SANTA CLARA VALLEY MEDICAL CENTER

CHILD & ADOLESCENT PSYCHIATRIC FACILITY / BEHAVIORAL HEALTH SERVICES CENTER PROJECT

Initial Study

March 2021

THE COUNTY OF SANTA CLARA
2310 North First Street, 2nd Floor, Suite 200
San Jose, CA 95131-1011

This page intentionally left blank.

INITIAL STUDY

Environmental Checklist and Evaluation for the County of Santa Clara

Project Name:	Child & Adolescent Psychiatric Facility/Behavioral Health Services Center (BHSC) Center and Related Activities	**Date:** March 5, 2021
Project Type:	Santa Clara Valley Medical Center - Medical Building & Parking Structure	**APN(s):** APN 282-04-008, APN 282-03-016
Project Location / Address:	751 South Bascom Avenue, San Jose on the Santa Clara Valley Medical Center campus	
Owner's Name:	Santa Clara County	

Project Summary

The County of Santa Clara owns and operates the Santa Clara Valley Medical Center (SCVMC) in San Jose, California. The County is proposing the construction and operation of a new mental health inpatient/outpatient building called the Child & Adolescent Psychiatric Facility/Behavioral Health Services Center (BHSC) within the SCVMC campus. The new BHSC will replace and consolidate existing mental health services on the SCVMC campus that are currently located in three separate buildings into one facility. The newly expanded services will serve the behavioral health needs for Santa Clara County and the surrounding communities.

The proposed project is comprised of a 77 bed BHSC, an underground pedestrian tunnel connection to an existing tunnel system that goes from the Receiving and Support Center (RSC) to the main hospital, a skybridge connection to the Main Hospital Emergency Department, and a new 714 car parking structure. New services provided will expand the current adult mental health service programs to include outpatient and inpatient services for child and adolescent populations and increase the bed count from 50 to 77 beds. The project will require utility improvements (water, sanitary sewer, storm drain) to existing utility pipelines in the surrounding streets. The goal for the project is to complete construction and achieve occupancy by October of 2023.

The project also includes the removal of an existing two-story, 431-space parking structure referred to as Parking Structure #3 (PS3). To replace this lost parking and add parking to serve the new BHSC, a new 714 car parking structure will be constructed on a site that is occupied by a vacant building that formerly housed the Sam Della Maggiore School which will be demolished to construct the new parking structure.

The project also includes the demolition of the Don Lowe Pavilion which is currently used for mental health services. This building will be demolished once the new BHSC is open for use. The site of the Don Lowe Pavilion would then be used for a surface parking lot for the foreseeable future.

The County's goal is to build a facility which: 1) is a state-of-the art forensic psychiatric facility that is specifically designed to provide care and a safe environment for high risk patients while providing a safe working environment for staff; 2) provides a secure, flexible, and fully functional environment to effectively and efficiently support its operations; 3) is cost effective and sustainable; 4) can be easily maintained; and 5) fits into the community and enables it to be a good neighbor.

The County's approval actions for the project will be to adopt the proposed Initial Study / Mitigated Negative Declaration and issue demolition / grading permits for the project components.

Environmental Setting and Surrounding Land Uses
The entire SCVMC campus is approximately 75 acres and is approximately 400 feet south of Interstate 280 and 700 feet east of CA Highway 17. The campus is surrounded by multifamily residences to the west, single-family residences to the north and south, and commercial/office uses to the east. Within the campus, the project site and surroundings are currently developed with a mix of healthcare, educational (Chandler Tripp School and McKinnon School), residential, and community service uses. There are no undeveloped lots within the project vicinity. The proposed BHSC site is located on the western portion SCVMC campus and therefore is surrounded by medical buildings to the east and south. The BHSC project site is also bordered by an employee parking structure (Parking Structure #2) to the north and a community swimming pool (Timpany Center) and physical therapy facility to the west. The proposed parking structure site is bordered by medical campus buildings to the east and south, a special education school (Chandler Tripp) to the west, and the Timpany Center to the north. The Don Lowe Pavilion site is bordered by medical campus buildings to the west, east, and north, and single-family residences to the south, across Enborg Lane.
Other agencies sent a copy of this document:
Bay Area Air Quality Management District City of San Jose Santa Clara Valley Water District California Office of Statewide Health Planning and Development

1. **Project Documentation**

The following Project Description is summarized from a report and design plans prepared by HGA + Cuningham Group and dated October 30, 2020. The report, titled *SCVMC - Behavioral Health Services Center Design Development Basis of Design*, provides a comprehensive description of the design and construction of all project features. The Design Plans present detail site design plans for the BHSC. The HGA + Cuningham Group also prepared plans for the design and construction of the proposed parking structure. Selected design plans are presented in Appendix A of this Initial Study.

2. **Project Location**

The BHSC project site is located on the SCVMC campus in San Jose, on a County-owned parcel (APN 282-04-008) bounded by Ginger Lane, Middle Drive, and Turner Drive, which are County-owned roads. As shown in Figure 1, Site and Vicinity Map and Figure 2, Project Location Map, the project site is located within the SCVMC campus, which supports a hospital and related specialty centers, pharmacy, imaging and lab services, and associated parking. The entire SCVMC campus is approximately 75 acres and is approximately 400 feet south of Interstate 280 and 700 feet east of CA Highway 17. All streets, sidewalks, and street trees on the SCVMC campus are owned and maintained by the County. The BHSC and new parking structure sites will occupy approximately 4.14 acres of the northern/western portion of the medical campus. A new surface parking lot will replace the existing Don Lowe Pavilion which currently occupies approximately 0.72 acres of the southern portion of the campus. The BHSC project site is bordered to the south by the Receiving and Support Center (RSC), main hospital and women and children's center to the east across Turner Drive, employee parking structure (PS2) to the north, and school and office uses to the west.

The proposed new parking structure will be constructed on County-owned land directly to the southwest of the BHSC at 2300 Clove Drive (APN 282-03-016), the location of the former Sam Della

Maggiore School. This site is bounded by Clove Drive on the south, Ginger Lane to the east, the Timpany Center to the north, and the Chandler Tripp School to the west.

The Don Lowe Pavilion which will be demolished upon completion of the new BHSC is bordered by Enborg Lane to the south, Enborg Court to the east, Bradley Avenue to the west, and SCVMC campus buildings to the north.

3. **Existing Site Conditions**

The proposed BHSC will be constructed on an approximately 2.39-acre site that is currently developed with a two-story visitor parking structure referred to as Parking Structure #3 (PS3) which contains 431 parking spaces and is approximately 134,348 square feet (sq. ft.) in size. See Figure 6 for photo of the existing PS3 structure. Vegetation on the site is limited to perimeter landscaping including sidewalk tree plantings and a few landscape trees within the site. The BHSC project site is across Turner Drive from the Main hospital and emergency room. Across Middle Drive from the project site is the Receiving and Support Center and another parking structure. An existing underground pedestrian tunnel connects the Receiving and Support Center to the main hospital building on Turner Drive. The BHSC project site and SCVMC campus is surrounded by other urban development and contains connections for utilities such as water, electricity, gas, sewer, and stormwater.

The proposed new parking structure would be constructed at 2300 Clove Drive, the location of the former Sam Della Maggiore School on a parcel that is approximately 1.75 acres in size. The school building, which will be demolished, is no longer used for educational purposes and currently provides non-clinical administrative functions for the SCVMC. The existing two-story building is rectangular in shape with a central open-air courtyard and is approximately 48,574 sq. ft. in size. A small surface parking lot is located on the east side of the school building and fire access is provided on the western and northern perimeters of the site. Existing landscaping includes turf areas and various trees located primarily on the west, south, and east sides of the building.

Prior to construction of the BHSC and the new parking structure, the West Campus Landscape project is proposing improvements to Ginger Lane and Clove Drive. The existing drainage pattern generally runs from the south edge to the north edge of the site. The West Campus Landscape project proposes to maintain the existing drainage pattern around the new Behavioral Health Services Center parking structure on Clove Drive and Ginger Lane.

The Don Lowe Pavilion is located at the southern edge of the SCVMC campus and is surrounded by campus streets and buildings on the north, west, and east. Enborg Lane runs south of the building and on the other side of Enborg is a residential neighborhood in the City of San Jose that fronts on to Fruitdale Avenue. See Figure 7 for photo of existing Don Lowe Pavilion.

4. **Project Description**

Figure 3, Overall Project Site Plan, shows the three distinct project sites (BHSC, parking structure, and Don Lowe Pavilion). The BHSC and parking structure project area amounts to approximately 4.14 acres and the Don Lowe Pavilion covers an approximately 0.72-acre footprint. Appendix A contains site plan graphics showing various aspects of each project feature. Refer to Sheets A022 and A1.2 in Appendix A for focused site plans of the BHSC and parking structure sites.

Demolition of Parking Structure #3 (PS3): The project involves the demolition of the existing PS3 prior to the construction of the new BHSC building on the same site. PS3 is a two-story building that currently contains 431 parking spaces and is approximately 134,348 square feet (sq. ft.) in size. The demolition process involves the following activities: (1) installation of fencing and debris netting, (2)

sidewalk closures on Middle Drive and Ginger Lane, (3) de-tensioning of post-tension (PT) cables within existing concrete decks, (4) crushing and excavation of concrete building material, (5) separation of metals and cables from concrete and removal of building materials off site to be recycled. Dust would be controlled through water and other construction management practices outlined in Table 2.

BHSC Building: The program for the BHSC includes emergency psychiatric services, child / adolescent and adult inpatient units, outpatient urgent care, a pharmacy, and an administrative suite. The program would expand existing mental health services by providing outpatient and inpatient services for child and adolescent populations. The BHSC building will be 3-stories with the total programmed area on Floors 1 through 3 is 157,272 gross sq. ft., and the total Gross Building Area including the Basement is 189,772 gross sq. ft. The proposed height of the BHSC building is 62 feet. Refer to Appendix A, Sheets A400-2 and A401-2, for BHSC building elevations. The new BHSC will provide up to a maximum of 77 beds; the existing mental health programs currently support 50 beds spanning three different buildings on the campus. Thus, the project would result in a net increase of 27 beds dedicated to mental health patients.

The three-story building is designed to relate to a residential scale for behavioral health and be consistent with the height and size of the surrounding buildings on the campus. The design aims to create a warm and inviting facility through its choice of colors and materials while providing a sustainable facility design. Refer to Figure 4, Exterior Renderings, for the overall BHSC exterior design.

Level 1 of the BHSC includes emergency psychiatric services, outpatient urgent care, pharmacy, and an administrative suite. Level 2 of the BHSC includes two 18-bed adult inpatient units, including clinical support space, and administrative space. Each unit includes access to an outdoor recreation area as well as indoor therapeutic spaces including group rooms, day rooms, and a dining room. Level 3 of the BHSC includes one, 18-bed adolescent unit, and a 12-bed children's unit including six medical beds, clinical support space, and administrative space. Each unit includes access to an outdoor rooftop recreation area as well as indoor therapeutic spaces including group rooms, day rooms, and a dining room. The BHSC roof will also be equipped with a half basketball court for various inpatient use.

The basement includes building support, staging, and storage functions. Those spaces include the facility's main electrical and mechanical rooms. Additionally, the basement is designed as a support / services link to provide connectivity to the RSC building which also serves the main hospital and wider campus via an underground tunnel system.

BHSC Traffic Circulation: Primary access for visitors and patients to the BHSC will be from South Bascom Avenue via Renova Drive and Turner Drive as well as from Moorpark Avenue via Ginger Lane. Public drop off for the BHSC is proposed at the south side of the building, on Middle Drive. Emergency drop off will occur within a secure sally port designed for ambulances, police cars, and other emergency vehicles for the safe transfer of patients into the emergency psychiatric services department. Pharmacy deliveries would also occur through this entrance. Emergency vehicles will access the secure sally port from Ginger Lane. Fire access routes for emergency response vehicles will be available with adequate clearance surrounding the BHSC off Ginger Lane, Middle Drive, and Turner Drive. See Appendix A, Sheet C330, for Road Striping Plan.

Patients and visitors may park in PS2 or the new parking structure and access the Middle Drive entrance.

Pedestrian Tunnel: The BHSC will be connected to the campus via an underground pedestrian service tunnel to the RSC that will be used as the delivery and pick-up route for all support services such as dietary, EVS, supplies, and staff. The pedestrian tunnel will run under Middle Drive. The tunnel would become a part of an existing tunnel system that connects the RSC to the main hospital. See Appendix A, Sandis Tunnel Section Sheet, for reference.

Sky Bridge: The BHSC will also connect via a sky-bridge to the Main Hospital Emergency Department both for patients to be transferred from the Emergency Department to the BHSC and for inpatients to utilize diagnostic services within the main hospital. The skybridge will include a new elevator and stair tower located in the ambulance drop-off area of the new Emergency Department Expansion. This will provide easy access to transport patients from the Emergency Department to the bridge at Level 3. This vertical circulation tower element will be constructed as a part of the current Emergency Department expansion project, and the BHSC bridge will connect to it. The bridge connects to the BHSC in the southern sally port of the East Wing - Children's Patient Unit, from which point the patient can be taken to the northern service elevators.

The bridge structure is a full height, single-story, tube steel truss. To give the bridge a light and unimposing appearance, it will be clad in a combination of glass types – spandrel glass to obscure the bridge floor and roof structure, and translucent vision glass to provide light through the bridge without compromising the patient privacy. The interior pane of glass on the bridge will be laminated for safety. The underside soffit of the bridge will be clad in an aluminum panel rain-screen. The bridge columns will be comprised of concrete-filled steel tube sections and will be treated as architectural exposed structural steel (AESS), with industrial grade aliphatic urethane paint finish to prevent rust. See Appendix A, Sheet A412-2 Building Sections, for reference.

New Parking Structure: The project includes a new above-grade, four-story, parking structure which will be located at the northwest corner of Clove Drive and Ginger Lane, at the former Sam Della Maggiore School site. See Figure 5 Exterior Elevations of the parking structure and Figure 7 for photo of the existing Sam Della Maggiore building that will be demolished. The parking structure will have four above ground levels and basement level; the structure will be 62 feet tall. The total square footage of the new structure is 268,200, with a stall efficiency of 376 sq. ft. per stall. The new parking structure will accommodate 714 parking spaces. Of these spaces, 14 will be dedicated ADA spaces (located on the ground floor) and 43 will have electrical vehicle charging capabilities. The SCVMC - Behavioral Health Services Center, Design Development, Basis of Design Report (October 2020) provides a parking demand analysis to determine the number of parking spaces needed to meet Santa Clara County requirements relating to healthcare buildings and the replacement of PS3 parking capacity. The primary user group for this structure will be employees. The parking structure will provide a security office of approximately 400 sq. ft. and a 400 sq. ft. storage area. No restroom or breakroom facilities are planned in this office. The parking structure façade will be designed to replicate the appearance of the existing parking structures on the SCVMC Campus. Solar panels would be placed on the parking structure roof.

The parking structure has been designed to maximize the site area while maintaining fire access setbacks and access requirements from the Timpany Center to the north and Clove Drive to the south. The building would have 25-foot setback distances from Enborg Lane to the south and Ginger Lane to the east, 10-foot setback distance to the Chandler Tripp School building to the west, and a 20-foot setback distance to the Timpany Center to the north. The Santa Clara County setback requirements are met to Ginger lane to the east of the site. Setbacks to the west property line will allow the parking structure to considered 'open'.

Vehicle entry points are off Clove Drive and Ginger lane. The Clove Drive entrance is aligned with the speed ramp and seen as the primary entrance allowing for efficient entry flows and movement to upper levels of the parking structure. The speed ramp design allows for vehicles to more quickly proceed to upper floors without passing all lower parking areas as with a park on ramp layout seen at other campus parking. The speed ramp arrangement will also allow future segregation of user groups if required. The parking structure will have a level count parking guidance system with dynamic signs at each entry point that will indicate available stalls at each level.

Pedestrian circulation is via stair and elevators at the north east corner of the building which is most adjacent to the BHSC. An additional egress stair is located at the south east corner of the building. Fire access routes for emergency fire response vehicles would be available with adequate clearance surrounding the parking structure directly off Ginger Lane and Clove Drive.

The parking structure is not considered an Office of Statewide Health Planning and Development (OSHPD) building and will receive permit approval through Santa Clara County.

Demolition of Don Lowe Pavilion: The project also includes the demolition of the Don Lowe Pavilion. The Pavilion is currently used for mental health patient services and will be demolished once the new BHSC is open for use and the services located in the Don Lowe Pavilion are transferred to the new BHSC. The Don Lowe Pavilion is bordered by Enborg Lane to the south, Enborg Court to the east, Bradley Avenue to the west, and SCVMC campus buildings to the north. The two-story, 31,554 sq. ft. building was constructed in 1983. The site of the Don Lowe Pavilion would then be used for a surface parking lot for the foreseeable future. The design of the lot would be initiated while the BHSC is under construction. The parking lot (parking space configuration, number of ADA spaces, location of ingress/egress driveways, etc.) will be designed per County code requirements. The building demolition is anticipated to proceed without the need to remove street trees. Perimeter landscaping would be provided consistent with the Campus Master Plan, and street trees per County requirements.

Project Operations: The BHSC building will include outpatient and inpatient services for adult, child and adolescent populations and include emergency psychiatric services, mental health urgent care on appointment and walk-in basis, pharmacy, and administrative functions. The new BHSC facility will be supported by an approximate 400-person staff that will work in three rotating 82-90 person shifts. Current mental health services are supported by approximately 300 staff members. The entire BHSC facility will operate on a 24 hour/7 day per week basis except for 20% of administrative offices which will be open 9 am to 5 pm, Monday through Friday.

Sustainability: The BHSC project is targeting Gold certification under the Leadership in Energy and Environmental Design (LEED) for Healthcare v4 rating system. Additionally, the project will meet Title 24 and California State Green Building Code (CALGreen) Mandatory Measures. A preliminary LEED Scorecard has been developed based on the design information currently available. The Scorecard is divided into six impact categories – Location and Transportation (LT) Sustainable Sites (SS), Water Efficiency (WE), Energy & Atmosphere (EA), Materials & Resources (MR), and Indoor Environmental Quality (EQ). The LEED Scorecard also includes a category for innovative strategies (Innovation & Design (ID)) and regional strategies, (Regional Priority (RP)) for a total of eight categories.

Parking structures are not eligible for LEED certification however the garage will assist in gaining additional LEED points for the overall BHSC by including:

- LTc7 reduced parking
- LTc8 green vehicle

- SSc5 heat island reduction option 2
- Solar panels on parking structure roof

Stormwater Runoff/Drainage

BHSC Existing and Proposed Drainage: The BHSC site includes storm drains collecting runoff from the west, north, and east edges of the existing PS3 parking structure and discharging into a manhole in Turner Drive which then conveys water north via a 24-inch diameter reinforced concrete pipe (RCP) main. The BHSC site, which is currently developed with a parking structure, is comprised of 2.26 acres of impervious surface area and 0.13 acres of pervious surface area. There are existing 21-inch diameter RCP storm drain mains running north/south under Ginger Lane and running east/west along the north edge of the site. Additionally, an 18-inch storm drain of unknown material runs east/west under Middle Avenue.

Improvements for the BHSC site are anticipated to include removing the existing 6-inch, 8-inch, and 12-inch storm drain lines and connecting area drains which conflict with the proposed BHSC footprint. The existing 21-inch RCP main and four manholes along the northern edge of the site that conflict with the proposed building footprint are to be removed or relocated. New connections to bioretention overflow areas and drains to the existing storm drain mains in Turner Drive, Middle Avenue, and/or Ginger Lane are also proposed. See Appendix A, Sheet C600 (BHSC) Stormwater Management Plan, for reference.

Parking Structure Existing and Proposed Drainage: The proposed new parking structure site, which currently contains the former Sam Della Maggiore School, is comprised of 1.48 acres of impervious surface area and 0.50 acres of pervious surface area. The existing site includes area drains collecting runoff from all sides of the existing building and discharging into a manhole in Clove Drive which conveys water east via a 12-inch main. Stormwater then flows north via an 18-inch RCP under Ginger Lane. Currently there are no stormwater treatment measures on site.

Improvements for the parking structure site are anticipated to include removing existing 4-inch, 8-inch, and 12-inch storm drain lines and connecting drains that conflict with the proposed parking structure building footprint. Roof drains and area drains are also proposed to collect on-site stormwater runoff which will flow through new bioretention areas for treatment before being discharged into existing storm drain mains in Clove Drive and Ginger Lane. See Appendix A, Sheet 600 - Parking Structure Stormwater Management Plan, for reference.

Don Lowe Pavilion Existing and Proposed Drainage: The new surface parking lot that will be constructed on the Don Lowe Pavilion site will be surfaced with asphalt pavement and the amount of impervious surface may increase over existing conditions. The parking lot will be approximately 32,000 sq. ft. in size. The County will design the parking lot to include adequately sized stormwater retention features to meet County stormwater management requirements. The parking lot will also be designed consistent with County setback requirements and landscaped areas will be provided around the perimeter of the parking lot.

Increase in Impervious Surface: BHSC site improvements, which include the construction of four bioretention areas, would result in a decrease in impervious surface area by 8,720 sq. ft. Parking structure site improvements, which include the construction of two bioretention areas, would result in an increase in impervious surface area by 8,919 sq. ft. The net increase in impervious surfaces for the BHSC and the parking structure sites is 219 sq. ft. The new surface parking lot on the Don Lowe

Pavilion site will have a similar impervious surface area as the existing building. The County will design the parking lot stormwater runoff control features to meet stormwater runoff requirements.

Domestic and Fire Water

Existing Water Supply: The SCVMC campus water system is primarily feed from an on-site well. The well water is pumped to a storage tank at the corner of Turner Drive and Clove Drive and is then distributed to the campus through two parallel set of pumps (one for domestic water and one for fire water). Per As-Built drawings dated 2/15/1990 the existing tank has a 100,000-gallon capacity with high level and low-level sensors to allow well water to refill the tank as needed, at a rate of 1,000 gallons per minute. The campus domestic and fire water networks are also connected to San Jose Water Company distribution network in several places along Moorpark Avenue and South Bascom Avenue. These interconnects are pressure regulated and only draw water into the campus system in the case of emergencies and peak flows.

Proposed Domestic and Fire Water: For the BHSC site, the existing abandoned 8-inch combined domestic and fire water lines along the north and east edges of the site conflict with the proposed building footprint and will therefore be removed. The existing fire water connection in the southeast corner of the site and associated fire water structures will also be removed due to conflict with the proposed building footprint. Flow data for the combined domestic and fire water line in Middle Avenue and the fire water main in Turner Drive will be confirmed via fire flow tests for the fire water connections to the proposed building. Proposed connections for domestic water, interior irrigation water, and fire water are anticipated to connect to the water mains in Turner Drive, on the north east side of the site. A fire pump is anticipated to be required therefore an additional dry standpipe to a Fire Department Connection at Turner Drive will be required.

Water usage for the new BHSC building is estimated at 3,850 gallons per day. The existing water networks are understood by the engineering team to have sufficient capacity to meet the fire and domestic water requirements of the proposed BHSC building.

The parking structure site will be connected to water mains on Ginger Lane, northeast of the site. The existing 4-inch water connection on site will be removed. A 30-foot easement for water pipelines and incidentals would be in place to the Santa Clara Valley Flood Control and Water Conservation District for water pipeline and incidental maintenance.

Sanitary Sewer

Existing Sanitary Sewer: The BHSC site is currently connected to an 8-inch vitrified clay pipe (VCP) sanitary sewer main in Ginger Lane that flows north and then west along the north edge of the site. There is also a 10-inch VCP sanitary sewer main which flows north along Turner Drive.

The parking structure site is currently connected to an 8-inch VCP sanitary sewer main in Ginger Lane as well as an 8-inch sewer line north of the site which connects to a manhole in the intersection of Ginger Lane and Middle Drive.

Proposed Sanitary Sewer: It is estimated that 3,850 gallons a day of sewage would be generated by the project. BHSC site improvements will include new sewer lateral connections to the existing sanitary sewer main in Turner Drive. The existing sanitary sewer main along the north edge of the site conflicts with the building footprint and will be relocated.

Parking structure site improvements include the installation of several new lateral connections to the existing sanitary sewer main in Ginger Lane.

Sanitary sewer load calculations for both sites will be performed to confirm that the existing mains have sufficient capacity.

Electricity

Electrical connection will be required from the existing campus infrastructure to the new BHSC building. The primary electrical service will be derived from underground feeders brought to the BHSC site from a central plant. For the parking structure, underground conduits will be extended to the site from a new above-ground transformer. The project has been designed to operate with energy efficiencies. The following design features have been implemented to provide building systems that are energy efficient: high performance building envelope, daylighting controls, solar shading, active chilled beams. The proposed parking structure will be equipped with photovoltaic solar panels covering 20,150 sq. ft. with an estimated output of 300 kilo-volt-amperes (KVA).

The parking structure will house a main ground level electrical room and emergency backup generator which will sit externally to the southwest of the building. HVAC equipment would be installed to ensure the elevator equipment and the electrical room are kept at appropriate temperatures. The parking structure is naturally ventilated and does not require fans.

Landscaping & Irrigation

Much of the existing landscaping and street trees around the BHSC and parking structures sites will be removed and replanted as part of the project. Project landscaping plans are shown in Appendix A, Sheets L0.01, L100, and L2.00. At the street level the perimeter streetscape and building approach are reinforced with green spaces, seating, paving patterns, and a potential art feature, that promote a welcoming environment upon approach to the building.

An arborist report prepared for the project is attached as Appendix B. The arborist report assesses 45 trees on the two project sites and adjacent Receiving and Support Center. Construction of the BHSC will result in the removal of 18 trees and the construction of the new parking structure will result in the removal of 21 trees. The project would include new landscaping features on both building sites. On the BHSC site, approximately 44 new trees and groundcover would be planted. New trees will be planted along Turner Drive, Middle Drive, and Ginger Lane. The BHSC landscaping plan would also include new gardens, artificial turf, lounge areas, and recreation yards on each level of the building. The parking structure site would be landscaped with 19 new trees along Ginger Lane, Clove Drive, and between the proposed structure and the Timpany Center immediately to the west.

The streetscape plant palette will consist of plants and trees recommended from the SCVMC site guidelines, along with the addition of native and/or drought tolerant plants and trees. Plant selection will be based on water use, mature height and spread, and maintenance requirements. Shrubs and/or vines will be used to provide screening of utilities and other items identified by the Design team. Stormwater areas will be planted with stormwater appropriate plants. Trees will be provided for shade. Plantings at ground level will achieve a 50% water reduction from LEED Baseline use.

The irrigation system is to comply with the state water efficient landscape ordinance and all the City of San Jose municipal water district procedures, and requirements, along with SCVMC cite guidelines. All new planting areas will be irrigated through a new drip irrigation system. The irrigation system on

site will provide the minimum amount of water required to sustain good plant health for all new planting areas, trees and turf.

5. **Project Construction**

Demolition

On the BHSC site, the project involves demolishing the existing 134,348 sq. ft. PS3 structure, uncovered parking areas, landscaping, and concrete sidewalks up to the back of curb along Ginger Lane, Middle Avenue, and Turner Drive. Along the north edge of the site, all concrete will be demolished up to PS3. Existing utilities within the building footprint and project site will be demolished and/or rerouted. Demolition for the BHSC site will be sequenced to minimize potential public exposure to dust.

The existing Sam Della Maggiore School structures (48,574 sq. ft.) and associated landscaping will also be demolished for the construction of the new parking structure. The project proposes to demolish the existing school building as well as landscaping up to the back of walk and concrete sidewalks that are not currently ADA compliant along Ginger Lane and Clove Drive. Along the north edge of the site, all concrete, AC pavement, and landscaping will be demolished up to the Timpany Center Swimming Pool face of building. Along the west edge of the site, all surfaces will be demolished up to the west property line. Existing utilities within the building footprint and project site will be demolished and/or rerouted. Existing pavement will also be demolished where utilities are proposed to be demolished and/or re-routed in Ginger Lane and Clove Drive.

The Don Lowe Pavilion building will also be demolished after the BHSC is open for use (i.e., after October 2023). The demolition will include the removal of any landscaping vegetation in the immediate vicinity of the building, the capping or the removal of utilities serving the current building, and minor grading to level the site for paving. The site would thereafter be paved and used as a surface parking lot for the foreseeable future.

The demolition process for the three sites involves installing fencing/debris netting, removing potentially hazardous materials, identifying/disconnecting existing utilities, and de-tensioning existing post-tension foundational cables. Concrete debris will be crushed for recycle and reuse off-site.

Grading and Earthwork: The project's preliminary grading plans are illustrated in Appendix A, Sheet C400 (BHSC site) and Sheet C400 (parking structure site). Grading and excavation at the proposed parking garage site is anticipated to require approximately 6,200 cubic yards of cut and approximately 2,100 cubic yards of fill. At the BHSC site, grading and excavation is anticipated to require approximately 24,000 cubic yards of cut and approximately 4,400 cubic yards of fill. The subterranean tunnel, which will connect the new BHSC to the campus's existing Receiving and Support Center, will require grading approximately 3,200 cubic yards of cut and 250 cubic yards of fill to excavate the tunnel's profile which is estimated as 20-feet wide, 21-feet deep, and 150-feet long. It is anticipated that the tunnel would be constructed in two phases in order to minimize traffic interruption on Middle Drive. Tunnel construction would involve the use of a soldier pile and shoring system as well as above grade beams to resist soil pressure. The tunnel would also have an engineered waterproofing system using either shotcrete material or cast in place concrete. The lid of the tunnel would be formed and placed after waterproofing and backfill are completed. Grading at the Don Lowe Pavilion site is anticipated to have grading quantities that are balanced (i.e., no net cut or fill).

Construction Staging Areas: The County has identified potential construction staging areas for materials storage and lay down, for temporary soil stockpiling, and for a construction office. These

areas are shown in Figure 2 and include the southern portion of a vacant parcel bounded by Moorpark Avenue, Ginger Lane, and Turner Drive, a second staging location is identified as the Timpany Center Staging on Ginger Lane, and a third potential staging location is identified as T24 Parking Lot which is bounded by Ginger Lane and Clove Drive.

Construction Traffic: The adjacent streets of Ginger Lane and Clove Drive carry all types of traffic including patients, visitors, fire apparatus, bus, emergency, and service vehicles. During construction, both streets will remain open to two-way traffic but with a single lane in each direction. Lane widths will be 11 feet minimum, exclusive of gutter pan overlap. Total curb to curb distance will be 26 feet minimum where fire access is required. Corner curb radius will be 20 feet minimum. Other curb radii shall be 15 feet minimum.

Construction Schedule and Phasing: The proposed project would involve construction activities lasting approximately two-and-a-half years, with initial construction activities beginning at the proposed parking garage site (i.e., demolition of the former Sam Della Maggiore School structure) in June 2021. Overall, construction activities at the BHSC site is anticipated to last approximately two years and four-and-a-half months, while construction of the new parking structure (i.e., at former Sam Della Maggiore School site) is anticipated to last approximately 12 months.[1] Once the Behavioral Health Services Center is open and operational and the services in the Don Lowe Pavilion are relocated, the County would proceed with demolition of the Don Lowe Pavilion.

XL Construction, the project's construction contractor, has indicated that double-shift work would be required for some phases of construction at the Behavioral Health Center site in order for it to be operational by October 2023. Double-shift work would involve a 6:00 AM to 10:00 PM workday at the site, as opposed to a 7:00 AM to 7:00 PM workday. The following phases at the Behavioral Health Center site are anticipated to require double shifts in order to meet the project's objectives of having the Behavioral Health Center be operational by October 2023:

- Grading and Excavation (approximately August 2021 through November 2021).
- Exterior Wall / Interior Improvements (approximately August 2022 through April 2023); and
- Architectural Coating Work (approximately September 2023 through mid-October 2023).

It is anticipated that the construction crew would total between 15-350 workers depending on phase. The exterior wall / interior improvements phase at the Behavioral Health Center is anticipated to be the phase that generates the most workers (i.e., 350 worker per day) during double-shift work.

Table 1 below summarizes the anticipated construction schedule for the proposed project and its various elements.

[1] All 12 months of construction activities at the parking garage site would overlap with construction activities at the Behavioral Health Services Center.

Table 1: Construction Phasing

Phase / Sub Phase	Estimated Duration		Double Shift Work?
	Start Date	End Date	
Phase 1: Parking Structure Construction			
Demolition of former Sam Della Maggiore School, Excavation, and Grading	6/1/2021	10/1/2021	No
Foundation Construction	10/1/2021	2/1/2022	No
Vertical Structure Development	1/1/2022	7/15/2022	No
Architectural Mechanical, Electricity, and Plumbing and Elevators	6/1/2022	11/1/2022	No
Paving	9/1/2022	10/15/2022	No
Architectural Coating	9/15/2022	11/1/2022	No
Phase 2: Behavioral Health Services Center Construction			
Demolition of PS3, Excavation, and Grading	7/1/2021	11/1/2021	Yes(A)
Foundation Construction	11/1/2021	4/1/2022	No
Vertical Structure Development	4/1/2022	8/1/2022	No
Exterior Wall / Interior Improvements	8/1/2022	4/1/2023	Yes
Paving	7/1/2023	10/1/2023	No
Architectural Coating	9/1/2023	10/15/2023	Yes
Phase 3: Tunnel Construction (at the Behavioral Health Services Center Site)			
Excavation	6/15/2022	1/9/2023	No
Paving	1/10/2023	2/1/2023	No
Phase 4: Don Lowe Pavilion Demolition / Repaving			
Demolition	11/1/2023	11/11/2023	No
Site Preparation	11/15/2023	11/15/2023	No
Grading	11/16/2023	11/17/2023	No
Paving	11/18/2023	11/23/2023	No
Architectural Coating	11/25/2023	11/30/2023	No

(A) Only the grading and excavation portions of this phase would involve a double-shift construction schedule; demolition of PS3 would not involve double-shift work.

6. Standard Design and Construction Measures

The County will design and construct the project consistent with all relevant federal, state, regional, and local regulations aimed at preventing or reducing environmental impacts, including those by the County of Santa Clara and the SCVMC. Project permitting review shall be performed by the County of Santa Clara, Office of Statewide Health Planning and Development (OSHPD), and others. Design shall

follow all standards and definitions as set forth by the applicable jurisdictions and the following California Building Codes:

- California Building Standards Administrative Code (Title 24, Part I), 2019
- California Building Code (Title 24, Part 2), 2019
- California Green Building Standards Code (Title 24, Part 11), 2019
- California Plumbing Code (Title 24, Part 5), 2019
- California Fire Code (Title 24, Part 9), 2019
- California Energy Code (Title 24) 2005
- California Reference Standards Code (Title 24, Part 12), 2004
    - APWA: American Public Works Association
    - AWWA: American Water Works Association
    - ADA: Americans with Disability Act
    - NPDES: National Pollution Discharge Elimination Systems
    - ANSI: American National Standards Institute
    - National Fire Protection Association
    - OSHA: Occupational Safety and Health Administration, U.S. Department of Labor
    - SSPWC Standard Specifications for Public Works Construction
    - SPPWC Standard Plans for Public Works Construction
    - Caltrans Standard Plans and Specification, Traffic Manual

Table 2 Santa Clara County Standard Design and Construction Measures lists standard measures that would be incorporated into design and construction of the BHSC.

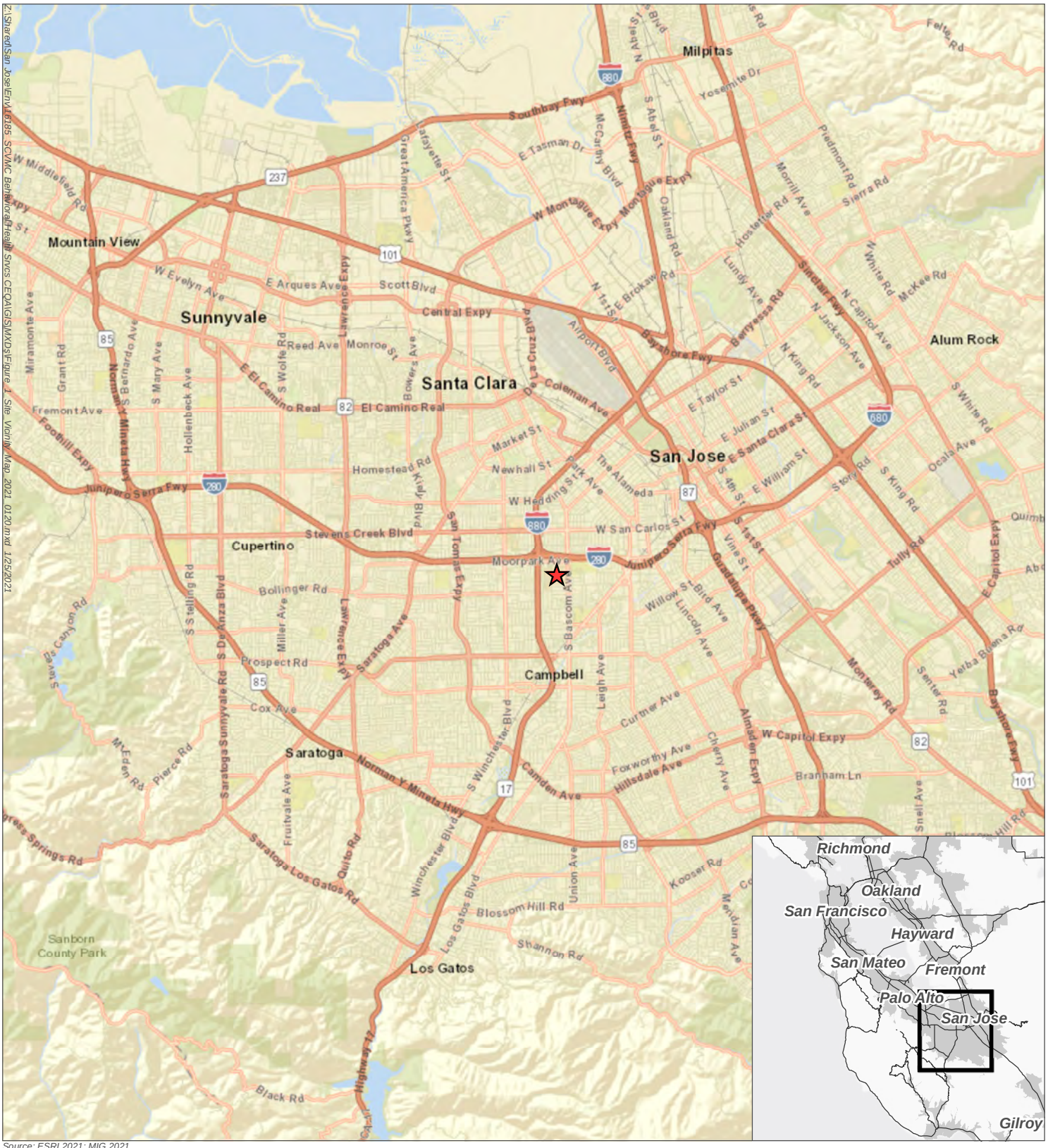
Table 2: Santa Clara County Standard Design and Construction Measures

Resource Area	**Standard Design and Construction Measure**
Air Quality/Dust Control	To reduce potential fugitive dust that may be generated by project construction activities, the County shall implement the following BAAQMD basic construction measures when they are appropriate: • Water all exposed surfaces (e.g., staging areas, soil piles, graded areas, and unpaved access roads) during construction as necessary and adequately wet demolition surfaces to limit visible dust emissions. • Cover all haul trucks transporting soil, sand, or other loose materials off the project site. • Use a wet power vacuum street sweeper as necessary to remove all visible mud or dirt track-out onto adjacent public roads (dry power sweeping is prohibited) during construction of the proposed project.

Resource Area	Standard Design and Construction Measure
	• Vehicle speeds on unpaved roads/areas shall not exceed 15 miles per hour. • Complete all areas to be paved as soon as possible and lay building pads as soon as possible after grading unless seeding or soil binders are used. • Minimize idling time of diesel-powered construction equipment to five minutes and post signs reminding workers of this idling restriction at access points and equipment staging areas during construction of the proposed project. • Maintain and properly tune all construction equipment in accordance with manufacturer's specifications and have a CARB-certified visible emissions evaluator check equipment prior to use at the site. • Post a publicly visible sign with the name and telephone number of the construction contractor and County-staff person to contact regarding dust complaints. This person shall respond and take corrective action within 48 hours. The publicly visible sign shall also include the contact phone number for the Bay Area Air Quality Management District to ensure compliance with applicable regulations. Additionally, a County requirement shall require the Contractor to hire a street cleaning contractor to clean up dirt and debris from City Streets that are attributable to the development's construction activities.
Construction Stormwater and Drainage Control	The project construction activity disturbs more than one acre and requires conformance with the Construction General Permit and implementation of the project Storm Water Pollution Prevention Plan (SWPPP). The County and/or its contractor shall prepare and implement a construction stormwater and drainage control plan in compliance with the Countywide Water Pollution Prevention Program, Provision C.3 of the County's Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit. The plan shall specify best management practices for the control and prevention of stormwater pollution during construction. Construction-phase measures shall include: Erosion control measures such as installing fiber rolls, silt fences, gravel bags, or other erosion control devices around and/or downslope of work areas and around storm drains prior to earthwork and before the onset of any anticipated storm events;

Resource Area	Standard Design and Construction Measure
	monitoring and maintaining all erosion and sediment control devices. Designating a location away from storm drains when refueling or maintaining equipment. Construction equipment, tools, etc., shall not be cleaned or rinsed into a street, gutter, or storm drain. A contained and covered area on-site shall be used for storage of cement bags, paints, flammable materials, oils, fertilizers, pesticides, and any other materials that have potential for being discharged to the storm drain system by wind or in the event of a material spill. All construction debris shall be gathered on a regular basis and placed in a dumpster which is emptied or removed weekly. When feasible, tarps shall be used on the ground to collect fallen debris or splatters that could contribute to stormwater pollution. Any temporary on-site construction piles shall be securely covered with a tarp or other device to contain debris. Concrete trucks and concrete finishing operations shall not discharge wash water into the street gutters or drains.
Traffic	**Traffic Control Plan**. The County and/or it's contractor(s) shall prepare a Traffic Control Plan for construction activities. The Traffic Control Plan shall, at a minimum include the following requirements: The plan should consider the daily volume of on-haul, timing of trucks to limit/minimize hauling activities during peak traffic hours and address potential conflicts with other campus traffic. The plan should coordinate construction haul traffic with any other construction project on the SCVMC campus that would impact the same roadways. The plan shall also identify designated haul routes that directs truck traffic away surrounding residential streets. Whenever the Contractor's operations affect normal conditions for traffic or for the public, the Contractor shall furnish, erect, and maintain, all fences, barricades, lights, signs, and other devices necessary to prevent accidents or damage or injury to the public. Construction area signs shall be furnished, installed, maintained and removed, when no longer required, in accordance with the

Resource Area	Standard Design and Construction Measure
	provisions of Section 12-3.01 through 12-3.12 of the State Specifications. The Contractor shall also furnish flaggers and guards necessary to give adequate warning to traffic and to the public of construction conditions. Flaggers and guards assigned to direct traffic or to warn the public of construction conditions shall perform their duties, and shall be provided with necessary equipment, in accordance with the current edition of the Caltrans publication "Instructions to Flaggers." The equipment shall be furnished and kept clean and in good repair by the Contractor at its expense. Signs, lights, flags and other warning and safety devices shall conform to the requirements set forth in the current Caltrans "Manual of Traffic Controls for Construction and Maintenance Work Zones." No material or equipment shall be stored where it will interfere with the free and safe passage of public traffic, and at the end of each day's work and at other times when construction operations are suspended for any reason, the Contractor shall remove all equipment and other obstructions from that portion of the roadway open for use by public traffic. The contractor shall provide all lights, signs, barricades, flagmen, or other devices necessary to provide for public safety during the construction period. Storage of construction material and equipment on city streets will not be permitted.
Waste Management	The project will include a waste management plan to divert construction debris and wastes from landfills including land clearing debris, dimensional wood, plywood, concrete, concrete masonry units, asphalt, cardboard, paper, metals, drywall, paint, rigid foam, glass, plastics, carpet, insulation, etc. The waste management plan shall recommend on-site separation facilities, prevent contamination and provide transportation to recycling destination



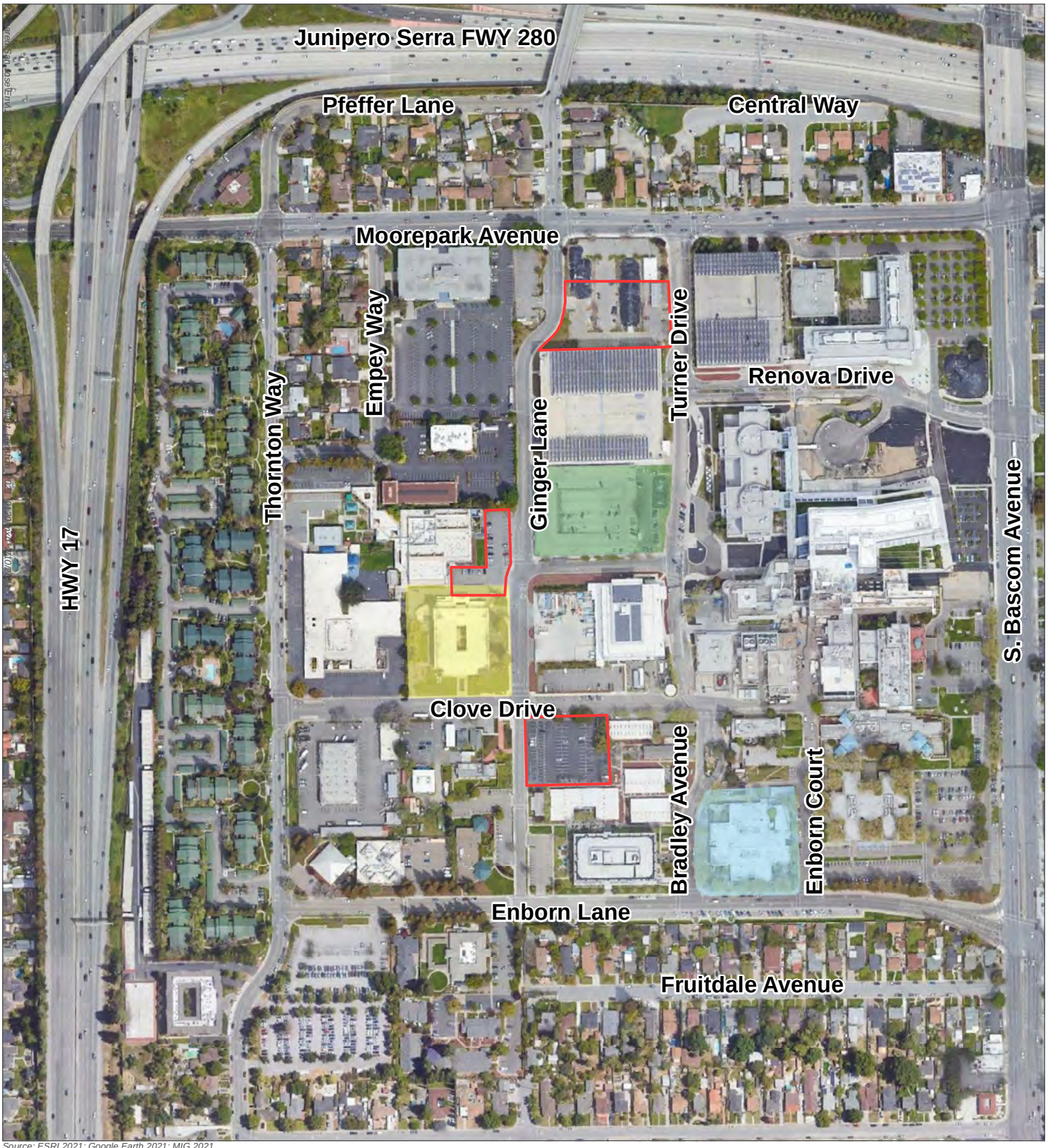
Source: ESRI 2021; MIG 2021

0 1.25 2.5 5 Miles

★ Project Location

Figure 1 Site and Vicinity Map

Santa Clara Valley Medical Center BHSC IS/MND



Source: ESRI 2021; Google Earth 2021; MIG 2021

Buildings to be Removed

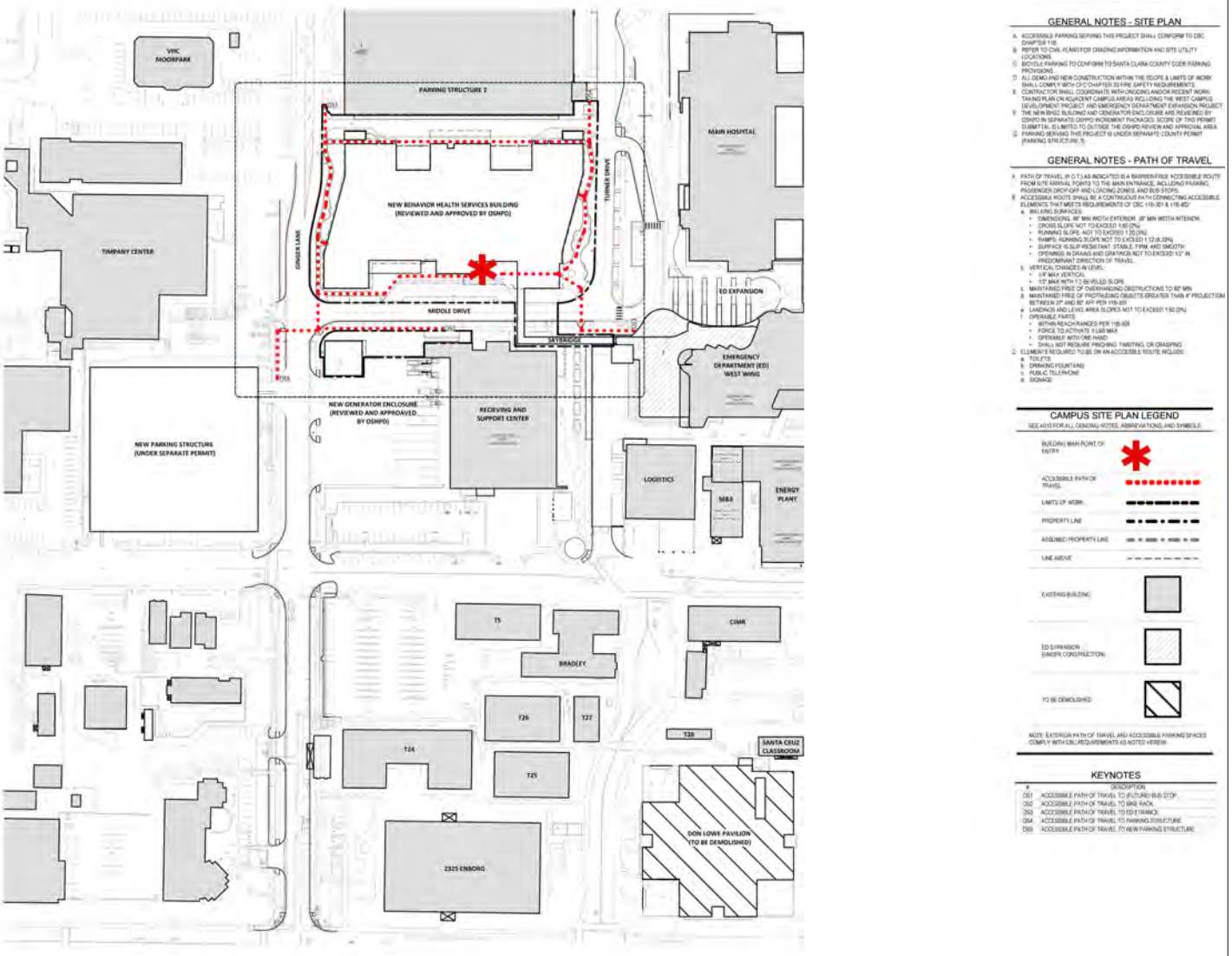
- Parking Structure PS3
- Don Lowe Pavilion
- Della Maggiore School

Construction Staging Areas

0 175 350 700 Feet

Figure 2 Project Site

Santa Clara Valley Medical Center BHSC IS/MND



Source: HGA, 01/21/2021

Figure 3 Facility Overall Project Site Plan

Santa Clara Valley Medical Center BHSC IS/MND

GENERAL NOTES - EXTERIOR ELEVATIONS

A. SEE SHEET A011 FOR <MAT-ID> LIST.

GINGER AND MIDDLE

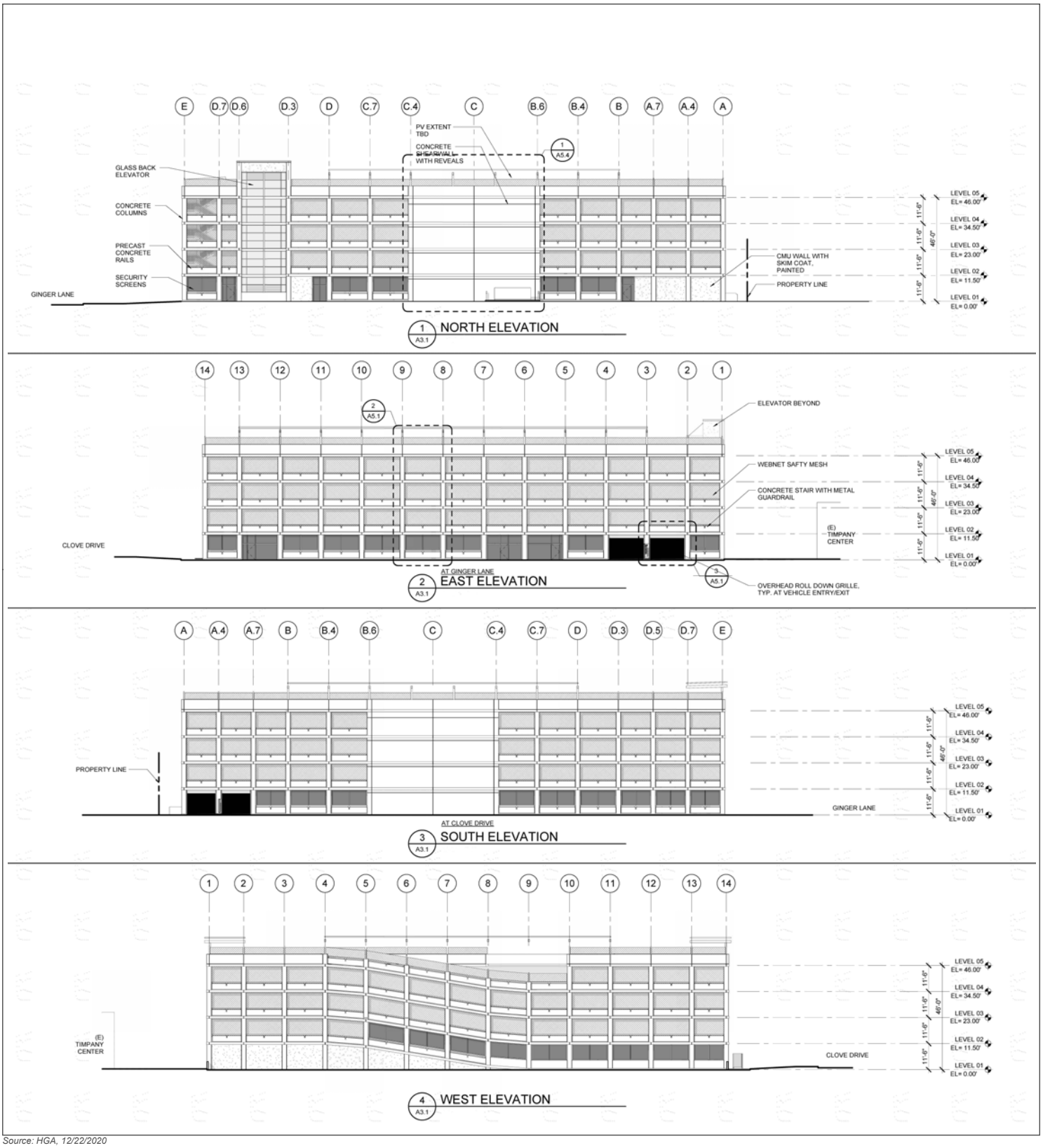
TURNER AND MIDDLE

AERIAL VIEW

Source: HGA, 10/29/2020

Figure 4 Exterior Renderings

Santa Clara Valley Medical Center BHSC IS/MND



Source: HGA, 12/22/2020

Figure 5 Exterior Elevation- Parking Structure

Source: HGA, 12/07/2020

Figure 6 BHSC Site Photo- Ginger Lane and Middle Drive

Source: HGA, 12/07/2020

Figure 7 Sam Della Maggiore School and Don Lowe Pavilion Site Photos

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED
The proposed project could potentially result in one or more environmental effects in the following areas:

☐ **Aesthetics**	☐ **Agriculture / Forest Resources**	☐ **Air Quality**
☒ **Biological Resource**	☒ **Cultural Resources**	☐ **Energy**
☒ **Geology/Soils**	☐ **Greenhouse Gas Emissions**	☒ **Hazards & Hazardous Materials**
☐ **Hydrology / Water Quality**	☐ **Land Use / Planning**	☐ **Mineral Resources**
☒ **Noise**	☐ **Population / Housing**	☐ **Public Services**
☐ **Recreation**	☐ **Transportation**	☒ **Tribal Cultural Resources**
☐ **Utilities / Service Systems**	☐ **Wildfire**	☐ **Mandatory Findings of Significance**

DETERMINATION (to be completed by the Lead Agency)
On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

☐ I find that the proposed project MAY have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on the attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.

Emily Chen — **Signature**

3/5/2021 — **Date**

Emily Chen — **Printed name**

For

ENVIRONMENTAL CHECKLIST AND DISCUSSION OF IMPACTS

A. AESTHETICS							
	IMPACT						
Except as provided in Public Resources Code section 21099, would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	**Source**
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒	☐	☐	3, 4, 6,17f
b) Substantially damage scenic resources, including, but not limited to, trees, rocks, outcroppings, and historic buildings, along a designated scenic highway?	☐	☐	☐	☒	☐	☐	3, 6, 7, 17f
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐	☐	☐	3, 8a, 9, 20, 42
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐	☐	☐	3,4

SETTING:

As shown in Figure 1, the project area is located in an urban developed setting surrounded by other developed urban uses. The SCVMC campus is 75 acres and is approximately 400 feet south of Interstate 280 and 700 feet east of CA Highway 17. All building, streets, sidewalks, and street trees on the SCVMC campus are owned and maintained by the County. The project site is surrounded by the existing SCVMC main hospital and emergency department west wing, parking structures, receiving and support center, and Santa Clara County Department of Education facilities, San Jose State University Timpany Center, Kidango Preschool and Childcare facility, and Santa Clara County Emergency Medical Facility offices. There are no State designated Scenic Highways or scenic vistas in the project vicinity.

The main SCVMC campus is located on a large tract of land in the City of San Jose's Fruitdale District. Over the last 25 years, SCVMC has instituted a series of facility projects as part of a state mandated seismic safety program. During this period, the core of the campus has shifted to the north half of the site, which has seen rapid transformation, resulting in a loss of exterior spaces and landscape attributable to construction activity. In addition, the facilities on the south half of the site are quickly approaching obsolescence; the structures are undersized for retrofit and will likely be replaced in the near term of 25 years (O|CB 2014). Facing the current and anticipated additional impacts on the site and site infrastructure, the Medical Center's Administration commissioned a Landscape Master

Plan study to comprehensively address the opportunities and challenges posed by the reconstruction and expansion of its core facilities.

The Landscape Master Plan is a development framework intended to enhance the character and performance of the SCVMC campus over the next five decades. It presents the range of opportunities and constraints present at SCVMC and recommends a series of benefits to improve campus networks and enhance the aesthetic character of the camps (O|CB 2014).

The BHSC site is currently developed with a two-story parking structure that serves the SCVMC campus. The parking structure is supported by concrete pillars at ground level and is consistent with development on the SCVMC campus. The new parking structure would be constructed on the site currently developed with the former Sam Della Maggiore School building. The two-story building no longer operates as a school or for educational purposes and has a similar design/appearance to other buildings on the SCVMC campus. The building has a beige exterior with concrete pillars and second-level stone balcony facades.

The SCVMC campus site is developed and devoid of any natural vegetation, outcrops, and rocks. Both the BHSC and new parking structure sites are landscaped with County-maintained street trees that would be removed and replaced with new landscaping trees. The project landscaping and street tree replacement has been designed consistent with the SCVMC Landscape Master Plan which the County adopted to provide a framework intended to enhance the character and performance of the SCVMC campus over the next five decades.

DISCUSSION:

a-b) No Impact. Scenic vistas have not been identified within the project area and the SCVMC campus is not near a State designated Scenic Highway. The SCVMC is surrounded by urban development and the project would not have an adverse impact on a scenic vista or a designated scenic highway.

c-d) Less than Significant Impact. The project is within a highly developed area and within the urban reserve line surrounded by incorporated City of San Jose land in the City's Fruitdale District. Because the project site is developed with existing SCVMC campus structures, the proposed project's impact to the visual character of the site will be less than significant. While the project proposes to remove 39 landscaping street trees that currently exist on the project site, new replacement planting is proposed. On the BHSC site, 35 new streetscape trees would be planted along Turner Drive, Middle Drive, and Ginger Lane. The parking structure site would be landscaped with 17 new trees along Ginger Lane, Clove Drive, and between the proposed structure and the Timpany Center to the west. See Appendix A Landscape Plan Sheets L0.01, L100, and L2.00.

Tree removal will be required to be compliant with Division C16 of the County Ordinance Code which is intended, among other objectives, to preserve and protect aesthetic value for public and private property in the County. Division C16 requires the SCVMC to submit a tree removal permit application for removal of Any County owned or leased tree that measures 12 inches or more in diameter. Per a tree assessment conducted by Hort Science, of the 39 trees to be removed, 20 exceed the ordinance size and are subject to tree removal permitting (See Table 9 of this Initial Study). The Santa Clara Department of Planning and Development would be responsible for administering the project tree removal application and permit. Through this process, all healthy native trees 12 inches or more in diameter (at 4.5 feet above the ground) proposed for removal shall be replaced with native, like for

like, species. County review and permitting would ensure that tree removal and replanting would not substantially degrade the existing visual character of the project sites.

The project would be designed in accordance with the SCVMC Landscape Master Plan and would not substantially degrade the existing visual character of the site and its surroundings.

The project is an island of unincorporated County land surrounded by the City of San Jose. The County General Plan therefore defers to the City's general plan land use designation for the property. Under the San Jose General Plan, the SCVMC is mapped within South Bascom Commercial Corridor and Center Urban Village Plan. Within the Center Urban Village Plan, SCVMC is designated as Public/Quasi-Public land. Other Public/Quasi-Public land within the Urban Village Plan include San Jose City College, San Jose Water Company, and the Bascom Community Center. The Urban Village Plan notes that new development within the SCVMC is anticipated and envisioned to reflect higher intensity building envelopes and provides height limits for buildings up to 85 feet; this height limit is established in part to maintain visual continuity of the area. The project would not exceed the height limits established in the Urban Village Plan or San Jose General Plan.

In order to ensure that development permitted under County jurisdiction is generally in conformance with what would be permitted according to a city's general plan, the County applies zoning districts and development regulations compatible with the applicable city's general plan designation (Santa Clara County General Plan, Book B, page R-6). The City's Urban Village Plan general plan land use designation recognizes that new development within the SCVMC is envisioned to reflect higher intensity building envelopes and provides for height limits up to 85 feet. Therefore, the project would not conflict with applicable General Plan land use designations, zoning, and other regulations governing scenic quality.[2]

The project would replace the existing night lighting associated with the existing Parking Structure #3 on the BHSC site and the former Sam Della Maggiore School building on the new parking structure site. Exterior building lighting would be designed according to County Ordinance Code requirements, green building codes, and LEED certification requirements. Exterior lighting would be installed around both sites and mounted on the sides of buildings or on poles for security and 24-hour use. These exterior lights would be operated in a manner to avoid unnecessary light pollution, including measures such as shielding, connecting the lights to a lighting control system to control dimming levels and hours of operations, installing motion sensor lights, and spacing the lights in a manner that maintains the minimum required level of lighting. The proposed parking structure will be equipped with a lighting control system which, through motion sensors and tie-in to an astronomic clock, will allow for minimal lighting levels during unoccupied nighttime hours on the upper deck of the structure. Building mounted exterior lights would also be controlled by an astronomical time clock.

The new surface parking lot developed in place of the Don Lowe Pavilion would have security lighting designed in accordance with County lighting standards.

As described above in Project Description and in the Noise impact analysis, the project's construction contractor has indicated that double-shift work would be required for some phases of construction at the Behavioral Health Center site in order for it to be operational by October 2023. Double-shift work would involve a 6:00 AM to 10:00 PM workday at the site, as opposed to a 7:00 AM to 7:00 PM workday. The following phases at the Behavioral Health Center site are anticipated to require double

[2] The County's zoning designation for the SCVMC campus is still residential (R1-8) (Santa Clara Zoning Atlas, plates 82 and 98), and should be updated to reflect the City General Plan's Public/Quasi-Public land use designation for the property.

shifts in order to meet the project's objectives of having the Behavioral Health Center be operational by October 2023:

- Grading and Excavation (approximately August 2021 through November 2021);
- Exterior Wall / Interior Improvements (approximately August 2022 through April 2023); and
- Architectural Coating Work (approximately September 2023 through mid-October 2023).

The proposed double shift construction hours would require night lighting of the active construction zone and staging material lay down area(s). The night lighting requirement would vary depending on the hour and time of year, but most of the double-shift hours would require night lighting to some extent during spring and summer months and all of the double-shift hours would require night lighting during the fall and winter months. The lighting would consist of portable light units and fixed lights that would be at both ground level and elevated as the building structure was assembled.

As described in detail in Section M, Noise, there are nearby residential areas that would be sensitive to construction impacts and light and glare from night lighting. Figure 13 of Section M maps eight sensitive receptors in the project vicinity. The nearest receptor to the BHSC site would be patients at the SCVMC hospital, approximately 130 feet east of the construction site. For hospital patients facing the BHSC site, potential lighting and glare impacts from extended construction activities are not expected to be significant because they would spend the majority of time in the hospital facility that is equipped with exterior lighting controls such as blinds, curtains, and anti-glare windows. The next two nearest receptors would be students at Kidango Preschool and single-family residences, approximately 410 feet west of the BHSC site and 450 feet northwest of the BHSC site, respectively. The Kidango Preschool would not be impacted by night lighting because of the hours that the campus is occupied. The single-family residences are located over 400 feet from the BHSC site and are separated by the Timpany Center and Santa Clara County Emergency Medical Services Agency buildings that would shield construction lighting.

There are single-family residential receptors on Fruitdale Avenue (i.e., between Enborg Lane and Fruitdale Avenue) that are approximately 370 feet south of the proposed T24 lot construction staging area (Figure 13, R-5 and R-6). These homes back up to Enborg Lane and there is a solid wall between the backyard of these homes and Enborg Lane. Night lighting at the T24 lot construction staging area would be pole-mounted on mobile units but would not be elevated high above the ground level. Because of the intervening distance and the wall along Enborg, and the solid sound barrier that would be constructed around the staging area, night lighting at the T24 staging area would not have significant light and glare impacts on these residential receptors.

The single-family residential receptors on Moorpark Avenue identified in Figure 13 are approximately 280 feet northwest of the construction staging area immediately north of and adjacent to Parking Structure #2; and multi-family residential receptors (R-8 on Figure 13) on Moorpark Avenue are approximately 200 feet north of this construction staging area. Night lighting from this construction area would be visible to these receptors but would not cause significant light and glare impacts because of the elevation of the pole-mounted mobile units would not be high above the ground, the solid sound barrier constructed around the staging area would also shield light from the construction area, and the short-term nature of the construction lighting.

Therefore, these sensitive receptors would not be adversely affected by double-shift construction lighting. The project would have a less than significant light and glare impact.

MITIGATION:

None required.

B. AGRICULTURE / FOREST RESOURCES

In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

	IMPACT						
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	**Source**
a) Convert 10 or more acres of farmland classified as prime in the report *Soils of Santa Clara County (Class I, II)* to non-agricultural use?	☐	☐	☐	☒	☐	☐	3, 4, 22, 23
b) Conflict with existing zoning for agricultural use?	☐	☐	☐	☒	☐	☐	9, 22, 23
c) Conflict with an existing Williamson Act Contract or the County's Williamson Act Ordinance (Section C13 of County Ordinance Code)?	☐	☐	☐	☒	☐	☐	4, 25
d) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒	☐	☐	4, 9, 25
e) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒	☐	☐	3, 4, 8a, 22, 23
f) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒	☐	☐	4, 8a, 22, 23

SETTING:

The project site and vicinity are located within an established, developed urban area that does not allow agriculture or forest uses per the County's General Plan. The map of Important Farmland in California (2016) prepared by the Department of Conservation does not identify the project site as being Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. The site is classified as "Urban and Built-Up-Land" which is described as "occupied by structures with a building density of at least 1 unit to 1.5 acres, or approximately 6 structures to a 10-acre parcel." The subject properties are not under Williamson Act contract and do not contain designated forest land.

DISCUSSION:

a-f: No Impact. The SCVMC is located in an urban developed area, zoned as residential (R1-8), designated as a public facility land use, and does not involve farmland, forest land, or timberland. The property does not have a Williamson Act contract. Because the project site is classified as Urban and Built-Up-Land, the project would not result in the conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to a nonagricultural use. Development of the project would not change the existing environment in a manner that will result in the conversion of forest land to a non-forest land use or agricultural land to a non-agricultural use due to the existing mixed urban land uses.

The project would have no impact on agricultural uses or forestry land.

MITIGATION:

None required.

C. AIR QUALITY							
Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations.							
	IMPACT						
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	**Source**
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☐	☒	☐	☐	5, 7, 8, 26 – 38, 83
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐	☐	☐	5, 7, 8, 26 – 38, 83
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐	☐	☐	5, 7, 8, 26 – 38, 83
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐	☐	☐	5, 7, 8, 26 – 38, 83

SETTING:

Air quality is a function of pollutant emissions and topographic and meteorological influences. Physical atmospheric conditions such as air temperature, wind speed and topography influence air quality.

Criteria Air Pollutants

Federal, state, and local governments control air quality through the implementation of laws, ordinances, regulations, and standards. The federal and state governments have established ambient air quality standards for "criteria" pollutants considered harmful to the environment and public health. National Ambient Air Quality Standards (NAAQS) have been established for carbon monoxide (CO), lead (Pb), nitrogen dioxide (NO_2), ozone (O_3), fine particulate matter (particles 2.5 microns in diameter and smaller, or $PM_{2.5}$), inhalable coarse particulate matter (particles 10 microns in diameter and smaller, or PM_{10}), and sulfur dioxide (SO_2). California Ambient Air Quality Standards (CAAQS) are more stringent than the national standards for the pollutants listed above and include the following additional pollutants: hydrogen sulfide (H_2S), sulfates (SO_X), and vinyl chloride. In addition to these criteria pollutants, the federal and state governments have classified certain pollutants as hazardous air pollutants (HAPs) or toxic air contaminants (TACs), such as asbestos and diesel particulate matter (DPM).

San Francisco Bay Area Air Basin

The proposed project is located in the San Francisco Bay Area Air Basin (SFBAAB), an area of non-attainment for both the 1-hour and 8-hour state ozone standards, and the national 24-hour $PM_{2.5}$

standard. The SFBAAB is comprised of nine counties: all of Alameda, Contra Costa, Santa Clara, San Francisco, San Mateo, Marin, Napa, and the southern portions of Solano and Sonoma.

The San Francisco Bay Area is generally characterized by a Mediterranean climate with warm, dry summers and cool, damp winters. The Mediterranean climate is seen along most of the West Coast of North America and is primarily due to a (typically dominating) high-pressure system, located off the west coast of North America, over the Pacific Ocean. During the summer and fall months the high-pressure ridge is at its strongest and therefore provides a more stable atmosphere. During the summer daytime high temperatures near the coast are primarily in the mid-60s, whereas areas farther inland are typically in the high-80s to low-90s. Nighttime low temperatures on average are in the mid-40s along the coast and low to mid-30s inland. Wind patterns in Santa Clara County are influenced by local terrain, with a northwesterly sea breeze typically developing during the daytime. Winds are usually stronger in the spring and summer. Rainfall amounts are modest, ranging from 13 inches in the lowlands to 20 inches in the hills (BAAQMD, 2019).

Varying topography and limited atmospheric mixing throughout the SFBAAB restrict air movement resulting in reduced dispersion and higher concentrations of air pollutants. The SFBAAB is most susceptible to air pollution during the summer when cool marine air flowing through the Golden Gate can become trapped under a layer of warmer air (a phenomenon known as an inversion) and is prevented from escaping the valleys and bays created by the Coast Ranges. Most of Santa Clara County, the county in which the proposed project is located, is south of the cooler waters of the San Francisco Bay and far from the cooler marine air which usually reaches across San Mateo County in summer. Ozone frequently forms on hot summer days when the prevailing seasonal northerly winds carry ozone precursors southward across the county, causing health standards to be exceeded. Santa Clara County experiences many exceedances of the $PM_{2.5}$ standard each winter. This is due to the high population density, wood smoke, industrial and freeway traffic, and poor wintertime air circulation caused by extensive hills to the east and west that block wind flow into the region (BAAQMD, 2019).

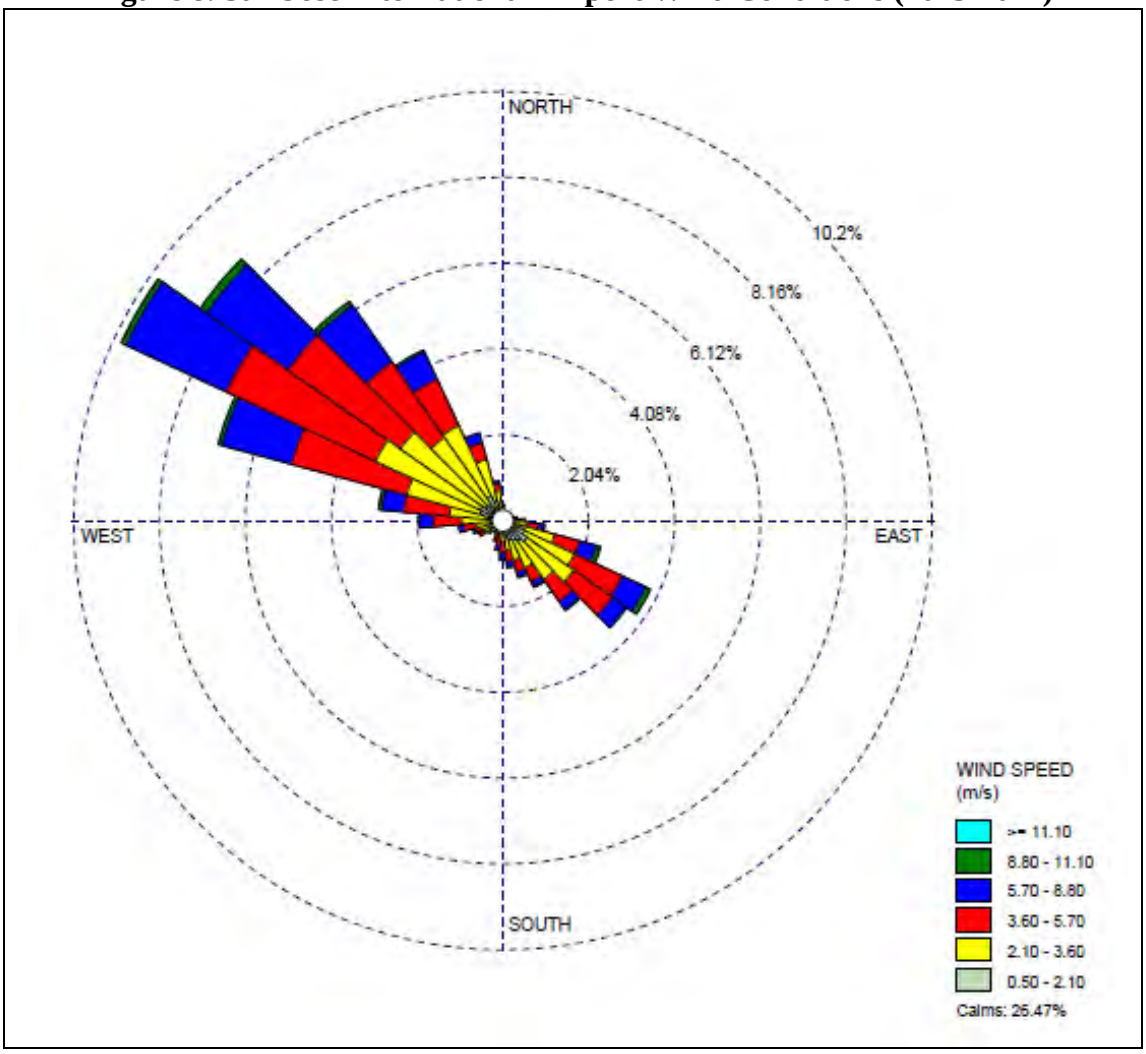
Prevailing Winds at San Jose International Airport
The project site is approximately 2.7 miles south of San Jose International Airport. As shown in Figure 8, San Jose International Airport Wind Conditions, the prevailing winds at San Jose International Airport are generally from the northwest. Wind conditions at San Jose International Airport are considered representative of conditions at the project site.

Sensitive Receptors
A sensitive receptor is generally defined as a location where human populations, especially children, seniors, and sick persons, are located where there is reasonable expectation of continuous human exposure to air pollutants. These typically include residences, hospitals, and schools. Air quality sensitive receptors in proximity of the project site include:

- Patients at the main hospital, approximately 130 feet east of the proposed Behavioral Health Center site.
- Students at Kidango Preschool / Daycare approximately 100 feet northwest of the proposed parking garage site.
- Single-family residential receptors approximately 450 feet northwest of the proposed Behavioral Health Center site on Empey Way.
- Multi-family residential receptors at the Sierra Crest Condominiums approximately 370 feet from the proposed parking garage site on Thornton Way; and

- Single-family residential receptors on Fruitdale Avenue (i.e., between Enborg Lane and Fruitdale Avenue), approximately 620 feet south of the proposed parking garage site and approximately 70 feet south of Don Lowe Pavilion.

Figure 8. San Jose International Airport Wind Conditions (2013-2017)



Source: BAAQMD, 2018
Wind rose depicting prevailing annual wind patterns at International Airport (second) for the years 2013 to 2017.
A wind speed of one meter per second (m/s) is approximately equal to 2.2 miles per hour (mph).

DISCUSSION:

a) No Impact. The proposed project would not conflict with nor obstruct implementation of the Bay Area Air Quality Management District (BAAQMD) *2017 Clean Air Plan* (BAAQMD, 2017a). The *2017 Clean Air Plan* includes increases in regional construction, area, mobile, and stationary source activities, and operations in its emission inventories and plans for achieving attainment of air quality standards. Chapter 5 of the *Clean Air Plan* contains the BAAQMD's strategy for achieving the plan's climate and air quality goals. This control strategy is the backbone of the *2017 Clean Air Plan.*

The proposed project consists of the demolition of an existing parking structure (PS3), the former Sam Della Maggiore School structures, and Don Lowe Pavilion, and the construction and operation of a new Behavioral Health Center and parking structure. The proposed project would not exceed the level of

population or housing foreseen in county or regional planning efforts; therefore, it would not have the potential to substantially affect housing, employment, and population projections within the region, which are the basis of the *2017 Clean Air Plan* projections. The control measures in the *2017 Clean Air Plan* do not directly apply to the proposed project and, therefore, the proposed project would not conflict with the *2017 Clean Air Plan*. Furthermore, as described under b), below, the increase in regional emissions generated by the proposed Project would be less than the BAAQMD's emissions thresholds. No impact would occur.

b) Less than Significant Impact. The proposed project would generate both short-term construction emissions and long-term operational emissions. The project's potential emissions were estimated using the California Emissions Estimator Model (CalEEMod), Version 2016.3.2. As described in more detail below, the proposed project would not generate short-term or long-term emissions that exceed BAAQMD-recommended criteria air pollutant thresholds.

Construction Emissions

The proposed project involves the demolition and off-haul of the Sam Della Maggiore School, Parking Structure #3, and Don Lowe Pavilion, and the construction of a new Behavioral Health Center and parking structure, and a surface parking lot. As described in the Project Description, construction activities are anticipated to last approximately two-and-a-half years beginning in June 2021. Construction activities would generally include demolition, grading/excavation, foundation construction, superstructure development and interior/exterior improvements, paving, and architectural coating. Construction activities associated with the proposed project would generate emissions from:

- Development activities at the proposed Behavioral Health Center site, including demolition of Parking Structure #3.
- Development activities at the proposed parking garage site, including demolition of the Sam Della Maggiore School; and
- Demolition activities at the Don Lowe Pavilion site and paving as a surface parking lot.

Construction emissions would be generated on-site during the use of heavy-duty, off-road construction equipment (e.g., excavators, forklifts, etc.) and off-site during worker, vendor, and hauling trips.

The project's potential construction emissions were generally estimated using default CalEEMod assumptions with project-specific construction phasing and equipment operating parameters updated based on information provided by the project's engineer, Sandis, and construction contractor, XL Construction. Estimated emissions of criteria air pollutants during project construction are summarized in Table 3 (refer to Appendix C.1 for detailed emissions estimates).

As shown in Table 3, construction emissions associated with the proposed project would be below all BAAQMD significance thresholds for criteria air pollutant emissions; however, as indicated in the BAAQMD's *CEQA Guidelines*, fugitive dust emissions are considered potentially significant, regardless of the quantity of PM_{10} or $PM_{2.5}$ emitted unless the BAAQMD's eight, recommended fugitive dust BMPs are implemented during construction activities (BAAQMD 2017b, pg. 8-4). As provided in Table 1 of the Project Description (see Section 6), the proposed project would comply with and implement the BAAQMD's eight, recommended fugitive dust BMPs during construction activities. These the BAAQMD's fugitive dust BMPs are presented below.

Table 3. Estimated Project Construction Criteria Air Pollutant Emissions

Year	Pollutant Emissions (Tons Per Year)						
	ROG	NOx	CO	PM_{10}		$PM_{2.5}$	
				Dust[A]	Exhaust	Dust[A]	Exhaust
2021	0.2	3.0	1.8	0.3	0.1	0.1	0.1
2022	0.6	4.6	4.3	0.4	0.2	0.1	0.2
2023	1.5	0.7	1.0	0.1	<0.0[B]	<0.0[B]	0.0
Year	**Pollutant Emissions (Average Pounds per Day)**						
	ROG	**NOx**	**CO**	**PM_{10}**		**$PM_{2.5}$**	
				Dust[A]	**Exhaust**	**Dust[A]**	**Exhaust**
2021[C]	3.2	39.6	24.0	3.7	1.3	1.5	1.2
2022[D]	4.5	34.7	32.5	2.7	1.3	0.8	1.2
2023[E]	12.1	5.5	8.1	1.2	0.2	0.5	0.2
BAAQMD CEQA Threshold	**54**	**54**	**--**	**BMPs**	**82**	**BMPs**	**82**
Potentially Significant Impact?	**No**	**No**	**No**	**Yes**	**No**	**Yes**	**No**

BAAQMD 2017b and MIG 2020. See Appendix C.1.

(A) For all projects, the BAAQMD recommends implementing eight basic construction best management practices (BMPs) to control fugitive dust from construction activities. The emissions presented herein reflect compliance with these BMPs.

(B) <0.0 does not mean zero; rather, it means less than 0.05, but greater than zero.

(C) Average daily emissions for 2021 assume 154 total active construction days (22 construction days per month for seven months).

(D) Average daily emissions for 2022 assume 264 total active construction days (22 construction days per month for 12 months).

(E) Average daily emissions for 2023 assume 242 total active construction days (22 construction days per month for 11 months).

To reduce potential fugitive dust that may be generated by project construction activities, the County shall implement BAAQMD basic construction measures when they are appropriate. These measures are listed in Table 2: Santa Clara County Standard Design and Construction Measures.

The proposed project would not generate construction criteria air pollutants that exceed BAAQMD thresholds, and the County would implement the BAAQMD fugitive dust BMPs. This impact would be less than significant.

Operational Emissions

Upon completion of construction activities, the proposed project would generate emissions of regulated air pollutants from:

- **"Area" Sources.** The proposed land uses would generate emissions from small area sources, including landscaping equipment, and the use of consumer products (e.g., paints, cleaners, and fertilizers) that result in the evaporation of chemicals into the atmosphere during product use.
- **Energy Use and Consumption.** The proposed land uses would generate emissions from the combustion of natural gas in water and space heating equipment.
- **Mobile Sources.** The proposed land uses would generate emissions from vehicles traveling to and from the project site; however, as detailed in the Traffic Analysis prepared for the project by Hexagon Transportation Consultants, the proposed project is anticipated to reduce overall

Vehicle Miles Traveled at the Santa Clara Valley Medical Center compared to existing conditions (Hexagon, 2021). As a conservative approach, the air quality analysis does not take credit for the net reduction in mobile source emissions that is anticipated to occur under project conditions and rather assumes that there would be no net change in mobile source emissions.

The proposed project's operational emissions were estimated using CalEEMod. The operational emissions generated in CalEEMod are based on the project's first year of operation (Year 2023) using default data assumptions provided by CalEEMod.

The proposed project's estimated operational emissions are presented in Table 4 which shows operational criteria air pollutant emissions associated with the proposed project would be below the BAAQMD regional thresholds. This impact would be less than significant.

c) Less than Significant Impact. As described above, sensitive residential receptors are located on all sides of the project site, with the closest receptors being northwest of the proposed parking garage site (i.e., Kidango Preschool / Daycare) and east of the Behavioral Health Center site at the Main Hospital. Residential receptors are also west of the proposed parking garage, on Thornton Way, and south of the Santa Clara Valley Medical Center Campus, on Fruitdale Avenue. Project-related construction activities would emit $PM_{2.5}$ from equipment exhaust. Nearly all the project's $PM_{2.5}$ emissions from equipment exhaust would be diesel particulate matter (DPM), a TAC.

Table 4. Estimated Project Operational Criteria Air Pollutant Emissions

Source	Pollutant Emissions (Tons per Year)				
	ROG	**NOx**	**CO**	**PM_{10}**	**$PM_{2.5}$**
Area Sources	1.1	<0.0(A)	0.8	<0.0(A)	<0.0(A)
Energy Demand	<0.0(A)	<0.0(A)	<0.0(A)	<0.0(A)	<0.0(A)
Mobile Sources	0.0	0.0	0.0	0.0	0.0
TOTAL(B)	1.1	<0.0(A)	0.8	<0.0(A)	<0.0(A)
BAAQMD CEQA Threshold	**10**	**10**	**--**	**15**	**10**
Potentially Significant Impact?	**No**	**No**	**No**	**No**	**No**
Source	**Pollutant Emissions (Average Pounds per Day)**				
	ROG	**NOx**	**CO**	**PM_{10}**	**$PM_{2.5}$**
Area Sources	6.0	0.1	4.5	0.2	0.2
Energy Demand	<0.0(A)	0.2	0.1	<0.0(A)	<0.0(A)
Mobile Sources	0.0	0.0	0.0	0.0	0.0
TOTAL	**6.0**	**0.2**	**4.6**	**0.2**	**0.2**
BAAQMD CEQA Threshold	**54**	**54**	**--**	**82**	**54**
Potentially Significant Impact?	**No**	**No**	**No**	**No**	**No**

BAAQMD 2017b and MIG 2020. See Appendix C.1.
(A) <0.0 does not mean zero; rather, it means less than 0.05, but greater than zero.
(B) Totals may not equal due to rounding.

A construction health risk assessment (HRA) was prepared to assess potential risks associated with sensitive receptor exposure to DPM during project construction activities. Although receptors at

hospitals are typically considered "sensitive," the construction HRA focuses on potential impacts to student / daycare receptors at Kidango Preschool / Daycare and residential receptors rather than receptors at the hospital, since hospitals feature enhanced air filtration systems, which would help capture and reduce the $PM_{2.5}$/DPM concentrations that receptors could be exposed to.[3] Furthermore, receptors at the hospital are assumed to be adults (less sensitive to the effects of DPM exposure), not subject to sustained exposure over the duration over the approximately two-and-a-half years of construction activities, and located indoors where the hospital's HVAC system would help filter any DPM concentrations that could make their way indoors. For these reasons, potential adverse health effects associated with receptor exposure to DPM concentrations at the Main Hospital are considered to be less than significant.

Construction Health Risk Assessment Methodology

The construction HRA was prepared consistent with the Office of Environmental Health Hazard Assessment (OEHHA) and BAAQMD guidelines for determining local community risks and hazards (OEHHA 2015; BAAQMD 2011, 2016). The U.S. EPA's AERMOD dispersion model was used to predict pollutant concentrations at existing sensitive receptors near the project site. The AERMOD dispersion model is a U.S. EPA-approved and BAAQMD-recommended model for simulating the dispersion of pollutant emissions and estimating ground level concentrations of pollutants at specified receptor locations. AERMOD requires the user to input information on the source(s) of pollutants being modeled, the receptors where pollutant concentrations are modeled, and the meteorology, terrain, and other factors that affect the potential dispersion of pollutants. These variables are described below and shown in detail in Appendix C.2.

Modeled Construction Sources / Emission Rates

On- and off-site construction emissions were modeled as a series of area and line volume sources, as shown in Table 5. Consistent with BAAQMD-recommendations, $PM_{2.5}$ construction exhaust emissions were presumed to be 100 percent DPM; $PM_{2.5}$ fugitive dust emissions were not modeled to determine total combined $PM_{2.5}$ exposure pursuant to BAAQMD CEQA Guidelines and guidance provided by staff of the BAAQMD's Planning and Climate Protection Division (BAAQMD, 2018). An emissions rate for each construction source was derived from the CalEEMod emissions estimates described in response b), above. The annual emissions generated during construction of the proposed Behavioral Health Center, parking garage, and demolition / repaving of the Don Lowe Pavilion site were converted to an average emission rate in terms of grams / second per hour per hour of construction activity.

On-site DPM emissions were modeled as a series of area sources; two sources for each year of construction at the Behavioral Health Center, two sources of each year of construction at the parking garage site, two sources in 2023 associated with demolition of the Don Lowe Pavilion, and one area

[3] Healthcare facilities feature high-quality ventilation systems to dilute and capture airborne contaminants, including gases vapors, and particulates. Although standards have changed over the years, the general approach for has been that highly sensitive areas of the hospital (e.g., operating rooms, laboratories, protective environment rooms, etc.) have higher air filtration requirements, while lower sensitivity areas (e.g., administrative areas, bulk storage areas, etc.) have lower air filtration requirements. For example, Table 6-4 of ASHRAE Standard 170-2013 specifies that the minimum air filtration requirements for operating rooms consists of two sets of filters with the first being a MERV 7 filter and the second one being a MERV 14 filter (ASHE, 2014). MERV 14 filters have a control filtration efficiency of 90 percent or greater for microns 1.0 to 3.0 microns in diameter (i.e., inclusive of $PM_{2.5}$) (U.S. EPA, 2020). Continuous air filtration throughout the hospital would prevent hospital receptors from being exposed to substantial pollutant concentrations for any duration they are on site and in the hospital.

source per year for construction activities associated with tunnel construction.[4] DPM exhaust emissions were assigned a release height of five meters; this elevated source height reflects the height of the equipment exhaust pipes, plus an additional distance for the height of the exhaust plume above the exhaust pipes to account for the plume rise of the exhaust gases.[5]

Off-site DPM emissions from vehicles were modeled as line area sources. Construction vehicle trips to and from the Behavioral Health Center and parking structure sites were assumed to travel to and from the project sites via Ginger lane, which runs adjacent to the western boundary of the Behavioral Health Center site and eastern boundary of the parking structure site. Vehicle trips associated with demolition of the Down Lowe Pavilion were assumed to travel on Enborg Lane and South Bascom Avenue. Vendor trips and hauling trips were modeled as area line sources, with a release height of 4.15 meters (13.6 feet).[6]

Table 5. AERMOD Source Parameters

ID	Description	UTM Coordinates(A)		Size
		X	Y	(m^2)
PAREA01	Year 2021 Behavioral Health Center On-site $PM_{2.5}$ Exhaust (West)	594254.01	4130263.97	4,216.0
PAREA02	Year 2021 Behavioral Health Center On-site $PM_{2.5}$ Exhaust (East)	594311.55	4130264.56	3,839.4
PAREA03	Year 2022 Behavioral Health Center On-site $PM_{2.5}$ Exhaust (West)	594254.01	4130263.97	4,216.0
PAREA04	Year 2022 Behavioral Health Center On-site $PM_{2.5}$ Exhaust (East)	594311.55	4130264.56	3,839.4
PAREA05	Year 2023 Behavioral Health Center On-site $PM_{2.5}$ Exhaust (West)	594254.01	4130263.97	4,216.0
PAREA06	Year 2022 Tunnel Construction On-site $PM_{2.5}$ Exhaust	594311.55	4130264.56	3,839.4
PAREA07	Year 2023 Tunnel Construction On-site $PM_{2.5}$ Exhaust	594355.73	4130165.92	285.1
PAREA08	Year 2023 Behavioral Health Center On-site $PM_{2.5}$ Exhaust (East)	594355.73	4130165.92	285.1
PAREA09	Year 2021 Parking Garage On-site $PM_{2.5}$ Exhaust (West)	594151.46	4130168.08	4,048.4
PAREA10	Year 2021 Parking Garage On-site $PM_{2.5}$ Exhaust (East)	594196.59	4130168.65	3,391.7
PAREA11	Year 2022 Parking Garage On-site $PM_{2.5}$ Exhaust (West)	594151.46	4130168.08	4048.4
PAREA12	Year 2022 Parking Garage On-site $PM_{2.5}$ Exhaust (East)	594196.59	4130168.65	3,391.7
PAREA13	Year 2023 Don Lowe Pavilion Demolition On-site $PM_{2.5}$ Exhaust (West)	594400.80	4129990.21	2,219.2

[4] For the Behavioral Health Center and parking garage construction sites, the two, yearly area sources were split between the western and eastern portions of the active construction area.

[5] The Sacramento Metro Air Quality Management District (SMAQMD) recommends a release height of 5 meters. Since the BAAQMD does not have a recommended release height for $PM_{2.5}$ exhaust emissions generated by construction equipment, the SMAQMD's release heights have been used instead (SMAQMD 2013).

[6] The release height of 4.15 meters is based on the modeling inputs from CARB's *2000 Diesel Risk Reduction Plan, Appendix VII, Table 2*. Although the inputs in the *Diesel Risk Reduction Plan* are for a "truck stop," the release height has been used in other studies, including CARB's HRA for the Union Pacific Railyard in Oakland (CARB 2000, CARB 2008).

Table 5. AERMOD Source Parameters

ID	Description	UTM Coordinates(A)		Size (m^2)
		X	Y	
PAREA14	Year 2023 Don Lowe Pavilion Demolition On-site $PM_{2.5}$ Exhaust (East)	594433.05	4129990.53	2,202.6
ARLN01	Year 2021 Behavioral Health Center / Tunnel Off-site $PM_{2.5}$ Exhaust	594248.76	4130194.25	--
ARLN02	Year 2021 Parking Garage Off-site $PM_{2.5}$ Exhaust	594244.39	4130084.85	--
ARLN03	Year 2022 Behavioral Health Center / Tunnel Off-site $PM_{2.5}$ Exhaust	594248.76	4130194.25	--
ARLN04	Year 2022 Parking Garage Off-site $PM_{2.5}$ Exhaust	594244.39	4130084.85	--
ARLN05	Year 2023 Behavioral Health Center / Tunnel Off-site $PM_{2.5}$ Exhaust	594248.76	4130194.25	--
ARLN06	Year 2023 Don Lowe Pavilion Off-site $PM_{2.5}$ Exhaust	594457.13	4129924.61	--

Source: Appendix C.2

(A) UTM coordinates represent the southwest corner of the source for area sources and the southernmost node for the line area sources.

Meteorological Data Inputs

AERMOD requires meteorological data as an input for the model. The meteorological data is processed using AERMET, a pre-processor to AERMOD. AERMET requires surface meteorological data, upper air meteorological data, and surface parameter data such as albedo (reflectivity) and surface roughness. For the proposed project, pre-processed surface data was obtained from the BAAQMD for San Jose International Airport (KSJC); upper air data was obtained from Oakland International Airport, since this is the closest upper air meteorological station with data available. Five complete years of meteorological data from January 2013 to December 2017 were utilized. The meteorological data was processed using AERMET version 18081 with the adjusted U*. Emissions were modeled to be generated during the general periods during which emissions would be emitted (i.e., 7 AM to 7 PM, Monday through Saturday).[7] Consistent with the anticipated construction schedule, emissions were modeled from June 1 to the end of year for 2021, throughout the entire year for 2022, and from the beginning of 2023 through November.

[7] As described in the Section 5 of the Project Description, some construction phases of the Behavioral Health Center are anticipated to require double-shift construction work. The double-shift work would involve construction during the hours of 6 AM to 7 AM and 7 PM to 10 PM. All construction emission were modeled to occur between 7 AM to 7 PM, because this is the general timeframe during which construction pollutants would be emitted. This provides a conservative assessment of potential health risks at Kidango Preschool / Daycare, since there is a higher, modeled, annual pollutant concentration during the hours for which preschool / daycare receptors would be exposed (i.e., the same quantity of emissions are divided over a shorter timeframe under the 7 AM to 7 PM scenario than they would be over a 6 AM to 10 PM scenario, resulting in higher pollutant concentrations during the hours receptors would be at Kidango). This difference in modeled hours of construction does not meaningful change the estimated pollutant concentrations nor corresponding health risks at receptor locations.

Terrain Inputs
Terrain was incorporated by using AERMAP (an AERMOD pre-processor) to import the elevation of the project site using data from the National Elevation Dataset (NED) with a resolution of 1/3 arcsecond.

Modeled Receptors
For construction activities, a 1,000-meter by 1,000-meter grid was generated with a receptor spacing of 50 meters. The grid's center coordinates were 594321.07m E and 4130234.14m N. The grid was converted to discrete Cartesian receptors. Receptors that were located within the project site (and associated, modeled area sources) were removed, and an additional two receptors were placed on top of structures associated with Kidango Preschool / Daycare. In total, approximately 437 receptors were modeled at a height of 1.8 meters (5.9 feet).

Risk Assessment
Health risks were assessed according to the recommendations in the BAAQMD's *Recommended Methods for Screening and Modeling Local Risks and Hazards* and *Air Toxics New Source Review Program Health Risk Guidelines*, as well as the Office of Environmental Health Hazard Assessment's *Air Toxics Hot Spots Program Guidance Manual*. The concentrations of pollutants produced by the project during construction, as estimated using AERMOD, were used to derive:

1. **Individual excess cancer risk:** Cancer risk is the calculated, pollutant-specific estimated probability of developing cancer based upon the dose and exposure to the TAC. Cancer risk is calculated using predefined cancer potency factors, ground level exposure concentration, duration of exposure, and other parameters such as age sensitivity. For the proposed project, cancer risk was estimated for the inhalation pathway (i.e., breathing). In general, the inhalation dose is a function of the concentration of a chemical and the intake of that chemical. The dose can be calculated as follows:

$$\mathbf{DOSE_{air} = C_{air} \times DBR \times A \times EF \times CF}$$

Where:

Dose = Dose of chemical in the air (mg/kg-day)
C_{air} = Chemical concentration in the air ($\mu g/m^3$)
DBR = Daily breathing rate (L/kg-day)
A = Inhalation adsorption factor
EF = Exposure Frequency, days at home / days in year (unitless)
CF = 10^{-6} Conversion Factor (m^3/L and mg/μg)

Consistent with BAAQMD methodology, the DBR was set to the 95th percentile for the third trimester and the 0-2 (i.e., infant) age groups and the 80th percentile for the 2-16 and 16-30 age groups.

Student / daycare receptors were assumed to be exposed to modeled chemical concentrations for 11 hours per day, five days a week.[8] In total, student / daycare receptors were anticipated to be at the Kidango site for approximately 261 days per year (or 71% of the year).

Residential receptors were assumed to be exposed to modeled chemical concentrations for 24 hours per day, for 350 days per year (or 96% of the year).

Excess lifetime cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens. The estimated risk is expressed as a unit-less probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). The equation used to calculate the potential excess lifetime cancer risk for the inhalation pathway is:

$$\mathbf{RISK_{(Inh)} = DOSE_{air} \times CPF \times ASF \times (ED/AT) \times FAH \times 1{,}000{,}000}$$

Where:

Risk = Cancer Risk per million population; the incremental probability of an individual developing cancer as a result of inhalation exposure to a particular potential carcinogen (unitless)
Dose = Dose of chemical in the air (mg/kg-day)
CPF = Inhalation cancer potency factor (mg/kg-day)
ASF = Age sensitivity factor for specified age group
ED = Exposure duration (in years) for specified age group (unitless)
AT = Averaging time for lifetime cancer risk (years)
FAH = Fraction of time spent at home (unitless)

The cancer potency factor for DPM is 1.1 mg/kg-day. The age sensitivity factor, exposure duration, and fraction of time spent at home for 3rd trimester, 0-2, 0-16, and 16-70 age bins were set to BAAQMD-recommended levels.

The risk parameters used to calculate excess individual cancer risk for residential and student receptors are summarized in Table 6 and Table 7, respectively.

[8] Kidango is open from 6:30 AM to 6 PM, Monday through Friday. Since construction activities have been modeled to begin as early as 7:00 AM, student / daycare receptors could, in theory, be exposed to emissions from 7:00 AM to 6:00 PM, Monday through Friday (Kidango, 2020 and ND).

Table 6. Residential Health Risk Assessment Parameters

Risk Assessment Parameter	Infant Receptor		Child Receptor	Adult Receptor
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years
Daily Breathing Rate (L/kg-day)	361	1090	572	261
Exposure Frequency	0.96	0.96	0.96	0.96
DPM Inhalation Cancer Potency (mg/kg-day)	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	1
Exposure Duration (Years; 2021)(A)	0.25	0.58	0.58	0.58
Exposure Duration (Years; 2022)	0.25	1	1	1
Exposure Duration (Years; 2023)(B) (C)	0.25	0.92	0.92	0.92
Averaging Time (Years)	70	70	70	70
Fraction of Time at Home(D)	1	1	0.72	0.73

Source: OEHHA, 2015

Notes:

(A) Construction activities in 2021 are anticipated to last for approximately 7 months (7 months / 12 months = 0.58). Due to this construction schedule, infant receptors that are in the 3rd trimester when construction activities commence would be exposed to 0.25 years of exposure based on 3rd trimester criteria and 0.33 year of exposure based on 0-2 year old receptor criteria (0.25 + 0.33 = 0.58 years of exposure for 2021).

(B) Construction activities in 2023 are anticipated to last for approximately 11 months (11 months / 12 months = 0.92). Infant receptors who were in the 3rd trimester when construction activities have 8 months in 2023 before they would turn 2 years old and then be subject to 2-16 year old risk criteria for the remaining 3 months of construction activities in 2023.

(C) Construction activities in 2023 are anticipated to last for approximately 11 months (11 months / 12 months = 0.92). Infant receptors who were 0 years old when construction activities would only have 5 months in 2023 before they would turn 2 years old and then be subject to 2-16 year old risk criteria for the remaining 6 months of construction activities in 2023.

(D) Consistent with OEHHA guidance, the FAH for 3rd trimester and ages 0-2 was set to "1", since there is a school (i.e., Kidango Daycare / Preschool) within the 1 x 10^{-6} risk isopleth.

2. **Noncancer hazard quotient.** The noncancer hazard quotient is the calculated pollutant-specific indicator for risk of developing an adverse health effect on specific organ system(s) targeted by the identified TAC.

   The potential for exposure to result in chronic non-cancer effects is evaluated by comparing the estimated annual average air concentration (which is equivalent to the average daily air concentration) to the chemical-specific, non-cancer chronic reference exposure levels (RELs). The REL is a concentration below which there is assumed to be no observable adverse health impact to a target organ system. When calculated for a single chemical, the comparison yields a ratio termed a hazard quotient. To evaluate the potential for adverse chronic non-cancer health effects from simultaneous exposure to multiple chemicals, the hazard quotients for all chemicals are summed, yielding a hazard index. For an acute hazard quotient, the one-hour maximum concentration is divided by the acute REL for the substance.

   In general, the equations used to calculate chemical-specific hazard quotients and summed hazard index are:

$$Chronic\ HQ_i = C_i / REL_i$$
$$Chronic\ HI = \sum HQ_i$$

Where:

Chronic HQ_i	= Chronic Hazard quotient for chemical$_i$ (unitless)
Chronic HI	= Hazard Index (unitless)
C_i	= Annual average air concentration for chemical$_i$ ($\mu g/m^3$)
REL_i	= Chronic non-cancer Reference Exposure Level for chemical$_i$ ($\mu g/m^3$)

The chronical inhalation REL for DPM is 5 $\mu g/m^3$. No acute non-cancer impacts were estimated, since there is no acute REL for DPM.

Construction Health Risk Assessment Results

The construction HRA evaluated DPM emissions associated with on- and off-road diesel fuel trucks and equipment. Gasoline-fuel vehicles emit various TACs in much smaller quantities and health toxicity compared to DPM. Thus, gasoline fueled emission sources were not included in the HRA.

The proposed project would involve different construction activities occurring at different intensities over an approximately two-and-a-half-year period, with initial groundbreaking taking place in July of 2021. Receptors would be exposed to varying concentrations of pollutants throughout the construction period.

Table 7. Student Health Risk Assessment Parameters

Risk Assessment Parameter	Infant Receptor	Child Receptor
	0-2 Years	2-9 Years
Daily Breathing Rate (L/kg-day)	1200	640
Exposure Frequency(A)	0.71	0.71
DPM Inhalation Cancer Potency (mg/kg-day)	1.1	1.1
Age Sensitivity Factor	10	3
Exposure Duration (Years; 2021)(B)(C)	0.5	0.58
Exposure Duration (Years; 2022)(D)	1	1
Exposure Duration (Years; 2023)(E)	0.92	0.92
Averaging Time (Years)	70	70
Fraction of Time at School(F)	0.46	0.46

Source: OEHHA, 2015

(A) Assumes receptor would be at Kidango 5 days per week.
(B) Construction activities in 2021 are anticipated to last for approximately 7 months (7 months / 12 months = 0.58).
(C) The earliest age Kidango offers services for is infants 18 months old. Infant receptors who were 18 months old when construction activities would only have 6 months in 2021 before they would turn 2 years old and then be subject to 2-9 year old risk criteria for the remaining 1 month of construction activities in 2021.
(D) Construction activities in 2022 are anticipated to last for approximately 12 months (12 months / 12 months = 1).
(E) Construction activities in 2023 are anticipated to last for approximately 11 months (10 months / 12 months = 0.92).
(F) Assumes receptor is exposed to emissions for 11 hours per day, based on overlap between when Kidango is open and when construction activities would occur (11 hours / 24 hours = 0.46).

Individual Cancer Risk from Exposure to DPM

The predicted locations of the annual, unmitigated point of maximum impact (PMI), the maximum exposed individual receptor (MEIR), and the maximum exposed student receptor for DPM exposure are shown in Figure 9. The predicted PMI is generally located in the middle of Turner Drive, adjacent to the behavioral health center construction site. Since the PMI for DPM exposure is located on lands that are not occupied by a receptor on a permanent basis, lifetime excess cancer risks and chronic non-cancer health hazards, which are based on exposure to annual average pollutant concentrations, were not estimated for the modeled PMI location.

Accordingly, health risks were assessed at the modeled residential MEIR location for DPM exposure, which is located at the single-family residential building at 2263 Fruitdale Avenue, in the City of San Jose. The HRA for residential receptors evaluated worst-case carcinogenic and non-carcinogenic risks to child (3rd trimester, 0-2 years, and 2-16 years) and adult (16-30 years and 30-70 years) receptors. Potential health risks were also assessed for student / daycare receptors at the Kidango Preschool / Daycare.

As shown in Table 8, the calculated risks are greatest for residential child receptors; in particular, child receptors that are less than two years old at the start of construction activities (see Appendix C.3 for a full breakdown of health risks by age bin). The calculated excess individual cancer risk for this subset of the population is approximately 8.9 excess cancer risks per million population, which is below the BAAQMD's threshold of 10 excess cancer risks per million population. At the same DPM concentrations, risks to residential children ages 2-16 would be approximately one sixth of the

BAAQMD-recommended significance threshold, and risks to adult receptors would be approximately one tenth of the BAAQMD-recommended threshold. The magnitude of the project's predicted cancer risks at sensitive residential receptors is partly a function of the latest OEHHA and BAAQMD-guidance on HRAs, which account for increased susceptibility from exposure to TACs in early life stages, but is primarily a function of the anticipated construction activities, equipment usage, and meteorological conditions accounted for in the modeling.

As shown in Table 8, potential health risks would be below the BAAQMD risk threshold of 10 excess cancer incidents per million population. Therefore, the proposed project would not result in significant carcinogenic health risks to receptors from DPM exposure.

Non-Carcinogenic Health Hazard from Exposure to DPM

The maximum annual average DPM concentration at any receptor location would be approximately 0.0936 $\mu g/m^3$, which would occur at Kidango Preschool / Daycare during Year 2022 construction activities (see Figure 9 for identification of the student receptor location). Based on the chronic inhalation REL for DPM (5 $\mu g/m^3$), the calculated chronic hazard quotient during the maximum exposure to DPM concentration would be 0.019, which is below the BAAQMD's non-cancer hazard index threshold value of 1.0. The proposed project, therefore, would not result in significant non-carcinogenic health risks to receptors from DPM exposure.

Figure 9. Construction Health Risk Assessment – PMI, MEIR, and Student Receptor

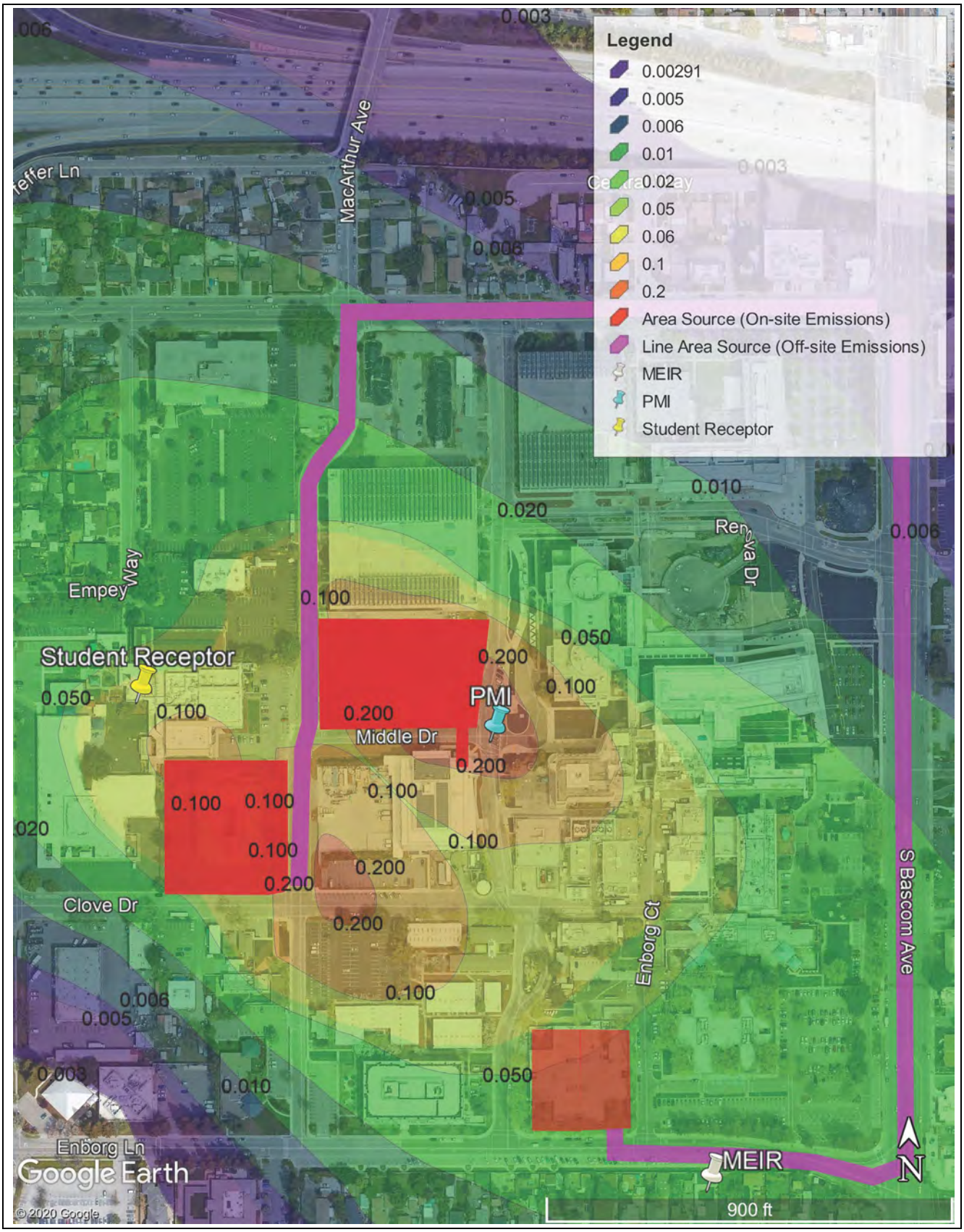


Table 8. Maximum Increased Cancer Risk from Project Construction DPM Emissions

Year	Potential Health Risk Increases
	Unmitigated
Residential Child Receptor (MEIR)[(A)]	
2021	2.5
2022	5.5
2023	0.8
Total Incremental Health Risk Increase	8.9
BAAQMD Significance Threshold	10
Significant Impact?	**No**
Residential Adult Receptor (MEIR) [(A)]	
2021	<0.0[(B)]
2022	0.1
2023	<0.0[(B)]
Total Incremental Health Risk Increase	0.2
BAAQMD Significance Threshold	10
Significant Impact?	**No**
Student Receptor[(C)]	
2021	2.3
2022	0.9
2023	<0.0[(B)]
Total Incremental Health Risk Increase	3.2
BAAQMD Significance Threshold	10
Significant Impact?	**No**

Source: MIG, 2021. See Appendix C.3.
Notes:
(A) Maximum exposed residential receptor located at 594521.07 m E and 4129884.14 m N.
(B) <0.0 does not mean the risk is zero; rather, it means the risk is less than 0.05 but greater than zero.
(C) Maximum exposed student receptor located at 594132.05 m E and 4130211.12 m N.

Criteria Air Pollutant Exposure

As described in the setting section above, both the U.S. EPA and CARB regulate common air pollutants on the basis of human health and/or environmental criteria, with the most commonly regulated air pollutants including NOx, PM, CO, etc., which can cause adverse human health effects. As shown in Table 3, the potential emissions of NOx, CO, and PM occurring during development activities would not exceed the BAAQMD-recommended regional thresholds. Since the proposed project would be short in duration (i.e., approximately two and a half years) and criteria air pollutant emissions would be below BAAQMD thresholds, receptors would not be exposed to substantial pollutant concentrations. This impact would be less than significant.

d) Less than Significant Impact. Construction of the project would generate typical odors associated with construction activities, such as vehicle exhaust odors. The odors generated by the project would be intermittent and localized in nature and would disperse quickly. There are no other anticipated

emissions. Therefore, the project would not create emissions or odors that adversely affect a substantial number of people. This impact would be less than significant.

MITIGATION:

None required.

D. BIOLOGICAL RESOURCES							
	IMPACT						
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	Source
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐	☐	☐	☐	2, 3, 4, 17a, 17b
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	☐	☐	☐	☒	☐	☐	2, 3, 4, 7, 8a, 9,17b, 41, 42
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒	☐	☐	2, 3, 4, 7, 17n, 44
d) Have a substantial adverse effect on oak woodland habitat as defined by Oak Woodlands Conservation Law (conversion/loss of oak woodlands) – Public Resource Code 21083.4?	☐	☐	☐	☒	☐	☐	1, 2, 3
e) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites?	☐	☐	☐	☒	☐	☐	1, 2, 3, 7
f) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☒	☐	☐	☐	☐	3, 20, 43
g) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional or state habitat conservation plan?	☐	☐	☐	☒	☐	☐	3, 4, 17b, 41, 42

SETTING:

The project site is located in an urban setting and is currently developed with a two-story parking structure, a building previously used to house a school but is currently used to house SCVMC administrative functions, and the Don Lowe Pavilion. Street trees line the project frontages along Turner Drive, Middle Drive, Ginger Lane, Clove Drive, and the eastern side of the new parking structure site. The Don Lowe building is surrounded by street trees on Enborg Lane, Enborg Court, and Bradley Avenue. There are no other biological resources on site such as open grasslands, oak woodlands, wetlands or riparian communities, or other sensitive natural communities within the project site or the immediate vicinity. Because of the urban setting the site is not part of an established migratory wildlife corridor or nursery site. Due to the lack of sensitive habitats and the human disturbance of the project site, special-status plant and animal species do not occur on the project site.

The project is within the Santa Clara Valley Habitat Conservation Plan Permit Area and the site is described as an urban area with no land cover fee.

The project is subjected to the County of Santa Clara Tree Preservation and Removal Ordinance which serves to protect trees meeting specified conditions. Any persons proposing to remove a protected tree shall file for an administrative permit no less than 10 days prior to removal, or for heritage trees, 90 days prior to removal.

A protected tree on property owned or leased by the County is any tree that measures over 37.7 inches in circumference (12 inches or more in diameter) measured at 4.5 feet above the ground, or which exceeds 20 feet in height. A heritage tree is any tree which, because of its history, girth, height, species, or other unique quality, has been recommended for inclusion on the heritage resource inventory by the Historical Heritage Commission and found by the Board of Supervisors to have special significance to the community, and which has therefore been included in the heritage resource inventory adopted by resolution of the Board of Supervisors.

A Tree Survey was prepared by HortScience | Bartlett Consulting for the BHSC and parking structure sites. The survey assessed 45 trees at the SCVMC BHSC sites. Among the 14 species there are 11 London plane trees, nine Callery pears, and six camphor trees. The remaining 11 species were represented by three or fewer trees. All trees had been planted as part of landscape treatment. None of the tree species present are native to the San Jose area, however they are typically used as landscaping plants in the San Jose area. Tree condition was variable: 25% of trees were in good and excellent condition, 50% of trees were in fair condition, and 25% of trees were in poor condition. Tree condition varied by species and location. There did not appear to be any irrigation at 2300 Clove Lane. Irrigation may have also been stopped at the other locations. Among the 45 trees analyzed, 39 are within the project sites and are planned for removal; 20 of these trees to be removed are considered protected under the County's Tree Preservation and Removal Ordinance due to their size. Table 9 presents the trees assessed in the Tree Survey Report.

Table 9. Existing Trees Within the BHSC and Parking Structure Sites

Species	Trunk Diameter		Total Number of Trees
	Less than 12 inches	*Greater or equal to 12 inches*	
Callery Pear	6	2	8
London Plane	5	5	10
Marina Madrone	2		2
Flowering Dogwood	1		1
Lemon	1		1
Coast Redwood		2	2
Purpleleaf Plum	2		2
Chinese Pistachio		2	2
Italian Cypress		2	2
Camphor	1	5	6
Holly Oak		1	1
Red Oak	1	1	2
Total Number of Trees	**19**	**20**	**39**
Source: HortScience | Bartlett Consulting, Santa Clara Valley Medical Behavioral Health Center Tree Survey, August 2020			

DISCUSSION:

a) Less than Significant with Mitigation Incorporated. The project's potential impacts on special-status species, nesting birds, and roosting bats are discussed below.

Special-status Species- No Impact

For the purposes of this CEQA document, special-status species include those plant and animals listed, proposed for listing or candidates for listing as threatened or endangered by the U. S. Fish and Wildlife Service (USFWS) or National Oceanic and Atmospheric Administration (NOAA) Fisheries under the Federal Endangered Species Act; those listed or proposed for listing as rare, threatened or endangered by the California Department of Fish and Wildlife (CDFW) under the California Endangered Species Act (CESA); animals designated as CFP or CSSC by the CDFW; and plants listed as Rank 1A, 1B, 2, 3 and 4 of the California Native Plant Society (CNPS) Inventory.

There is no potentially suitable habitat for any special-status species on or near the project site, except for bats as discussed below. The site and surrounding area are developed with buildings, parking lots, and roads; vegetation in the project area is limited to landscape trees and shrubs. There is no USFWS-designated critical habitat on or near the project site (USFWS, 2020).

Nesting Birds- Less Than Significant with Mitigation Incorporated

All migratory birds and their nests are protected under the federal Migratory Bird Treaty Act (MBTA) and California Fish and Game Code.

Construction disturbance during the avian breeding season (February 1 through August 31, for the species expected in this urban location) could result in the incidental loss of eggs or nestlings, either directly through the destruction or disturbance of active nests or indirectly by causing the abandonment of nests.

The project includes the removal of trees and other vegetation and bird nests could be present in the landscape trees and shrubs that would be removed by the project. Noise and increased construction activity could also impact foraging behavior, potentially resulting in the abandonment of nest sites. Disturbance of nesting birds is considered significant under the MBTA and California Fish and Game code.

Implementation of Mitigation Measures BIO-1A and BIO-1B would avoid impacts on active nests of birds protected by the MBTA or California Fish and Game Code and reduce impacts to a less than significant level.

Impacts to Bat Colonies – Less than Significant with Mitigation Incorporated

The existing parking structure, the former Sam Della Maggiore building, and the Don Lowe Pavilion could be used as day and/or maternity roosts by bats, and the trees bordering the site could also support roosting bats. Removal or disturbance of roost habitat may constitute significant impacts to non-game mammals under California Fish and Game code, particularly if an occupied maternity or colony roost is disturbed or removed. The project must comply with the provisions of the California Fish and Game Code to protect non-game mammals, including bats.

When structures containing bats are removed or modified, individual bats could be physically injured or killed, or subjected to physiological stress resulting from being disturbed during torpor. Additionally, noise associated with construction equipment and generators may disturb roosting bats, potentially causing them to avoid foraging or roosting (or to abandon roosts) in areas close to construction activity. Bats flushed during the day could suffer increased predation, resulting in the loss of individuals. Further, the direct loss of individuals in a maternity roost could eliminate an entire colony due to the loss of the pregnant females. Disturbance of bat colonies would be considered significant under CEQA guidelines.

The Implementation of Mitigation Measures BIO-2A through BIO-2B will avoid and minimize impacts on day roosts and maternity colonies to a less than significant level.

b), c), d), e), and g) No Impact. The project would be constructed within a designated urban area on a project site that has previously been disturbed and most of which have been paved for parking. No special status species or sensitive habitats such as wetlands, riparian areas, or oak woodland have been identified within the project site.

The project is within the Santa Clara Valley Habitat Plan Permit Area and the site is described as an urban area with no land cover fee.

f) Less than Significant Impact with Mitigation. The project is subjected to the County of Santa Clara Tree Preservation and Removal Ordinance which serves to protect trees meeting specified conditions. Any persons proposing to remove a protected tree shall file for an administrative permit no less than 10 days prior to removal, or for heritage trees, 90 days prior to removal.

Per the County's Tree Preservation and Removal Ordinance, replacement trees shall be planted for all protected trees removed. Replacement trees shall be of a like kind and species of the protected tree removed, if native and feasible, or of a kind and species to be determined by the County Planning Department. Replacement tree planting shall utilize at least five-gallon size stock. The ratio of protected trees to be removed to new trees planted shall be determined by the County Planning Department. Replacement tree planting shall utilize at least five-gallon size stock. The ratio of protected trees to be removed to new trees planted would be in accordance with the Santa Clara Guidelines for Tree Protection and Preservation for Land Use Applications. Although the proposed project is a County capital facilities project rather than a land use application, these guidelines are applicable through County ordinance because it involves property owned by the County.

The project would remove 39 individual trees (see Table 9). The project proposes to install approximately 62 new trees and various shrubs, perennials, grasses, and groundcover species. However, because eight of these trees are at least 12" in diameter 4.5 inches above the ground and therefore protected by the County's tree preservation ordinance, the following mitigation measures from the County's Guidelines for Tree Preservation for Land Use Applications would be required.

Implementation of Mitigation Measure BIO-3 would reduce potential project impacts from tree removal to less than significant levels.

MITIGATION:

Impact BIO-1: The proposed project could impact nesting birds protected under the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code. Birds could nest in the vacant building or in trees or shrubs bordering the site.

Mitigation Measure BIO-1A: Pre-Construction/Pre-Disturbance Survey for Nesting Birds. To the extent feasible, construction activities shall be scheduled to avoid the nesting season. If construction activities are scheduled to take place outside of the nesting season, all impacts to nesting birds protected under the MBTA and California Fish and Game code would be avoided. The nesting season for this project extends from February 1 through August 31.

If it is not possible to schedule construction activities between September 1 and January 31, then a preconstruction survey for nesting birds will be conducted by a qualified biologist to ensure that nesting will not be disrupted during project implementation, including the removal of street trees. A qualified biologist is a biologist with experience in nesting bird surveys, and who is familiar with bird species present in the project area. This survey will be conducted no more than five days prior to the initiation of any site disturbance activities and equipment mobilization. If Project activities are delayed by more than five days, an additional nesting bird survey will be performed. During the survey, the biologist will inspect the vacant building and all trees and shrubs in and immediately adjacent to the impact area, for nests. Active nesting is present if a bird is building a nest, sitting in a nest, a nest has

eggs or chicks in it, or adults are observed carrying food to the nest. The results of the survey will be documented.

If active nests are observed within the Project site or immediately adjacent to the impact area, **Mitigation Measure BIO-1B** shall apply.

Mitigation Measure BIO-1B: Active Nests. If an active nest is found sufficiently close to work areas to be disturbed by these activities, the biologist will determine the extent of a construction-free buffer zone to be established around the nest, to ensure that active nesting protected by the MBTA and California Fish and Game Code will not be disturbed during construction. Within the buffer zone, no site disturbance and mobilization of heavy equipment, including but not limited to equipment staging, fence installation, demolition, and grading will be permitted until the chicks have fledged. Monitoring will be required to ensure compliance with MBTA and relevant California Fish and Game Code requirements. Monitoring dates and findings will be documented.

Effectiveness: This measure would minimize and/or avoid impacts to nesting birds to less than significant levels

Implementation: The County and its contractor.

Timing: Pre-construction phase (no more than five days prior to site disturbance) and construction phase (if nest monitoring is required).

Monitoring: County acceptance of a report provided by the qualified biologist. The qualified biologist's written report will include all survey and monitoring results, and implementation of any avoidance and minimization measures

Impact BIO-2: The proposed project has the potential to impact bats protected by California Fish and Game code that are roosting in the buildings that will be demolished or possibly in the street trees that will be removed. Although unlikely, this could include special-status bats listed under the federal or California Endangered Species Acts or listed as a California species of special concern.

Mitigation Measure BIO-2A: Pre-Construction Survey for Roosting Bats. A survey of the parking structure, the Sam Della Maggiore building, the Don Lowe Pavilion, and any trees with cavities, cervices or peeling bark within 50 feet of the project site will be conducted by a qualified biologist no less than 30 days before the start of construction-related activities (including but not limited to mobilization and staging, clearing, grubbing, tree removal, vegetation removal, fence installation, demolition, and grading). A qualified biologist is a biologist with experience in day and night surveys for roosting bats, bat ecology, and bat species present in the project area. If construction activities are delayed by more than 30 days, an additional bat survey will be performed.

The survey may be conducted at any time of year but shall be conducted in such a way to allow sufficient time to determine if special-status bats or maternity colonies are present on the site, provide replacement habitat (if required), and exclude bats during the appropriate time of year (e.g. outside the maternity season from March 1 to August 31). The results of the survey will be documented.

If no signs of bats are detected during the habitat suitability survey, no further surveys are warranted. If signs of bat occupancy (e.g., guano pellets or urine staining) are detected, **Mitigation Measure BIO-2B** shall apply.

Mitigation Measure BIO-2B: If an occupied maternity or colony roost is detected or evidence of bat occupancy is found, the California Department of Fish and Wildlife will be consulted to determine the appropriate mitigation measures, which may include exclusion prior to removal if the roost cannot be avoided, a buffer zone, seasonal restrictions on construction work, construction noise reduction measures, and construction of an alternate roost structure.

Effectiveness: These measures would minimize and/or avoid impacts to roosting bats to less than significant levels.

Implementation: The Applicant and its contractor.

Timing: Pre-construction phase, no less than 30 days before the start of construction-related activities.

Monitoring: Monitoring reports, and exclusion recommendations. The qualified biologist shall prepare a written record of all survey and monitoring results, including the implementation of any avoidance and minimization measures for the Town's review. If bats are detected and an exclusion plan is warranted, the qualified biologist shall prepare the bat exclusion plan, including the exclusion methods and the type of replacement roost habitat to be used. If a replacement roost habitat will be required, it shall be monitored according to California Department of Fish and Wildlife recommendations. The qualified biologist shall prepare a written record of the monitoring results.

Impact BIO-3: The project would remove eight trees protected by the County's Tree Preservation Ordinance. Additionally, other trees not meant for removal could be harmed by ground disturbing activities within the trees' root zone thereby compromising the health of trees to be preserved/maintained on site.

Mitigation Measure BIO-3: In compliance with the County ordinance, the following measures from the Guidelines for Tree Preservation for Land Use Applications shall be implemented.

Pre-construction:

- An arborist shall review final grading/demolition/construction plans and make recommendations regarding preservation of all tress potentially impacted by the proposed project which are designated for preservation.

- If the Arborist concludes, with concurrence from the Planning Department, that the proposed improvements would result in damage and subsequent irreversible loss of additional trees on site, replacement mitigation shall be required.

- Final grading/construction plans shall clearly identify the size and species of all trees proposed for removal, consistent with the Arborist plan review report. For each tree designated for removal, replacement shall occur at the replacement ratios required consistent with the County Code (see Replacement of Trees, below).

Tree Protection

Fencing

- All trees to be retained shall be protected with chain link fencing or other rigid fence enclosure acceptable to the Planning Department. Fenced enclosures for trees to be protected shall be erected at the dripline of trees or as established by the Arborist to establish the Tree Protective Zone (TPZ) in which no soil disturbance is permitted and activities are restricted.

- All trees to be preserved shall be protected with minimum five-foot high fences. Fences are to be mounted on two-inch diameter galvanized iron posts, driven into the ground to a depth of at least two feet, at no more than 10-foot spacing (see detail available at www.scplanning.org). This detail shall appear on grading, demolition, and building plans.

- Tree fencing shall be erected before any demolition, grading or construction begins and remain in place until the Final Inspection.

Warning Signs

- A warning sign shall be prominently displayed on each tree protective fence per the requirements of development pursuant to the Santa Clara County Planning Department. The signs are available at the Planning and Building Inspection Departments or at www.scplanning.org.

Irrigation Program

- Irrigate the soil within the TPZ during the dry season as specified by the Project Arborist.

Dust Control Program

- During periods of extended drought, or grading, spray trunk, limbs and foliage to remove accumulated construction dust.

Soil Compaction Damage/ Mulching

- Compaction of the soil causes a significant impact to trees during construction. If compaction to the upper 12 inches of soil within the TPZ has occurred or is proposed, then one or more of the following mitigation measures shall be implemented as recommended by the Arborist or the County Planning Department.

    - Four-inches of chip bark mulching shall be placed on top of the TPZ and enclosed with the tree protective fencing as prescribed in the County protective fencing measures.

    - If compaction of the root system, may result in possible suffocation of the root system, a soil aeration system shall be installed as designed and specified by an Arborist.

    - Paving/Hardscape and other soil compacting material that encroaches within the TPZ, should include an aeration system designed by an Arborist.

During Construction

- All tree protection measures as recommended by a certified Arborist shall be shown on the final grading/construction or landscape plans and adhered to during construction. The Arborist shall monitor construction activity to ensure that the tree protection measures are implemented, and submit a Construction Observation Letter to the Planning Department for approval, prior to final inspection, summarizing the results of the monitoring activity and resulting health of trees designated for preservation on-site.

Post-Construction Monitoring

- The following may be required based on project specific circumstances: An Arborist shall submit to the Planning Department two copies of a monitoring report annually from the date of final inspection. The report shall show compliance with the tree protection conditions of approval and verification that all trees are in good health.

Replacement of Trees

- The following guidelines shall be imposed as conditions when a proposed development entails removal of trees or may significantly impact the health and vigor of trees within the development area of the proposed project.

    - All healthy native trees 12 inches in diameter or more (at 4.5 feet above the ground) proposed for removal shall be replaced.

    - Replacement trees should be native and like for like.

    - Oak trees shall be replaced with oak trees (no exceptions taken).

    - No tree removal shall be permitted until such grading or building permit has been issued by the County as indicated on approved plans. The number of trees cut may not exceed the minimum number necessary to carry out the permitted action. Additional conditions may need to be established for scheduled arborist reports, and stipulations on replanting replacement trees in the case that the original replacement trees die.

Effectiveness: These measures would minimize and/or avoid impacts related to tree removal to less than significant levels.

Implementation: The County and its contractor.

Timing: Pre-construction, during construction and post-construction.

Monitoring: Prior to construction the County shall require the contractor to submit a tree replacement plan demonstrating compliance with the County's Tree Preservation Ordinance. The tree replacement plan shall include provisions for monitoring recently planted and replacing trees that fail to survive. The Contractor shall also submit a tree protection plan demonstrating protection of trees that will remain in place during construction.

E. CULTURAL RESOURCES							
	IMPACT						
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	Source
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5 of the CEQA Guidelines, or the County's Historic Preservation Ordinance (Division C17 of County Ordinance Code) – including relocation, alterations or demolition of historic resources?	☐	☐	☒	☐	☐	☐	39, 40
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5 of the CEQA Guidelines?	☐	☒	☐	☐	☐	☐	39, 40
c) Disturb any human remains including, those interred outside of formal cemeteries?	☐	☒	☐	☐	☐	☐	39, 40

SETTING:

A records search at the Northwest Information Center was undertaken by MIG, Inc. on July 25, 2020 to identify potential archaeological resources in the current project area. The records search identified P-43-002692, a historic-era cemetery associated with what was formerly the Santa Clara County Infirmary, within the Project area. A report was prepared titled *Excavation of the County Infirmary Cemetery at Santa Clara Valley Medical Center, Santa Clara County, California,* by URS Corporation in April 2015 that describes the historic and archaeological resources associated with the cemetery. The findings of the report are summarized below.

In February 2012, construction crews discovered intact coffins and recovered isolated human skeletal remains during construction of the Receiving and Support Center (RSC) building at SCVMC (across Middle Drive from the BHSC building site). Construction of the RSC building is part of the Seismic Safety Project (SSP) to bring SCVMC into compliance with the Alfred E. Alquist Hospital Facilities Seismic Safety Act of 1983, codified in the Health and Safety Code Section 129675, et seq. The purpose of the bioarchaeological excavation was to (1) remove only those burials that would be impacted by construction of the RSC and associated facilities, (2) identify the physical extent and the period of use of the historic-era cemetery, and (3) to attempt to identify the individuals buried at the cemetery.

From mid-July 2012 through January 2014, URS and its subcontractor, D&D Osteological Services, excavated a total of 998 burials that were identified in situ, that yielded 1,004 individuals. Isolated skeletal remains were also encountered throughout the excavation area and were determined to be associated with a minimum of 13 individuals. Overall, a minimum total of 1,017 individuals were recovered as a result of the excavation project. After analysis in the on-site field laboratory, the remains were transported to the Bioarchaeology Laboratory at San Francisco State University (SFSU),

per a temporary research agreement between SFSU and Santa Clara County (County). The County has since negotiated an agreement with the Department of Anthropology at California State University, Chico (CSUC) to curate the collection for a period of approximately 10 years for additional research. The collection was transferred from SFSU to CSUC in October 2014.

Archival research and an analysis of recovered burial-associated artifacts indicate that the County Infirmary Cemetery was used between approximately 1871 and 1935. Limited archival information and the excavation results indicate that the boundaries of the cemetery extend into Middle Drive in the north, Ginger Lane in the west, appear to coincide with the western edge of the new RSC building in the east, and are anticipated to extend approximately 50 feet south of campus Building W.

Approximately 35% of the anticipated historic extent of the County Infirmary Cemetery was excavated. It is very likely that additional burials and isolated human remains are present in the unexcavated portions of the cemetery, below existing hospital infrastructure (e.g., Ginger Lane). Future hospital development projects may require the removal of these burials. In accordance with the Santa Clara County Superior Court Order Granting Petition for Permission to Remove and Cremate Remains issued May 18, 2012 in case number 112-PR-170569, the County may remove additional associated remains within the identified cemetery in compliance with the Order with a written determination from the SCVMC Director of Facilities that construction of the facility requires such removal.

However, the cemetery site qualifies as a Historical Resource under the California Environmental Quality Act, due to its potential to yield important information (California Register of Historical Resources Criterion 4) regarding demographics and pathology of a segment of the San Jose populace of the late nineteenth and early twentieth centuries, that is not well represented in existing historical literature. As such, it is recommended that an Archaeological Monitoring Plan be developed for future work within the anticipated cemetery boundaries that have not been archaeologically investigated, to ensure that research questions and the historic context of the cemetery are appropriately identified, and that future adverse changes to the site and the burials are adequately mitigated (URS 2015).

SCVMC Campus and Cemetery History

The County purchased the location for what is now the Santa Clara Valley Medical Center in 1871. New hospital buildings, including the main County Infirmary building, were complete in 1876. Between 1912 and 1914, the County Infirmary became known as the Santa Clara County Hospital, and in 1955, the institution adopted its current name. Today, the SCVMC campus encompasses approximately 75 acres, and is the primary hospital and trauma center for the County (URS 2015). The cemetery was most likely laid out and in use after 1871 and historic maps indicate the cemetery was likely in use until sometime between 1935 and 1937, although the URS report indicates the use of the County Infirmary Cemetery was most likely discontinued prior to 1937 (URS 2015). After that, the grounds were re-purposed and used for dwellings, storage buildings, incinerators, an animal lab, and as a dirt, and later paved, parking lot (URS 2015). Newspaper articles indicate that during the 1960s the cemetery was discovered when improvements were being made to the parking lot. According to the article, 30 coffins were found, but records or documentation for the coffins and/or cemetery was not (URS 2015).

On September 28, 2009, a construction crew, working with a backhoe, found what was most likely an intact burial approximately 5.5 feet below the street surface. The human remains were between an established sewer line and an established storm line at the intersection of Clove Drive and Ginger Lane

(URS 2015). The report from the County of Santa Clara Office of the Sheriff noted remnants of wood in the area where the bones were discovered, giving the impression of a wooden coffin. The remains were examined and determined to be historic. The remains were initially given over to the custody of the Medical Examiner. However, on October 23, 2012, the remains were given over to the custody of Dr. Mark Griffin at San Francisco State University (URS 2015).

The exact boundaries of the approximately 2.4-acre "Potters Field" cemetery have not been confirmed through archaeological testing. The few historic maps that illustrate the cemetery depict it along the southwestern extent of the former Infirmary's property. Based on these maps, and observations made throughout the excavation project, the boundaries of the cemetery can be tentatively identified as follows: Middle Drive in the north, Ginger Lane in the west, the eastern boundary appears to coincide with the western edge of the new RSC building, and the southern extent is anticipated to extend approximately 50 feet south of the oldest building on the SCVMC campus, Building W (URS 2015). See Figure 10 Cemetery Boundaries.

As the limits of the historic-era cemetery have not been archaeologically tested, the northern, western, and southern extents have not been completely defined. A County Surveyor map (1929) contains the most illustrative depiction of the cemetery that has been found to date. However, it should only be used as a guide as its accuracy has not been demonstrated. In addition, both historic-era and modern activities have impacted this particular landscape, and those may have altered the extent of the cemetery and displaced burials outside of the originally depicted boundaries (URS 2015).

Based on the results of the 2012 excavation project the cemetery limits probably extend north, possibly into Middle Drive (URS 2015). In addition, the County of Santa Clara Office of the Sheriff (2009) and the County of Santa Clara Office of the Medical Examiner-Coroner (2009) reports, as well as the County Surveyor (1929) map, indicate that the cemetery probably extends westward, into what is now Ginger Lane (URS 2015). Historical maps indicate that the cemetery most likely extends to the south, past Clove Drive and into the adjacent parking lt. The southern boundary of the cemetery most likely extends just south of what is Building W.

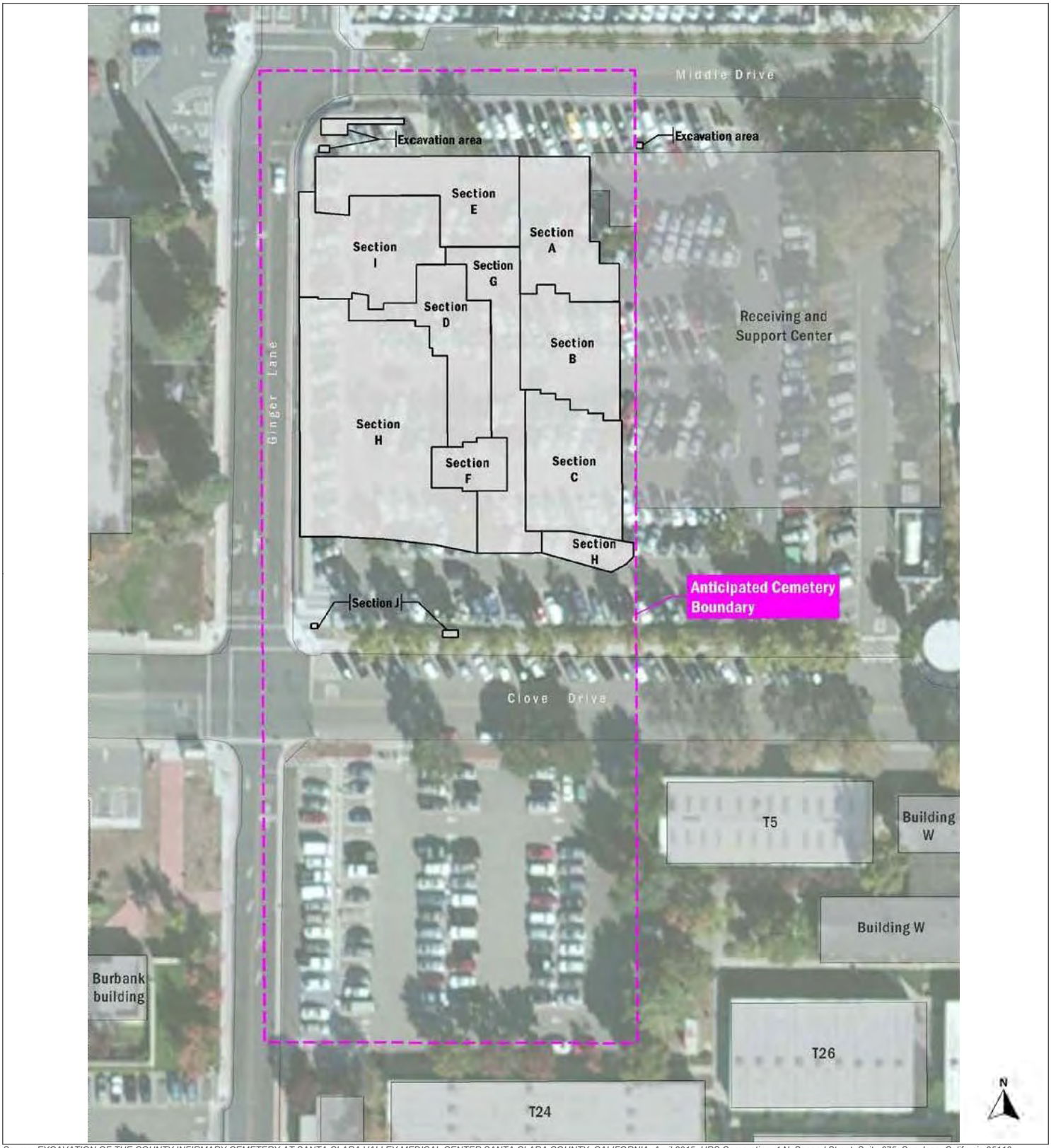
The URS report recommends that a qualified, professional archaeologist should be consulted prior to earth-moving activities that are outside of the bioarchaeologically excavated areas but within or adjacent to the anticipated boundaries of the cemetery.

REGULATORY SETTING

Federal, state, and local laws and regulations governing cultural resources exist to protect cultural, historic, and from damage and destruction. Violation of these laws and regulations would constitute a significant impact to cultural and paleontological resources. The laws and policies that pertain to the cultural resources potentially present on the project site or affected by the project are discussed below.

California Environmental Quality Act

CEQA establishes statutory requirements for the formal review and analysis of projects. CEQA recognizes archaeological resources as part of the environment. A project that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment (PRC §21084.1).



Source: EXCAVATION OF THE COUNTY INFIRMARY CEMETERY AT SANTA CLARA VALLEY MEDICAL CENTER SANTA CLARA COUNTY, CALIFORNIA. April 2015. URS Corporation, 4 N. Second Street, Suite 675, San Jose, California 95113

Figure 10 Approximate Cemetery Boundaries

CEQA guidelines (15064.5(b)(2)) state that the significance of a historical resource is materially impaired when a project:

(A) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that conveys its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources (CRHR).

Historical Resources

Pursuant to CEQA Guidelines Section 15064.5 (a) the term "historical resources" includes the following:

- A resource listed or determined to be eligible by the State Historical Resources Commission for listing, in the CRHR (PRC §5024.1, 14 CCR, §4850 et seq.).

- A resource included in a local register of historical resources, as defined in Public Resources Code Section 5020.1 (k) or identified as significant in a historical resource survey meeting the requirements of Public Resources Code Section 5024.1 (g), shall be presumed historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.

- Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be a historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the CRHR (PRC §5024.1, Title 14 CCR, §4852) including the following:

    a. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;

    b. Is associated with the lives of persons important in our past;

    c. Embodies the distinctive characteristics of type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or

    d. Has yielded, or may be likely to yield, information important in prehistory or history.

- The fact that a resource is not listed in, or determined to be eligible for listing in the CRHR, not included in a local register of historical resources (pursuant to PRC §5020.1(k)), or identified in a historical resources survey (meeting the criteria in PRC §5024.1(g)) does not preclude a lead agency from determining that the resource may be a historical resource as defined by Public Resources Code Section 5020.1(j) or 5024.1.

Unique Archaeological Resources

Pursuant to CEQA Guidelines Section 21083.2(g), a unique archaeological resource is an archaeological artifact, object, or site, about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

- Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information;
- Has a special and particular quality such as being the oldest of its type or the best available example of its type; or
- Is directly associated with a scientifically recognized important prehistoric or historic event or person.

The resource must also be at least 100 years old, possess "substantial stratigraphic integrity" (i.e., is substantially undisturbed); and the resource involves "important research questions that historical research has shown can be answered only with archaeological methods."

To the extent that unique archaeological resources are not preserved in place or not left in an undisturbed state, mitigation measures shall be required (PRC §21083.2(c)). If it is proven that an archaeological resource is neither a unique archaeological nor an historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment, and no further CEQA review is required (14 CCR §15064.5(d)).

National Register of Historic Places Criteria

The National Historic Preservation Act (NHPA) of 1966, as amended, administers the National Register of Historic Places (NRHP), which sets forth evaluation criteria described in 36 CFR Part 60.4. The following criteria are designed to guide the states, federal agencies, and the Secretary of the Interior in evaluating potential entries for the NRHP. The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects that:

A. Are associated with events that have made significant contribution to the broad patterns of our history;

B. Are associated with the lives of persons significant in our past;

C. Embody the distinctive characteristics of a type, period, or method of construction or that represent the work of a master or that possess high artistic values or that represent a significant and distinguishable entity whose components may lack individual distinction;

D. Have yielded, or may be likely to yield, information important in prehistory or history.

The question of integrity is another factor that must be addressed when determining the eligibility of a resource for listing in the NRHP. The Secretary of the Interior describes integrity as "the ability of a property to convey its significance." A property must retain certain intact physical features in order to convey its significance under one or more of the NRHP criteria. Integrity is judged on seven aspects; location, design, setting, workmanship, materials, feeling, and association.

If a particular resource meets one or more of these criteria and retains sufficient integrity to convey its historical significance, it is considered as an eligible "historic property" for listing in the NRHP. Additionally, unless exceptionally significant under *Criteria Consideration G: Properties That Have Achieved Significance Within the Past Fifty Years*, a property must be at least 50 years old to be eligible for listing.

California Register of Historical Resources

The California Office of Historic Preservation (OHP) administers California Register of Historic Resources (CRHR), which was established in 1992 though amendments to the Public Resources Code, as an authoritative guide to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected from substantial adverse change. The CRHR includes resources that have been formally determined eligible for, or listed in,

- The NRHP;
- State Historical Landmark Number 770 or higher;
- Points of Historical Interest recommended for listing by the State Historical Resources Commission;
- Resources nominated for listing and determined eligible in accordance with criteria and procedures adopted by the State Historical Resources Commission; and
- Resources and districts designated as city or county landmarks when the designation criteria are consistent with CRHR criteria.

A resource also has to be at least 50 years old and must possess several of the seven aspects of integrity to be eligible for listing in the NRHP and/or the CRHR. Integrity is defined as "…the authenticity of an historical resource's physical identity evidenced by the survival of characteristics that existed during the resource's period of significance." The seven levels of integrity are location, design, setting, materials, workmanship, feeling, and association. Resources that are listed in the NRHP are automatically eligible for the CRHR (PRC §5024.1(c)).

Both NRHP and CRHR evaluations must be made within an appropriate historic context. A historic context includes three components: a time period, place, and event. A historic context is developed through one or more research themes to help identify the resource's significance at the local, state, or national level. A resources' integrity is based on its ability to convey its significance through data requirements. Data requirements can best be described as evidence found within the archaeological record that conveys the resource's historical significance. If the appropriate data requirements are lacking, the resource arguably lacks significance and is therefore not an eligible resource.

California Public Resources Code

Section 5020.1: California Public Resources Code (PRC) Section 5020.1(q) states that substantial adverse change includes demolition, destruction, relocation, or alteration such that the significance of an historical resource would be materially impaired.

Section 5097.5: Section 5097.5 of the PRC states, "it is illegal for any person to knowingly and willfully excavate or remove, destroy, injure, or deface cultural resources." Furthermore, the crime is a misdemeanor punishable by a fine not to exceed $10,000 and/or county jail time for up to one year.

In addition to a fine and/or jail time, the court can order restitution, and restitution will be granted of the commercial and archaeological value of the property.

Sections 5097.9: Under Section 5097.9 of the PRC, a state policy of noninterference with the free expression or exercise of Native American religion was articulated along with a prohibition of severe or irreparable damage to Native American sanctified cemeteries, places of worship, religious or ceremonial sites or sacred shrines located on public property. Section 5097.91 of the PRC established the NAHC, whose duties include the inventory of places of religious or social significance to Native Americans and the identification of known graves and cemeteries of Native Americans on private lands. Section 5097.98 of the PRC specifies a protocol to be followed when the NAHC receives notification of a discovery of Native American human remains from a county coroner.

California Health and Safety Code

Health and Safety Code Section 7050.5 regulates procedures in the event of human remains discovery. Pursuant to Public Resources Code Section 5097.98, in the event of human remains discovery, no further disturbance is allowed until the County Coroner has made the necessary findings regarding the origin and disposition of the remains. If the remains are determined to be Native American, the County Coroner is required to contact the NAHC. The NAHC is responsible for contacting the most likely Native American descendent, who would consult with the local agency regarding how to proceed with the remains.

Penal Code Section 622.5

Penal Code Section 622.5 provides misdemeanor penalties for injuring or destroying objects of historic or archaeological interest located on public or private lands but specifically excludes the landowner.

Native American Graves Protection and Repatriation Act of 1990

The Native American Graves Protection and Repatriation Act (NAGPRA) of 1990 sets provisions for the intentional removal and inadvertent discovery of human remains and other cultural items from federal and tribal lands. It clarifies the ownership of human remains and sets forth a process for repatriation of human remains and associated funerary objects and sacred religious objects to the Native American groups claiming to be lineal descendants or culturally affiliated with the remains or objects. It requires any federally funded institution housing Native American remains or artifacts to compile an inventory of all cultural items within the museum or with its agency and to provide a summary to any Native American tribe claiming affiliation.

California Native American Graves Protection and Repatriation Act of 2001

Codified in the California Health and Safety Code Sections 8010–8030, the California Native American Graves Protection Act (NAGPRA) is consistent with the federal NAGPRA. Intended to "provide a seamless and consistent state policy to ensure that all California Indian human remains and cultural items be treated with dignity and respect," the California NAGPRA also encourages and provides a mechanism for the return of remains and cultural items to lineal descendants. Section 8025 established a Repatriation Oversight Commission to oversee this process. The act also provides a process for non–federally recognized tribes to file claims with agencies and museums for repatriation of human remains and cultural items.

Assembly Bill 52

Assembly Bill (AB) 52 specifies that a project that may cause a substantial adverse change in the significance of a tribal cultural resource, as defined, is a project that may have a significant effect on the environment. AB 52 requires a lead agency to begin consultation with a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed

project, if the tribe requests in writing to the lead agency, to be informed by the lead agency of proposed projects in that geographic area and the tribe requests consultation, prior to determining whether a negative declaration, mitigated negative declaration, or environmental impact report is required for a project. AB 52 specifies examples of mitigation measures that may be considered to avoid or minimize impacts on tribal cultural resources. The bill makes the above provisions applicable to projects that have a notice of preparation or a notice of negative declaration filed or mitigated negative declaration on or after July 1, 2015. AB 52 amended Sections 5097.94 and adds Sections 21073, 21074, 2108.3.1., 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3 to the PRC, relating to Native Americans.

Santa Clara County has not received an AB 52 consultation request from any tribe.

Division C17 – Santa Clara County Historic Preservation Ordinance

The Santa Clara County Historic Preservation Ordinance is adopted for the preservation, protection, enhancement, and perpetuation of resources of architectural, historical, and cultural merit within Santa Clara County. The County maintains a heritage resource inventory for the identification of historic resources that potentially meet the designation criteria outlined in Article II of Division C17, Chapter 3.50 of the Zoning Ordinance or Division C16 of the County Code or listed in federal or state registers may be added to the heritage resource inventory by the Board of Supervisors with consideration of a recommendation by the Historical Heritage Commission (HHC). The heritage resource inventory shall be kept on file in the Department of Planning and Development and reviewed every five years, and revised if necessary, to ensure that the document remains up to date according to current preservation planning practice. Properties listed in the Inventory are subject to a demolition review process by the HHC and the Board of Supervisors Santa Clara County Code, Division C17, Article IV, Section C17-23. Review is also required in accordance with the CEQA to determine if any significant historic resources will be adversely impacted by proposed projects. In addition, the Planning Office considers proposals for other permits, and the Inventory provides a source for identifying properties that require special consideration in the permitting process.

Santa Clara County General Plan Historic Resource Policies

The Resource Conservation Element of the County General Plan contains goals and policies related to the identification and protection of heritage resources. Heritage resources are those resources, both natural and man-made, which due to their vulnerability or irreplaceable nature deserve special protection if they are to be preserved for current and future generations. The types of resources addressed as heritage resources include historical sites, structures, and areas, and archeological and paleontological sites and artifacts.

The following General Plan policies are relevant to the proposed project:

C-RC 49: Cultural heritage resources within Santa Clara County should be preserved, restored wherever possible, and commemorated as appropriate for their scientific, cultural, historic and place values.

C-RC 50: Countywide, the general approach to heritage resource protection should include the following strategies:1. Inventory and evaluate heritage resources, 2. Preventor minimize adverse impacts on heritage resources, 3. Restore, enhance, and commemorate resources as appropriate.

C-RC 52: Prevention of unnecessary losses to heritage resources should be ensured as much as possible through adequate ordinances, regulations, and standard review procedures. Mitigation efforts,

such as relocation of the resource, should be employed where feasible when projects will have significant adverse impact upon heritage resources.

C-RC 54: Heritage resources should be restored, enhanced, and commemorated as appropriate to the value and significance of the resource.

DISCUSSION:

a) Less than Significant Impact.

Historical Resources

The proposed project will demolish the existing parking structure (PS3), the former Sam Della Maggiore building, and the Don Lowe Pavilion. CEQA considers any structure 50 years old or older as a potential historic resource. The PS3 structure was built in 1998 and the Don Lowe Pavilion was built in 1983 (County, pers. comm.) and neither building is near the age of being considered a historic resource under CEQA. The Sam Della Maggiore building was built in 1970 and meets the age requirements for being considered a historic resource.

CEQA Guidelines Section 15064.5 states: "Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the CRHR (PRC §5024.1, Title 14 CCR, §4852) including the following:

e. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;

f. Is associated with the lives of persons important in our past;

g. Embodies the distinctive characteristics of type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or

h. Has yielded, or may be likely to yield, information important in prehistory or history."

The Sam Della Maggiore building is typical of building construction in the 1970's in Santa Clara County (see Figure 7 for photo of building). It is a two-story, 48,574 sq. ft. building which is rectangular in shape with an inner courtyard open to the sky. The building has a flat roof, a beige exterior with concrete pillars and second-level stone balcony facades. The building has likely had a number of tenants since its construction, but it is known to have been the location of the Sam Della Maggiore school before the SCVMC started using it for administrative office functions. The County does not have a record of it being associated with events that have made a significant contribution to California's history or cultural heritage, or with being associated with persons important in our past. The architectural style of the building is commonly found throughout Santa Clara County and does not present distinctive characteristics. The building is unlikely to yield information important to history. Demolition of the Sam Della Maggiore building would not result in a significant impact on a historic resource.

b, c) Less than Significant with Mitigation.

Archaeological Resources and Human Remains

The County Infirmary Cemetery is located directly to the south of the main area of the project site (see Figure 10 Approximate Cemetery Boundaries). The tunnel, sky bridge, and elevator/stair tower are located south of Middle Drive, and to the east of the cemetery. The new parking structure will be located across Ginger Lane for the mapped boundary of the cemetery. Utility improvements would occur in Middle Drive.

The exact boundaries of the approximately 2.4-acre cemetery have not been confirmed through archaeological testing. The few historic maps that illustrate the cemetery depict it along the southwestern extent of the former Infirmary's property. Based on these maps, and observations made throughout the excavation project, the boundaries of the cemetery can be tentatively identified as follows: Middle Drive in the north, Ginger Lane in the west, the eastern boundary appears to coincide with the western edge of the Receiving and Support Center building, and the southern extent is anticipated to extend approximately 50 feet south of the oldest building on the SCVMC campus, Building W. Additionally, trenching and utilities may be required on Middle Drive, which could occur within the current mapped boundaries of the cemetery.

The project spans the assumed boundaries of the cemetery with the BHSC site located north of Middle Drive and outside the presumed boundaries of the cemetery. However, the new parking structure, utility improvements in Middle Drive and Ginger Lane, and the new generator enclosure next to the Receiving and Support Center are all located near the boundary of cemetery described in the URS report. The Don Lowe Pavilion site is not near the cemetery boundary and would have a lower potential to uncover unknow human remains associated with the early County Infirmary. It also should be noted that the URS report states that the illustrated boundary of the cemetery:

> *"…should only be used as a guide as its accuracy has not been demonstrated. In addition, both historic-era and modern activities have impacted this particular landscape, and those may have altered the extent of the cemetery and displaced burials outside of the originally depicted boundaries."*

As stated by URS, there is a high potential for the discovery of whole or fragmented human remains within the cemetery boundary. Also noted by URS, the boundary of the historic cemetery is uncertain and may be larger than currently mapped. A final point made by URS is that human remains could exist outside the cemetery boundary due to previous modern era disturbances.

Using the average elevation data from the URS report, in general the burials occurred between four and seven feet below the campus elevation of 148.55 feet above sea level. The majority of the burials were around five feet below elevation. However, isolated bones could be discovered at much shallower depths due to disturbance.

This indicates that the BHSC project has a high potential of discovering human remains either because the boundary of the cemetery extends slightly further north and west than is currently mapped for one or more reasons given above and extends into the project area, or because of previous ground disturbances that have moved human remains and associated artifacts (likely to be disassociated) to within the project area. Because of the high likelihood of encountering human remains near the intersection of Middle Avenue and Ginger Lane, the County is undertaking a Ground Penetrating Radar (GPR) study of this area to get a better understanding of the conditions that may be encountered

during construction. This study will be completed prior to any ground disturbing activities the County would initiate for this project. If the GPR study identifies potential graves or human remains within the project boundaries, the County would undertake the removal of the remains as described in Mitigation Measure CUL-1 below.

URS (2015) provided multiple recommendations for the project. They are summarized below for clarity and to highlight the salient points of the recommendations:

- If any further ground-disturbing work is to occur in the vicinity of the northern bioswale (including minor work such as landscaping, post hole digging, etc.) it is recommended that an archaeological monitor be present to determine whether or not such activities will impact the burials and whether or not these burials should be bioarchaeologically excavated.
- If ground disturbance or earth-moving work is ever anticipated in the South Parking Lot Area, a qualified, professional archaeologist should be consulted.
- A qualified, professional archaeologist should be consulted prior to earth-moving activities that are adjacent to the anticipated boundaries of the cemetery.
- If human remains are encountered during construction, all work in that area must halt and the County Coroner must be contacted. If the human remains encountered are associated with the County Infirmary Cemetery, then they may be removed, if required. The County may consider consulting a qualified, professional archaeologist before starting work within or adjacent to the anticipated cemetery boundaries, to obtain recommendations on how to proceed.
- The creation of Archaeological Monitoring Plan may assist the County in meeting its obligations under CEQA to ensure that effects to Historical Resources are minimized and/or mitigated.
- Curation of the burial associated artifacts, either temporary or permanent, would provide researchers with the opportunity to better document and understand this particular population.

The cemetery is eligible for inclusion for both the California Register of Historical Resources (CRHR) and the National Register of Historic Places (NRHP) under Criteria 4 and D, respectively. This qualifies the cemetery as a historic resource under CEQA.

Excavation within the cemetery, or excavation of human remains once associated with the cemetery without appropriate mitigation could impact a historic resource, which would be a significant impact under CEQA. As noted above the boundaries of the cemetery are not certain, and human remains could exist outside of the cemetery boundaries. Therefore, the project has the potential to have a significant impact under CEQA. Mitigation Measure CUL-1 is recommended to reduce potentially significant impacts to less than significant levels.

MITIGATION:

Impact CUL-1: Project construction could encounter graves (human remains) and other archaeological artifacts in the County Infirmary Cemetery associated with the early operation of the County Infirmary.

Mitigation Measure CUL-1: Archaeological Treatment Plan. Prior to any ground disturbing activities associated with the proposed project, the County shall prepare an Archaeological Treatment Plan (ATP) by a qualified archaeologist. The ATP shall include, but not be limited to, the following measures:

Subsurface Exploration. Prior to any ground disturbing activities associated with the proposed project, the County shall complete the Ground Penetrating Radar (GPR) survey currently underway. If

any potential graves or human remains are identified, the excavation and removal of the graves/remains shall be done according to the Archaeological Treatment Plan (ATP) prepared by a qualified archaeologist.

Construction Document Notification. The ATP shall specify the requirements for the County to place notification on any construction drawings or plans that relate to ground disturbance that there is potential for exposing unknown, buried cultural resources.

Notification and Training Regarding Potential Archaeological Resources. The ATP shall specify procedures for construction worker training by a qualified Archaeologist. Training should be provided to all personnel working on earthmoving activities in the vicinity of the mapped boundaries of the County Infirmary Cemetery to alert them to the possibility of exposing significant archaeological resources and human remains. The briefing shall describe the types of archaeological objects that could be exposed, the need to stop excavation at the discovery, and the procedures to follow regarding discovery protection and notification of the project proponent and archaeologist. A record of the training(s) shall be provided to the County.

Archaeological Monitor. The ATP shall specify when full-time archaeological monitor(s) shall be present on site for all ground disturbing and excavation activities taking place within the project area. The archaeological monitor(s) shall have the authority to stop work should archaeological resources be discovered.

Evaluation of Discoveries. The ATP shall specify that in the event that archaeological materials are exposed or discovered during subsurface activities, activities within 50 feet of the find shall stop, and a Professional Archaeologist who meets the Secretary of the Interior's standards shall conduct an evaluation of the discovery and make further recommendations. The archaeologist shall review and evaluate any discoveries to determine if they are historical resource(s) under CEQA and/or unique archaeological resources. If the Professional Archaeologist determines that any cultural resources constitute a significant archaeological resource, he/she shall notify the County's construction manager, County project management staff, and the County Planning Department of the evaluation and recommended measures for handling the find. If a discovery is determined to be a significant archaeological resource, and if avoidance of the resource is not possible, the Professional Archaeologist shall prepare and assist in the implementation of a Cultural Resources Management Plan, which must be reviewed and approved of by the County Planning Department, for appropriate treatment of the resource. Potential recommendations could include evaluation, collection, recordation, and analysis of any significant archaeological materials. Treatment of any significant archaeological resources shall be undertaken in accordance with the Cultural Resources Management Plan and approved by the Professional Archaeologist.

Discovery and Treatment of Human Remains. The ATP shall specify that if human remains are discovered during construction, CEQA Guidelines 15064.5(e)(1) and the shall be followed, as described below:

In the event of the accidental discovery of any human remains, the following steps shall be taken:

1) There shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until:

a) As required by County Ordinance No. B6-18, the County Coroner shall be notified immediately; and

b) If the coroner determines the remains to be Native American:

1. Upon determination by the County Coroner that the remains are Native American, the coroner shall contact the California Native American Heritage Commission within 24 hours, pursuant to subdivision (c) of section 7050.5 of the Health and Safety Code and the County Coordinator of Indian affairs.

2. The Native American Heritage Commission shall identify the person or persons it believes to be the most likely descended from the deceased Native American;

3. The most likely descendent may make recommendations to the County or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resources Code Section 5097.98.

2) Where the following conditions occur, the landowner or his authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance.

4. The Native American Heritage Commission is unable to identify a most likely descendent or the most likely descendent failed to make a recommendation within 48 hours after being notified by the Commission;

5. The descendant identified fails to make a recommendation; or

6. The landowner or his authorized representative rejects the recommendation of the descendant, and the mediation by the Native American Heritage Commission fails to provide measures acceptable to the landowner.

In addition, as required by the Santa Clara County Superior Court Order Granting Petition for Permission to Remove and Cremate Remains issued May 18, 2012 (Case No. 112-PR-170569), if human remains are determined to be associated with the County Infirmary Cemetery, the remains shall not be moved until a written determination by the SCVMC Director of Facilities that construction of the facility requires removal of the remains has been acquired by the County and/or its contractor. The ATP shall include treatment for human remains discovered similar to the treatment of remains previously exhumed, using the same or similar methodology, and curation methods.

Effectiveness: These measures would minimize and/or avoid impacts related archaeological resources to less than significant levels. (CEQA Guidelines § 15126.4(b)(3)(C).

Implementation: The County and its contractor.

Timing: Pre-construction and during construction.

Monitoring: Prior to construction the County shall require a report of the subsurface investigation determining whether there is detectable evidence of the County Infirmary Cemetery within the project boundaries. The ATP shall specify which activities require the preparation of a monitoring report. All reports will be submitted to the County Planning Director for review.

F. ENERGY							
	IMPACT						
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	Source
a) Result in potentially significant environmental impact do to wasteful, inefficient, or unnecessary construction of energy resources during project consumption or operation?	☐	☐	☒	☐	☐	☐	3, 5, 45 – 48, 83
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☐	☒	☐	☐	5, 45 – 48, 83

SETTING:
Energy consumption is closely tied to the issues of air quality and greenhouse gas (GHG) emissions, as the burning of fossil fuels and natural gas for energy has a negative impact on both, and petroleum and natural gas currently supply most of the energy consumed in California.

In general, California's per capita energy consumption is relatively low, in part due to mild weather that reduces energy demand for heating and cooling, and in part due to the government's proactive energy-efficiency programs and standards. According to the California Energy Commission's (CEC) 2015 Integrated Energy Policy Report, Californians consumed about 280,500 gigawatt hours (GWh) of electricity in 2014 and 13,240 million British thermal units (BTU) of natural gas in 2013. The CEC estimates that by 2025, California's electricity consumption will reach between 297,618 GWh and 322,266 GWh, an annual average growth rate of 0.54 to 1.27 percent, and natural gas consumption is expected to reach between 12,673 million and 13,731 million BTU by 2024, an average annual growth rate of -0.4 to 0.33 percent (CEC 2015).

In 2019, total electricity use in Santa Clara County was 16,664 million kilowatt hours (kWh), including 12,852 million kWh of consumption for non-residential land uses (CEC 2020a). Natural gas consumption was 459 million therms in 2019, including 215 million therms from non-residential uses (CEC 2020b).

Energy conservation refers to efforts made to reduce energy consumption to preserve resources for the future and reduce pollution. It may involve diversifying energy sources to include renewable energy, such as solar power, wind power, wave power, geothermal power, and tidal power, as well as the adoption of technologies that improve energy efficiency and adoption of green building practices. Energy conservation can be achieved through increases in efficiency in conjunction with decreased energy consumption and/or reduced consumption from conventional energy sources.

DISCUSSION:

a) Less than Significant Impact. Construction activities associated with the proposed project would require the use of heavy-duty, off-road equipment and construction-related vehicle trips that would combust fuel, primarily diesel and gasoline. Heavy-duty construction equipment would be required to comply with CARB's airborne toxic control measures, which restrict heavy-duty diesel vehicle idling

to five minutes. Since petroleum use during construction would be temporary and needed to conduct development activities, it would not be wasteful or inefficient.

Once construction activities have concluded, the proposed project would involve the operation of a new Behavioral Health Center and parking structure. These land uses would consume energy in the form of electricity and natural gas for building processes (e.g., heating and cooling, lighting, etc.) and petroleum products (e.g., gasoline and diesel) associated with vehicle trips to and from the site made by employees and patients. As estimated in CalEEMod, the proposed project is estimated to consume approximately 699,295 kWh of electricity and 665.2 million BTU on an annual basis. Although the proposed project would increase energy demand at the site over the long term, it would do so in an efficient manner. The proposed structures would replace an existing, older parking garage that is less energy efficient than that currently proposed, and the Behavioral Health Center is targeting Gold certification under the Leadership in Energy and Environmental Design (LEED) for Healthcare v4 rating system. Parking structures are not eligible for LEED certification; however, the garage will assist the Behavioral Health Center in gaining additional LEED points by including reduced parking, incorporating design features to accommodate green vehicles, building the garage out of materials that help reduce the heat island effect, and incorporating solar panels on the roof. These measures, which would reduce overall energy consumption associated with project operation, would result in the more efficient use of energy; it would not be wasteful or unnecessary. In addition, the Traffic Analysis prepared for the project by Hexagon Transportation Consultants concluded that implementation of the project would result in fewer vehicle miles traveled at the Santa Clara Valley Medical Center under project conditions than under existing conditions (Hexagon, 2021). As such, project implementation would also assist in reducing petroleum consumption at the Santa Clara Valley Medical Center. As such, the proposed project's energy consumption would not be wasteful, inefficient, or unnecessary. This impact would be less than significant.

b) No Impact. The proposed project would not conflict with nor obstruct a state or local plan adopted for the purposes of increasing the amount of renewable energy or energy efficiency. As discussed under response a), the proposed project is seeking LEED Gold certification under the Healthcare v4 rating system. The project would be consistent with County Board of Supervisors Policy Manual Policy 7.14, which requires buildings over 5,000 sq. ft. be designed to meet LEED Silver standards and that capital projects are encouraged to strive for higher than Silver standard when possible (County of Santa Clara, 2018). Furthermore, as described in Section H, Greenhouse Gas Emissions, the proposed project would not conflict with the County's Climate Action Plan. The proposed project would not conflict with nor obstruct a state or local plan adopted for the purposes of increasing the amount of renewable energy or energy efficiency. No impact would occur.

MITIGATION:

None required.

G. GEOLOGY AND SOILS							
	IMPACT						
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	**Source**
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury or death involving:	☐	☐	☐	☐	☐	☐	
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☐	☒	☐	☐	49. 50
ii) Strong seismic ground shaking?	☐	☐	☐	☐	☐	☒	6, 49, 50
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☐	☐	☐	☒	6, 17c, 17n, 49, 50
iv) Landslides	☐	☐	☐	☒	☐	☐	6, 13, 49, 50
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☐	☐	☐	☒	6, 10, 12, 14, 49, 50
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☐	☐	☐	☒	3, 17c, 49, 50
d) Be located on expansive soil, as defined in the report, *Soils of Santa Clara County*, creating substantial direct or indirect risks to life or property?	☐	☐	☐	☐	☐	☒	14, 17c
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒	☐	☐	3, 6
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐	☐	☐	4, 5, 50

SETTING:

The SCVMC campus is located in the Santa Clara Valley which is surrounded by the Santa Cruz Mountains and Diablo Range. The Coastal Ranges of the Santa Cruz Mountains are northwest trending

and include the active San Areas fault. The Diablo Range contains the Hayward and Calaveras faults. The Foothill Thrust fault system is the closest fault system to the project area. It is a series of southwest dipping thrust faults that are located along the front of the Santa Cruz Mountain range. The Monte Vista-Shannon and Sargent faults are the primary active faults in this system. The valley areas are filled by alluvial depositions that wash from the Santa Cruz Mountains and the Diablo Range. These deposits make up the region's groundwater basin with a maximum depth of approximately 1,500 feet.

A Geotechnical and Engineering Geologic Report was prepared for the project (URS, 2020). This report was completed to provide insight about the subsurface conditions that underlie the project geologic setting, foundation systems that would be compatible with those conditions, and construction consideration.

The project sites are flat with little to no topography and are located at elevations between 140 – 145 feet MSL. The native subsurface conditions of the project sites are similar. Per the URS report (see Appendix D, subsection 5.2), the BHSC site contains compressible shallow soils between 0-15 feet that are comprised of medium to very stiff clays as well as loose to medium dense granular soils. Between the depths of 15-40 feet, the site contains moderately compressible soils comprised mostly of still lean clays and some sand. At depths of 45-85 feet, the BHSC site contains relatively incompressible soils comprised of very dense sand and alluvial soils. The URS report also describes that groundwater in the project area was encountered at depths between 71 and 80.5 feet during previous drill pier installations.

The URS geotechnical report state that the are no Alquist-Priolo zones mapped in the vicinity of the project site and that the closest seismic fault is the Monte-Vista/Shannon fault, which is approximately 5 miles southwest of the project. Figure 11 - Active Faults in the Region shows Bay Area faults shows active faults.

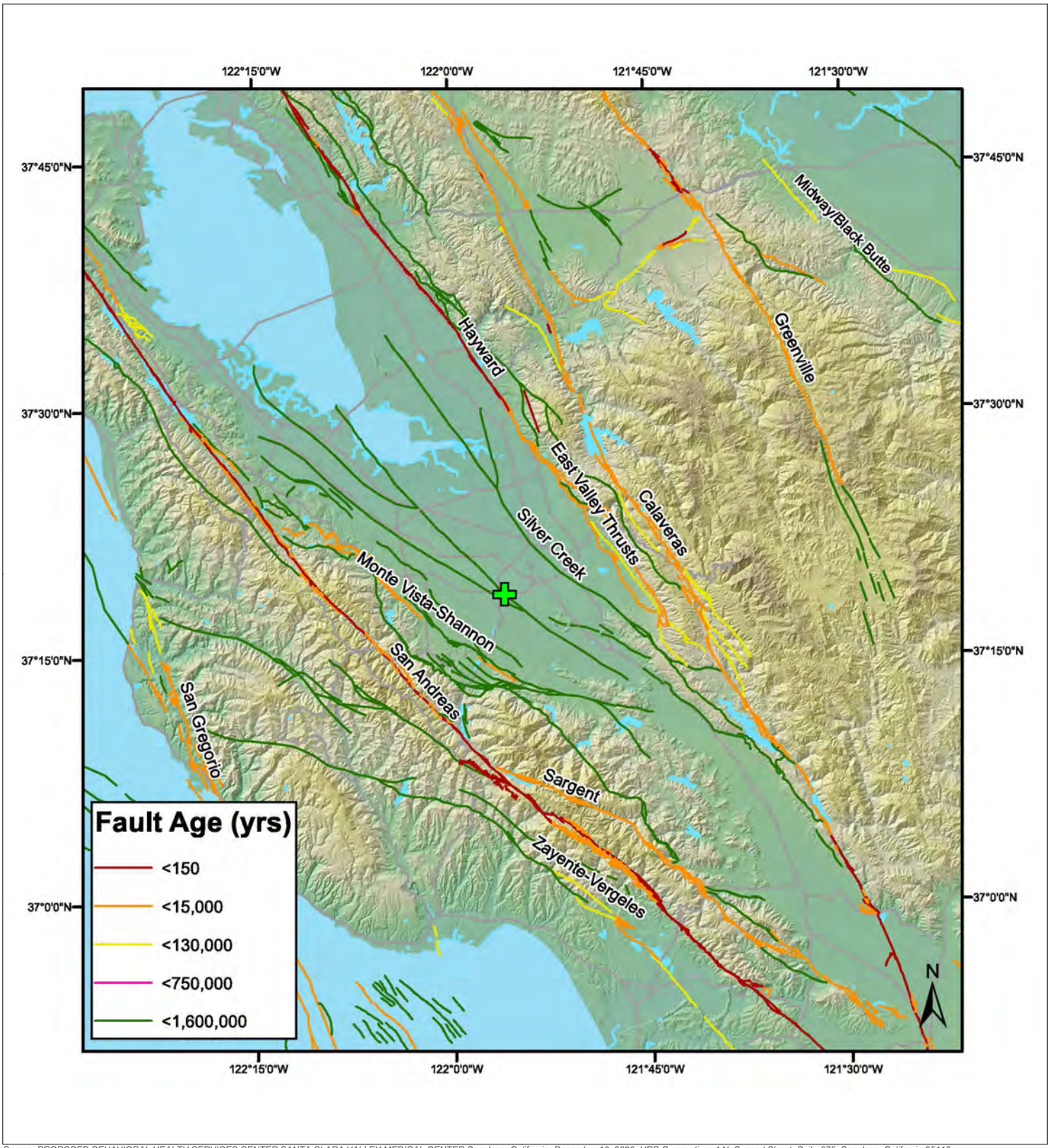
The project site is also at low risk of liquefaction due to the low groundwater depth. The project site is also at low risk of landslides due to the vicinity's very flat terrain. Furthermore, the project site is located outside of 100-year FEMA flood zones, tsunami/seiche areas, or mapped active volcanic areas.

The County of Santa Clara Geologic Ordinance (Ordinance Code Sections C12-600 though C12-624) establishes requirements for geologic evaluation of the project based on the proposed land use and geologic hazard zones.

DISCUSSION:

a) i) **No Impact**. According to the URS Geotechnical Report, there are no Alquist-Priolo zones mapped in the vicinity of the site.

a) ii) **Substantially Mitigated by Uniformly Applicable Development Policies**. A site-specific geotechnical report has been prepared by the project (URS 2020) identifying geologic and seismic hazards that might affect the project sites was conducted. The closest quaternary seismic fault is the



Source: PROPOSED BEHAVIORAL HEALTH SERVICES CENTER SANTA CLARA VALLEY MEDICAL CENTER San Jose, California. December 10, 2020. URS Corporation, 4 N. Second Street, Suite 675, San Jose, California 95113

Figure 11 Active Faults in Site Regions

Monte-Vista/Shannon fault, located about 5 miles southwest of the site (URS 2020). All report recommendations shall be incorporated into project plans, specifications, and construction documents. Specifically, to prevent seismic failure given the relatively low strength topsoil profile, the Structural Engineer has elected to support structures with drilled straight shaft piers. This construction technique has been successfully implemented at other buildings on the SCVMC campus and are considered compatible with the prevailing subsurface conditions. By applying appropriate engineering practices, potential injury and damage from seismic activity can be diminished by exposing fewer people and less property to the effects of a major earthquake. The design and construction of new structures are subject to engineering standards of the California Building Code (CBC), which consider soil properties, seismic shaking, and foundation type.

The project must be designed and constructed consistent with California Building Code (CBC) regulations for seismic safety. The County would review project plans prior to the issuance of a building permit, and the project would be subject to inspection by the County prior to the issuance of an occupancy permit. Standard development policies require that building permits be obtained for all construction and that the project meet all standard seismic and soil test/compaction requirements. In addition, California's Office of Statewide Health Planning and Development (OSHPD) regulates the design and construction of healthcare facilities to ensure they are built safely. The County will be required to complete a plan review process with OSHPD that would further ensure the facility is built to meet seismic standards. For these reasons, the potential impact from strong seismic ground shaking would be less than significant.

a) iii), c), d) Substantially Mitigated by Uniformly Applicable Development Policies. The project site is not within the mapped Santa Clara County Liquefaction Hazard Zone or the California Geological Survey Liquefaction hazard zone. The risk of liquefaction at the site is considered low due to the groundwater depth and relatively flat topography. The interbedded lenses and layers of cohesionless soil within the top 15 feet of the soil profile are susceptible to seismically induced "dry sand" settlement. However, as noted above, a project specific Geotechnical Report was prepared during the design phase of the project and all report recommendations shall be incorporated into project plans, specifications, and construction documents. The project would have a less than significant impact related to ground failure, lateral spreading, subsidence, liquefaction or collapse.

a) iv) No Impact. The project site is located in a flat area and is not near topographical features that are prone to landslides. The project site is not mapped within the Santa Clara County Landslide Hazard Zone nor the California Geological Survey Earthquake-Induced Landslide hazard zone.

b) Substantially Mitigated by Uniformly Applicable Development Policies. The project disturbs over one acre of area and is therefore required to obtain coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity, Construction General Permit Order 2009-0009-DWQ. Construction activity subject to this permit includes clearing, grading and disturbances to the ground such as stockpiling, or excavation. The Construction General Permit requires the development of a Storm Water Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer (QSD). Implementation of the SWPPP during construction would prevent substantial erosion or loss of topsoil. Once constructed, the entire area would be paved except for landscaping areas and stormwater control features. The project would also require a grading permit which will require that grading plans be reviewed for conformance with the County's Grading Manual and BMPs. This process would ensure no over compaction or over-covering of soil will occur. The development of a comprehensive SWPPP would reduce project impacts to soil erosion to less than significant.

e) No Impact. The project would connect to existing sanitary sewer infrastructure and does not propose alternative wastewater disposal systems or septic tanks.

f) Less Than Significant with Mitigation. Paleontological resources, or fossils, are any evidence of past life, including remains, traces, and imprints of once-living organisms preserved in rocks and sediments and provide information about the history of life on earth dating back billions of years ago. According to the Society of Vertebrate Paleontology, significant paleontological resources include fossils of identifiable vertebrate fossils, large or small, uncommon invertebrate, plant, and trace fossils. Fossils are nonrenewable paleontological resources that are afforded protection by federal, State, and local environmental laws and regulations (Paleontological Resources Preservation Act). Accordingly, the potential of a particular area to produce a valuable paleontological resource is largely dependent on the geologic age and origin of the underlying rocks.

The URS Geotechnical Report (URS 2020) determined that subsurface soils consisted of complexly interbedded lenses of younger and older alluvial soils that include silty to clayey sand, poorly graded sand, silty and sandy clays, gravelly sands and sandy gravel. Subsurface exploration data demonstrate that there are substantial variations in the type and physical characteristics of the subsurface materials, both laterally and vertically. No attempt has been made to correlate the soil units between explorations on these figures due to the substantial soil type variations encountered in individual borings and CPTs. However, an approximate contact between the younger alluvium and older alluvium is shown on the profiles. In general, the upper 5 to 40 feet of younger Holocene alluvium consists of interbedded, stiff to very stiff silty clay and medium dense to dense silty sand and clayey sand with occasional gravel lenses. Some of these materials in the upper 10 feet may also have been fill soils from past grading activity and earlier site development. Below a depth ranging from about 35 to 45 feet, older Quaternary alluvium was encountered consisting of interbedded, dense silty sand, poorly graded sand, and sandy to poorly graded gravel. Hard silty clay lenses and interbeds are also common within this lower alluvium unit as shown on the geologic profiles. These older alluvial soils are relatively incompressible.

Although unlikely, deeper project excavations including excavation of the BHSC basement and the tunnel could encounter paleontological resources. Mitigation measure GEO-1 has been recommended to reduce potential impacts to paleontological resources to less than significant.

MITIGATION:

Impact GEO-1: Project construction, particularly excavation of the BHSC basement, could unearth paleontological resources, including fossils.

Mitigation Measure GEO-1: Paleontological Resources. If paleontological resources are discovered during construction, ground-disturbing activities shall halt immediately until a qualified paleontologist can assess the significance of the discovery. Depending on determinations made by the paleontologist, work may either be allowed to continue once the discovery has been recorded, or if recommended by the paleontologist, recovery of the resource may be required, in which ground-disturbing activity within the area of the find would be temporarily halted until the resource has been recovered. If treatment and salvage is required, recommendations shall be consistent with Society of Vertebrate Paleontology guidelines and current professional standards.

The County will ensure that information on the nature, location, and depth of all finds is readily available to the scientific community through university curation or other appropriate means.

Effectiveness: This measure would reduce impacts on paleontological resources to less than significant.

Implementation: The County and/or its contractor(s) shall implement this measure in the event any paleontological resources are discovered.

Timing: During all earth disturbing phases of project construction.

Monitoring: If paleontological resources are uncovered, a report shall be prepared by the qualified paleontologist describing the find and its deposition.

H. GREENHOUSE GAS EMMISSIONS							
	IMPACT						
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	Source
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐	☐	☐	30, 31, 62-69, 83
b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐	☐	☐	30, 31, 62-69, 83

SETTING:

Gases that trap heat in the atmosphere and affect regulation of the Earth's temperature are known as greenhouse gases (GHGs). Many chemical compounds found in the earth's atmosphere exhibit the GHG property. GHGs allow sunlight to enter the atmosphere freely. When sunlight strikes the earth's surface, it is either absorbed or reflected back toward space. Earth that has absorbed sunlight warms up and emits infrared radiation toward space. GHGs absorb this infrared radiation and "trap" the energy in the earth's atmosphere. Entrapment of too much infrared radiation produces an effect commonly referred to as "Global Warming", although the term "Global Climate Change" is preferred because effects are not just limited to higher global temperatures.

GHGs that contribute to climate regulation are a different type of pollutant than criteria or hazardous air pollutants because climate regulation is global in scale, both in terms of causes and effects. Some GHGs are emitted to the atmosphere naturally by biological and geological processes such as evaporation (water vapor), aerobic respiration (carbon dioxide), and off-gassing from low oxygen environments such as swamps or exposed permafrost (methane); however, GHG emissions from human activities such as fuel combustion (e.g., carbon dioxide) and refrigerants use (e.g., hydrofluorocarbons) significantly contribute to overall GHG concentrations in the atmosphere, climate regulation, and global climate change.

Human production of GHG has increased steadily since pre-industrial times (approximately pre-1880) and atmospheric carbon dioxide concentrations have increased from a pre-industrial value of 280 parts per million (ppm) in the early 1800's to 414 ppm in December 2020 (NOAA, 2021). The effects of increased GHG concentrations in the atmosphere include climate change (increasing temperature and shifts in precipitation patterns and amounts), reduced ice and snow cover, sea level rise, and acidification of oceans. These effects in turn will impact food and water supplies, infrastructure, ecosystems, and overall public health and welfare.

The 1997 United Nations' Kyoto Protocol international treaty set targets for reductions in emissions of four specific GHGs – carbon dioxide, methane, nitrous oxide, and sulfur hexafluoride – and two groups of gases – hydrofluorocarbons and perfluorocarbons. These GHGs are the primary GHGs emitted into the atmosphere by human activities. The six common GHGs are described below.

Carbon Dioxide (CO_2). CO_2 is released to the atmosphere when fossil fuels (oil, gasoline, diesel, natural gas, and coal), solid waste, and wood or wood products are burned.

Methane (CH_4). CH_4 is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from the decomposition of organic waste in municipal solid waste landfills and the raising of livestock.

Nitrous oxide (N_2O). N_2O is emitted during agricultural and industrial activities, as well as during combustion of solid waste and fossil fuels.

Sulfur hexafluoride (SF_6). SF_6 is commonly used as an electrical insulator in high voltage electrical transmission and distribution equipment such as circuit breakers, substations, and transmission switchgear. Releases of SF_6 occur during maintenance and servicing as well as from leaks of electrical equipment.

Hydrofluorocarbons (HFCs) and perfluorocarbons (PFCs). HFCs and PFCs are generated in a variety of industrial processes.

GHG emissions from human activities contribute to overall GHG concentrations in the atmosphere and the corresponding effects of global climate change (e.g., rising temperatures, increased severe weather events such as drought and flooding). GHGs can remain in the atmosphere long after they are emitted. The potential for a GHG to absorb and trap heat in the atmosphere is considered its global warming potential (GWP). The reference gas for measuring GWP is CO_2, which has a GWP of one. By comparison, CH_4 has a GWP of 25, which means that one molecule of CH_4 has 25 times the effect on global warming as one molecule of CO_2. Multiplying the estimated emissions for non-CO_2 GHGs by their GWP determines their carbon dioxide equivalent (CO_2e), which enables a project's combined global warming potential to be expressed in terms of mass CO_2 emissions. GHG emissions are often discussed in terms of Metric Tons of CO_2e, or $MTCO_2e$.

County of Santa Clara Climate Action Plan for Operations and Facilities

The County of Santa Clara Climate Action Plan for Operations and Facilities (CAP) was adopted by the Board of Supervisors (BOS) on September 29, 2009. The CAP focuses on County operations, facilities and employee actions to reduce GHG emissions, energy and water consumption, solid waste generation (County of Santa Clara, 2009).

The CAP's three goals are to:

- Stop increasing the amount of GHG emissions generated by County operations by 2010;
- Decrease GHG emissions by 10% every 5 years from 2010 – 2050; and
- Reach an 80% reduction in GHG emissions by 2050.

Although the CAP set forth GHG emissions reduction goals for 2050 (and five-year increments between 2010 and 2050), the CAP's primary focus was to identify strategies to reduce GHG emissions by 2015. The CAP identified 12 recommendations related to policy and programmatic changes; six of the recommendations involved continued implementation of strategies that were already underway by departments and the remaining six involved new actions implemented by the County. These recommendations are provided below:

Already Underway in 2009 by County Departments

1. Complete and implement the Environmentally Preferable Purchasing Policy.
2. Revise and implement the Green Building Policy for County building.
3. Implement the Utility Data Management System for all facilities and the Asset Works for all fleet vehicles.
4. Complete the telecommuting policy and program; roll out to all interested departments.
5. Integrate the three Green IT Strategies into the Countywide Three-Year IT Plan.
6. Establish a 75% waste diversion goal for facilities and parks.

New Actions

7. Develop a No Idling Policy.
8. Develop a simplified GHG calculation process for fiscal years, with 2009/10 being the first one to report. Establish data tracking systems in affected departments.
9. Develop Best Practices guidelines for refrigerants, septic systems, water transport and closed landfill emissions, as needed.
10. Establish a new Board Policy that allows utility savings resulting from approved energy, water, and waste projects to accrue to Energy Holding Accounts, consistent with existing BOS Policy 4.14.
11. Establish a LEED EBOM program for facilities that can be implemented incrementally as funding allows.
12. Develop a long-term water reduction plan.

County of Santa Clara Green Building Policy Building for County Government Buildings

County of Santa Clara Board of Supervisors Policy Manual Chapter 7, Policies on Land Use and Environment, Policy 7.14, Green Building Policy for County Government Buildings, requires County buildings over 5,000 sq. ft. be designed to meet LEED Silver certification standards and that capital projects are encouraged to strive for higher than Silver certification standard when possible (County of Santa Clara, 2018).

DISCUSSION:

a) Less Than Significant Impact. The proposed project would generate GHG emissions from both short-term construction and long-term operational activities. Construction activities would generate GHG emissions primarily from equipment fuel combustion as well as worker, vendor, and haul trips to and from the project sites during demolition, grading/excavation, building construction, paving, and architectural coating activities. Construction activities would cease to emit GHGs upon completion, unlike operational emissions that continue year after year until the commercial building constructed as part of project closes or ceases operation. Once operational, the proposed project would generate GHG emissions from the area, energy, and mobile sources described in Section C, Air Quality, as well as water use and wastewater generation, and solid waste generation.

The BAAQMD maintains a 1,100 $MTCO_2e$ operational GHG threshold for non-stationary sources (BAAQMD, 2017a). The 1,100 $MTCO_2e$ GHG threshold was established by the BAAQMD to align project's GHG emissions with state-wide goals for 2020. Since the proposed project is estimated to become fully operational in 2023 (i.e., three years after 2020), the 1,100 $MTCO_2e$ threshold is not directly applicable to the proposed project. Instead, an interpolated project-specific goal of 660 $MTCO_2e$ is used in addition to the 1,100 $MTCO_2e$ operational GHG threshold, since it takes the

BAAQMD's recommended 2020 threshold and adjusts it downward for the State's next codified GHG reduction goal for 2030 (i.e., 40% below 1990 levels by 2030; SB 32).[9]

The BAAQMD has not adopted a threshold of significance for construction-related GHG emissions. The BAAQMD's CEQA Air Quality Guidelines do, however, encourage lead agencies to quantify and disclose construction-related GHG emissions, determine the significance of these emissions, and incorporate BMPs to reduce construction-related GHG emissions. Accordingly, construction-related GHG emissions are amortized over the lifetime of the proposed Project (presumed to be a minimum of 30 years). This normalizes construction emissions so that they can be grouped with operational emissions and compared to appropriate thresholds, plans, etc.

GHG emissions from construction and operation of the proposed project were estimated using CalEEMod, version 2016.3.2, based on default data assumptions contained in CalEEMod, with the project-specific modifications described in Section C, Air Quality, as well as the following adjustments to default model assumptions related to GHG emissions:

- **Energy Use and Consumption.** Pacific Gas and Electric (PG&E) provides electricity service at the project site. CalEEMod's default GHG emission intensity values for PG&E are from 2008 and do not reflect a cleaner electrical grid that has come about through the implementation of the State's Renewable Portfolio Standards. As such, the model's default GHG default assumptions regarding energy use were adjusted as follows:
    - The CO_2 GHG intensity factor utilized in the modeling is based on PG&E's carbon intensity factor from 2018; 206 pounds/megawatt-hour (lbs/MWh) (PG&E, 2020).
    - Electricity generation emission factors for CH_4 (0.027 lbs/MWh) and N_20 (0.004 lbs/MWh) were obtained from the U.S. EPA's eGRID database for year 2018, the last year for which data was available at the time this Initial Study was prepared (U.S. EPA, 2020).
- **Water Consumption and Wastewater Treatment.** CalEEMod default water consumption values were updated to reflect the behavioral health center is estimated to consume approximately 3,850 gallons per day (1.4 million gallons per year) (see Section 4 in the Project Description).

The project's estimated construction and operational GHG emissions are presented below in Table 10.

[9] The 660 MTCO2e/yr goal was developed by taking the 1,100 $MTCO_2e$/yr threshold, which was the threshold to reduce emissions back to 1990 level and reducing it by 40 percent (1,100 $MTCO_2e$/yr * (1 - 0.4) = 660 $MTCO_2e$/yr). This demonstrates the progress required under SB 32. This linear reduction approach oversimplifies the threshold development process. The County is not adopting nor proposing to use 660 $MTCO_2e$ as a CEQA GHG threshold for general use; rather, it is only intended for use on this project.

Table 10. Project Greenhouse Gas Emissions

Source	GHG Emissions (MT/YR)			
	CO_2	**CH_4**	**N_2O**	**Total[A]**
Area	5.9	<0.0[B]	<0.0[B]	6.1
Energy	110.2	<0.0[B]	<0.0[B]	111.0
Mobile	0.0	0.0	0.0	0.0
Solid Waste	14.3	0.8	0.0	35.3
Water/Wastewater	1.2	<0.0[B]	0.0	2.6
Amortized Construction	62.0	<0.0[B]	0.0	62.2
Total[C]	*193.5*	*0.9*	*<0.0[B]*	*217.3*
BAAQMD 2020 Threshold				1,100
Derived 2030 Emissions Goal				660
Exceeds Goal / Threshold				*No*

Source: BAAQMD 2017a, MIG 2020 (See Appendix C.1)
Note:
(A) $MTCO_2e$
(B) <0.0 does not mean emissions are zero; rather, it means emissions are greater than 0.00, but less than 0.05.
(C) Slight variations may occur due to rounding.

As shown in Table 10, development of the proposed project would generate approximately 217.3 $MTCO_2e$ per year, which is below the BAAQMD 2020 GHG threshold and derived project-specific 2030 GHG emissions goal. Therefore, this impact would be less than significant.

b) Less than Significant Impact. The proposed project would not conflict with CARB's Scoping Plan, Metropolitan Transportation Commission / Association of Bay Area Government's (MTC/ABAG) Plan Bay Area 2040, the BAAQMD 2017 Clean Air Plan, or the County's CAP and Green Building Policy. The project's consistency with these plans is described in more detail below.

CARB 2017 Scoping Plan

Nearly all of the specific measures identified in the 2017 Climate Change Scoping Plan would be implemented at the state level, with CARB and/or another state or regional agency having the primary responsibility for achieving required GHG reductions. The proposed project, therefore, would not directly conflict with any of the specific measures identified in the 2017 Climate Change Scoping Plan.

ABAG/MTC Plan Bay Area 2040

The overarching goal of Plan Bay Area 2040 is to concentrate development in areas where there are existing services and infrastructure rather than allocate new growth in outlying areas where substantial transportation investments would be necessary to achieve the per capita passenger vehicle, vehicle miles traveled, and associated GHG emissions reductions.

The proposed Behavioral Health Center is within the Bascom Transit Oriented Development Priority Development Area (PDA) of Plan Bay Area 2040 and would involve consolidating existing behavioral health services at the Santa Clara Valley Medical Center in a single building (MTC, 2020). The proposed project supports and is consistent with Plan Bay Area 2040, because it concentrates development in a PDA and, as described in the project Transportation Analysis, would reduce VMT at the Santa Clara Valley Medical Center (Hexagon, 2021). Therefore, the Project would not conflict with Plan Bay Area 2040.

BAAQMD 2017 Clean Air Plan

The proposed project would not conflict with or obstruct implementation of the BAAQMD's 2017 Clean Air Plan (BAAQMD, 2017b). The 2017 Clean Air Plan includes GHG emissions from construction and operational GHG emissions sources in its emissions inventories and plans for achieving Clean Air Plan goals. As discussed in Section C, Air Quality, control measures in the 2017 Clean Air Plan do not apply to the proposed project. In addition, as described under response a), above, the proposed project would not exceed the BAAQMD's established 1,100 $MTCO_2e$ threshold nor the project-specific goal 660 $MTCO_2e$, used to demonstrate progress toward the State's 2030 GHG emission reduction goal. Accordingly, the proposed project would not conflict with the BAAQMD 2017 Clean Air Plan.

County CAP and Green Building Policy

As described under "Setting", the County's CAP was primarily intended to reduce GHG emissions through the year 2015, which is almost one decade earlier than when the proposed project would become operational. Nonetheless, the CAP contains recommendations that are applicable to the proposed project, such as recommendation 2, revise and implement the Green Building Policy for County buildings. The proposed project would be consistent with the County's Green Building Policy, because it is targeting LEED Gold certification would be LEED Silver certified at a minimum. Furthermore, the proposed project would replace older structures at the Santa Clara Valley Medical Center campus with newer, more energy efficient structures, and consolidate behavioral health services into a single building, which would reduce mobile source emissions compared to current conditions. Therefore, the proposed project would be consistent with, and not conflict with, the County's CAP, since it would reduce long-term operational emissions, and the County's Green Building Policy, since it is seeking LEED Gold certification and at a minimum would meet Silver certification. This impact would be less than significant.

MITIGATION:

None required.

I. HAZARDS & HAZARDOUS MATERIALS							
	IMPACT						
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	Source
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐	☐	☐	3, 4, 5. 8a
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐	☐	☐	3, 5,
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within 1/4 mile of an existing or proposed school?	☐	☐	☒	☐	☐	☐	51
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☒	☐	☐	☐	24, 56
e) For a project located within an airport land use plan referral area or, where such a plan has not been adopted, within two miles of a public airport or public use airport, or in the vicinity of a private airstrip, would the project result in a safety hazard, or excessive noise for people residing or working in the project area?	☐	☐	☐	☒	☐	☐	3
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐	☐	☐	5, 57, 58, 59
g) Expose people or structures either directly or indirectly to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒	☐	☐	4, 17g, 61

SETTING:

Hazardous materials are used in commercial, industrial, agricultural, and household processes. In some cases, historical use of hazardous materials has resulted in the release of hazardous materials into soil and groundwater. The project sites have been developed and used as SCVMC campus facilities

through the years. The BHSC project site has historically been utilized for SCVMC parking and the new parking structure site has housed the Sam Della Maggiore School. The school was constructed in 1970 and operated on that site from 1980 to 1989, since then the building has been used to support nonclinical administrative functions. The project proposes to demolish the existing school structure as well as the two-level parking structure which was built in 1998.

State and Federal Regulations

Storage, use, generation, transport, and disposal of hazardous material and waste are regulated under federal and state laws. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), commonly known as Superfund sets federal legislation to investigate and clean-up sites contaminated with hazardous substances. The Resource Conservation Recovery Act (RCRA) also provides a framework for the management of non-hazardous solid wastes by the Environmental Protection Agency (EPA). In California, the EPA has granted most enforcement authority of federal hazardous materials regulations to the State's California Environmental Protection Agency (CalEPA). In turn, local agencies including the Santa Clara County Fire Department have been granted responsibility for implementation and enforcement of several hazardous materials regulations under the Certified Unified Program Agency (CUPA) program.

Local Listing

Government Code §65962.5 enacts the Department of Toxic Substances Control to compile and annually maintain a list of all hazardous waste facilities subject to corrective action to the Secretary of Environmental Protection. This reporting includes hazardous waste property or border property information received by the Department of Toxic Substances Control and all properties within the Abandoned Site Assessment Program. This reporting list is referred to as the Cortese List.

DISCUSSION:

a) Less than Significant. The proposed project is a County Behavioral Health Facility and parking structure within an existing medical complex. Medical facilities typically transport, use, and store certain substances that are considered hazardous materials, however, the transport, use, and storage of such substances are strictly regulated by existing laws and regulations. Construction of the proposed project, as well as ongoing operation and maintenance over time, may involve intermittent transport and use and disposal of potentially hazardous materials, including fuels, lubricants, paints, solvents, and other materials. To maintain the health and safety of the public and environment during construction, any on-site hazardous materials that may be used, stored, or transported would be required to follow standard health and safety protocols as determined by the EPA, California Department of Health and Safety, and the County of Santa Clara.

Medical uses and operations associated with the development could potentially create hazardous waste. To manage potentially hazardous waste associated with these uses, SCVMC would be required to dispose of these materials in a safe manner, in accordance with local, state, and federal law. The Safety and Noise Chapter within Santa Clara County General Plan provides strategies and implementation policies to ensure hazardous materials are safely managed. In following these strategies and policies, the County would manage hazardous materials safely and efficiently as well as ensure that there are adequate local hazardous waste treatment facilities. In particular, this chapter of the General Plan explains that the County (and County projects) will adhere to adopted building and development standards and programs (i.e. Uniform Fire Code, Uniform Building Code, Hazardous Materials Business Plans, etc.) The County also maintains a Hazardous Material Compliance Division with the

purpose of ensuring proper management of hazardous waste which the project would need to comply with. Given existing General Plan policies as well as federal, state, and local regulation, the potential threat to public health and safety of the environment from hazardous material transport, use, or disposal would represent a less than significant impact.

b) Less Than Significant with Mitigation. Neither existing nor proposed facility operations involve ongoing transport, use, or disposal of hazardous materials, although the BHSC site could contain liquid storage tanks or generators. Hazardous materials and handling are conducted according to state and federal requirements and therefore would not pose a significant risk to nearby receptors. The impact from project occupancy and operation is less than significant.

Hazardous Building Materials. Construction of the proposed project requires the use and possible release of hazardous materials, such as paints and other solvents. The existing site buildings features (structures, paving, landscaping, soil, etc.) at the PS3 parking structure, Sam Della Maggiore building, and Don Lowe Pavilion building will need to be demolished to accommodate the proposed new construction. Demolition, removal, and transport of building materials containing lead-based paint, asbestos containing material, and any project soils containing elevated levels of soluble lead could result in airborne emissions of lead resulting in exposure of workers or the environment to a hazardous material. Any structure to be demolished is thus subject to standard County procedures to conduct environmental investigation to test samples for lead based paint content or asbestos containing materials prior to structure demolition. Samples in excess of handling thresholds are subject to state and federal regulations for safe handling and disposal.

The County or its contractor must develop and implement a demolition debris management and disposal plan for the non-Resource Conservation and Recovery Act hazardous materials that are to be removed from the project site per compliance with County and State waste diversion requirements. The plan must be designed to prevent releases of hazardous materials in quantities that could pose a risk to human health and the environment, as determined using appropriate BAAQMD, RWQCB, Department of Toxic Substance Control (DTSC), and/or other appropriate agency screening thresholds.

The plan must identify the receiving qualified landfill and present proof of waste acceptance. The plan must also specify measures to minimize airborne dust during building deconstruction and soil movement to protect construction workers and neighboring residents from exposure to hazardous material emissions. The plan must address protection of worker exposure to airborne lead paint particulates through use of personal protective gear, clear identification of the location of hazardous materials, and removal by properly trained/certified workers, and proper cover and transport of hazardous materials, etc. Compliance with state and federal requirements and implementation of the debris management and disposal plan would ensure the project has a less than significant impact related to hazardous materials. The implementation of a demolition debris management plan reduces this impact is less than significant.

c) Less than Significant. The project is within a quarter mile of one existing school. The Chandler Tripp Early Start and Preschool Special Education Programs is immediately west of the proposed parking structure site at 780 Thornton Way, Sand Jose; however, this school building no longer operates for educational purposes. Despite the school site's proximity to the project site, construction and operation of the project would not generate hazardous emissions nor result in the improper storage, handling, production, or disposal of acutely hazardous materials, as discussed in Section I.a,b.

d) Less than Significant. The State Water Resources Control Board's Geotracker database contains two entries related to the Santa Clara Valley Medical Center complex (777 Turner Avenue – immediately south of the BHSC project site and 750 S. Bascom Avenue – approximately 1,000 feet east of the BHSC project site). Both cases are now listed as leaking underground storage tank (LUST) sites that are labeled as "Completed – Case Closed." Potential contaminants of concern were listed as waste oil/motor oil/hydraulic/lubricating fluid affecting area soils and diesel affecting an aquifer used for drinking water. However, per the Geotracker database, site cleanup began in May 1997 and ended in August 1998. The State Water Resources Control Board evaluates sites based on multiple criteria to determine if any further actions are warranted; closure of those two cases indicates that no further action is warranted, and environmental criteria has been met. Furthermore, the project sites are not listed on the Cortese List pursuant to Government Code §65962.5, as maintained by the California Department of Toxic Substances Control. Because there are no open contamination cases on the project sites or project area and because previous cases closed, there is no significant hazard to the public or the environment.

e) No Impact. The project site is not located within an airport land use plan referral area nor within two miles of a public airport. San Jose Mineta International Airport is approximately 2.5 miles north of the project area. A Comprehensive Land Use Plan (CLUP) exists for this airport which was established to safeguard the general welfare of inhabitants within the vicinity of the airport. The plan includes figures for flight tracks, land use, noise contours, maximum structure heights (above MSL), safety zones, and general influence areas. Per the CLUP, the project is outside of designated land use, noise contours, maximum structure height limitation areas, safety zones, and general influence areas. The project is within proximity to a designated aircraft flight track. However, because the project is outside of maximum structure height zone per the CLUP and several on the SCVMC campus are of similar height as the proposed project, the project would not impact aircraft fight tracks.

f) Less than Significant. The County has an *Emergency Operations Plan (EOP)* that identifies the County's emergency planning, organization, and response policies and procedures (County of Santa Clara Office of Emergency Services 2017). The SCVMC also maintains an *Emergency Operations Plan* for their campus. The SCVMC plan provides detailed procedures for evacuation to protect the life and health of patients, visitors, and staff in case of fire, smoke, hazardous materials spill/release, explosion, earthquake, bomb treat, hostage situation, etc. The project would not impair the implementation of, or physically interfere with, the County or SCVMC Emergency Operations Plans. The project would construct two new driveways for the proposed parking structure along Clove Drive and Ginger Lane and the new BHSC building would construct a new patient drop off area; these means of access would serve emergency access and egress. Project buildout would not create, interrupt, or otherwise reduce the ability of streets to accommodate traffic. Any need for construction-related traffic partial street closures would be temporary, intermittent, localized, and subject to standard County traffic management practices. Furthermore, the SCVMC EOP will be updated to include the new BHSC and parking structure to ensure the building, its patients, visitors, and staff are incorporated into emergency planning and response. The project would not result in significant change in existing circulation patterns and would have a less than significant impact on emergency response planning and evacuation.

g) No Impact. The project is not located within a State-identified fire hazard severity zone as indicated on the Fire Hazard and Severity Zone maps prepared by the California Department of Forestry and Fire Protection (CALFIRE). The project is in a local responsibility area (LRA) according to the CAL FIRE FRAP (Fire Resource Assessment Program) map. The nearest mapped fire hazard zone is approximately three miles southeast of the project area in the unincorporated foothills of the Santa

Cruz Mountains. The project is in a developed urban area and would not affect wildfire hazards at the site or surrounding areas.

MITIGATION:

Impact HAZ-1: Building demolition carried out by the project could release asbestos containing materials and lead based paint and other hazardous building materials into the environment.

Mitigation Measure HAZ-1: Materials Testing and Develop Demolition Debris Management Plan.

Materials Testing: Prior to demolition of the existing PS3, the former Sam Della Maggiore School building, and the Don Lowe Pavilion building, the County or its Contractor shall: (1) survey the existing on-site structures for the presence of asbestos containing and lead-based paint materials (to be conducted by an OSHA-certified inspector); and (2) if building elements are identified with asbestos containing materials, prepare a written Asbestos Abatement Plan describing activities and procedures for removal, handling, and disposal of these building elements using EPA- and/or OSHA- approved procedures, work practices, and engineering controls. If lead-based paint is present the paint materials shall be removed and disposed of following lead abatement performance standards included in the U.S. Department of Housing and Urban Development Guidelines for Evaluation and control of Lead-Based Paint program, a lead compliance plan, provisions to protect worker safety and health in compliance with title 8 California Code of Regulations (including Section 1532.1), and provisions for the proper handling and disposal of debris with all applicable Federal, State, and local hazardous waste laws

Demolition Debris Management Plan: The County or its Contractor shall develop and implement a demolition debris management and disposal plan for the non-Resource Conservation and Recovery Act hazardous materials that are to be removed from the project site. The plan must be designed to prevent releases of hazardous materials in quantities that could pose a risk to human health and the environment, as determined using appropriate BAAQMD, RWQCB, Department of Toxic Substance Control (DTSC), and/or other appropriate agency screening thresholds.

The plan must identify the receiving qualified landfill and present proof of waste acceptance. The plan must also specify measures to minimize airborne dust during building deconstruction and soil movement to protect construction workers and neighboring residents from exposure to hazardous material emissions. The plan must address protection of worker exposure to airborne lead paint particulates through use of personal protective gear, clear identification of the location of hazardous materials, and removal by properly trained/certified workers, and proper cover and transport of hazardous materials, etc. Compliance with state and federal requirements and implementation of the debris management and disposal plan would ensure the project has a less than significant impact related to hazardous materials. The implementation of a demolition debris management plan reduces this impact is less than significant.

> ***Effectiveness:*** This measure would reduce impacts on paleontological resources to less than significant.
>
> ***Implementation:*** The County and/or its contractor(s) shall implement this measure in the event any paleontological resources are discovered.
>
> ***Timing:*** During all earth disturbing phases of project construction.

Monitoring: If paleontological resources are uncovered, a report shall be prepared by the qualified paleontologist describing the find and its deposition.

J. HYDROLOGY AND WATER QUALITY								
		IMPACT						
Would the project:		Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	SOURCE
a)	Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐	☐	☐	3, 7, 13, 66
b)	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐	☐	☐	3, 4
c)	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	☐	☐	☒	☐	☐	☐	3, 10, 13, 17n, 72
i)	result in substantial erosion or siltation on- or off-site	☐	☐	☒	☐	☐	☐	3, 10, 13, 17p
II)	substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐	☐	☐	3, 5, 10
III)	create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐	☐	☐	3, 5
IV)	impede or redirect flood flows?	☐	☐	☒	☐	☐	☐	3, 17p,
d)	In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒	☐	☐	3, 17p
e)	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐	☐	☐	3, 4, 10, 17p

SETTING:

The project is located in the Santa Clara Valley which is a flat alluvial plain positioned between the Santa Cruz mountain range to the west and southern Diablo mountain range to the east. Most of Santa Clara County drains in a northerly direction into the San Francisco Bay. The project is located within the San Francisco Bay Watershed and within the jurisdiction of the California Water Quality Control Board Region 2: San Francisco Bay. The proposed project is not located in a FEMA designated Flood Zone area. The project site does not contain and are not adjacent to any watercourses recognized by the Santa Clara Valley Water District. The project would not encroach on riparian habitat or corridors and there are no surface water resources within the project site. The nearest watercourse is Los Gatos Creek which is approximately 1.15 miles southeast of the project. San Tomas Aquino Creek is the next closest watercourse and is approximately 1.44 miles west of the project. The project is within the Santa Clara Valley Groundwater Basin and Coyote Valley Subbasin which are managed by Santa Clara Valley Water (URS 2020).

The Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP or Program) is an association of thirteen cities and towns in Santa Clara Valley, the County of Santa Clara, and the Santa Clara Valley Water District that share a common National Pollutant Discharge Elimination (NPDES) municipal stormwater permit to discharge stormwater to South San Francisco Bay. The Program and member agencies implement pollution prevention, source control, monitoring and outreach programs aimed at reducing pollution in stormwater runoff, protecting water quality and beneficial uses of San Francisco Bay and Santa Clara Valley creeks and rivers.

The Program operates under a NPDES municipal stormwater permit from the San Francisco Bay Regional Water Quality Control Board (Water Board). The permit is referred to the Municipal Regional Stormwater NPDES Permit (MRP) and it covers stormwater discharges from a total of 76 municipalities and local agencies in Alameda, Contra Costa, San Mateo and Santa Clara Counties, and the cities of Fairfield, Suisun City, and Vallejo. Challenging stormwater management requirements in the current MRP include:

- Reducing trash loads in water by 100% by July 2022;
- Developing & implementing a trash monitoring program for creeks and shorelines;
- Meeting mercury and PCBs stormwater reduction goals; and
- Developing and implementing Green Stormwater Infrastructure (GIS) Plans.

Construction activities are a major source of stormwater pollution. Sediment, or soil, disturbed during clearing, grading and excavation, and stockpiling can contaminate the storm drain system when loose materials migrate off a site. Additionally, concrete and mortar wash-out and other associated construction debris are common contaminants in stormwater runoff at construction sites. Storm drains carry runoff directly to local creeks, streams, and rivers with no treatment or filtration.

State Requirements: Construction and/or demolition projects that disturb one acre or more of land must comply with State requirements to control the discharge of stormwater pollutants. Prior to the start of construction or demolition projects, a Notice of Intent (NOI) to comply with the Construction General Permit Requirements must be filed with the State Water Quality Control Board. A Stormwater Pollution Prevention Plan (SWPPP) must be developed and maintained during the project and it must include the use of Best Management Practices (BMPs) to protect water quality until the site is stabilized.

County of Santa Clara Requirements: All construction and demolition projects must also comply with the County's Grading Ordinance, which requires the use of erosion and sediment controls to protect water quality while the site is under construction. Prior to the issuance of a permit for grading activity that occur during the rainy season (October to April), an Erosion Control Plan must be submitted to the County of Santa Clara Land Development Engineering (LDE) office detailing Best Management Practices that will prevent the discharge of stormwater pollutants.

DISCUSSION:

a) Less than Significant. The project site is currently developed with an existing parking structure, a school building, and the Sam Della Maggiore building. The BHSC site, which is currently developed with a two-level parking structure, is comprised of 2.26 acres of impervious surface area and 0.13 acres of pervious surface area. The proposed new parking structure site, which currently contains Sam Della Maggiore School, is comprised of 1.48 acres of impervious surface area and 0.50 acres of

pervious surface area. BHSC site improvements, which include the construction of four bioretention areas, would result in a decrease in impervious surface area by 8,720 sq. ft. Parking structure site improvements, which include the construction of two bioretention areas, would result in an increase in impervious surface area by 8,919 sq. ft. The project would not significantly change the amount of impervious surface on the Don Lowe Pavilion site because the existing approximately 32,000 sq. ft. building would be replaced by an asphalt surface parking lot of the same size. The total project, across all three sites, would result in a net increase in pervious surface area by 219 sq. ft.

Project construction would involve excavation and grading to accommodate new project facilities. Development of the BHSC site requires approximately 27,200 cubic yards of earth material to be cut and 4,650 cubic yards to be filled. Development of parking structure site would require approximately 6,200 cubic yards of earth material to be cut and 2,100 cubic yards to be filled. After grading activities are complete there would be the potential for wind and water erosion to discharge contaminants, sediment, and/or other urban pollutants into stormwater runoff. However, violations of water quality standards from urban runoff can be prevented through implementation of existing regional water quality regulations and plans, including compliance with Santa Clara Valley Water's (Valley Water) 2015 Urban Water Management Plan (UWMP) for surface and ground water management, and the County's wastewater treatment standards (Section B11, Chapter IV, of the County's Ordinance Code). As the project is currently designed, runoff from impervious surface would be directed into a series of six bioretention areas located throughout the two project sites.

A Stormwater Management Plan (see Appendix A, Sheet 600) as well as a Basis of Design Narrative have been prepared for the project. These documents detail proposed on-site storm drainage improvements that include the construction of bioretention areas as well as new upgrades to existing storm drains. The project site drainage would be improved by replacing existing drain lines and connecting area drains that conflict with the proposed building footprints. New roof drains and area drains are proposed to collect on-site stormwater runoff which will flow through new bioretention areas for treatment before being discharged into existing storm drain mains. New connections to bioretention overflow areas and drains to the existing storm drain mains are also proposed.

The State Water Resources Control Board (SWRCB) is responsible for regulating stormwater discharge associated with project construction activities such as clearing, grading, and excavation, should they result in land disturbance of one or more acres. As described above, the County is a member of the Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP or Program) that share a common National Pollutant Discharge Elimination (NPDES). This NPDES permit requires project applicants to demonstrate that their project is covered by the State's General Construction Permit before obtaining any construction related permits. The State's General Construction Permit requires project applicants to prepare a Storm Water Pollution Prevention Plan (SWPPP) for their project. The purpose of the SWPPP is to describe and prescribe Best Management Practices (BMPs) that would control and minimize pollutants from possibly entering stormwater. The SWPPP must address grading and erosion impacts as well as non-point source pollution impacts from their project, including post-construction operations. Because the project would result in the disturbance of 4.14 acres of land, the County would be required to obtain the State's General Construction Permit and adhere to a project specific SWPPP.

The County is also subject to a MS4 National Pollutant Discharge Elimination System (NPDES) permit and is required to implement all pertinent regulations of the program to control pollution discharges from new development. These regulations reduce non-point source pollutants through the implementation of BMPs and other control measures that minimize or eliminate pollutants from urban runoff, thereby protecting downstream water sources. BMPs implemented to address commercial

pollutant sources generally involve maintenance of storm drain facilities, parking lots, and vegetated areas, and dissemination of educational materials. Construction of the proposed project would be subject to County's NPDES permit requirements during construction activities in addition to standard NPDES operational requirements.

The project is subject to the Santa Clara Countywide Water Pollution Prevention Program. The proposed project replaces over 10,000 sf of impervious surface and is therefore required to comply with Provision C.3 of the County's NPDES Permit. Provision C.3 requires numeric sizing for pollutant removals systems, incorporation of low-impact construction design, installation, operation, and maintenance of stormwater treatment measures, limitation of increase of peak stormwater discharge rate and volume, and limitation of increase of peak stormwater discharge rate and volume.
In addition, the project would involve over one acre of ground disturbance and is therefore required to comply with the NPDES Construction General Permit requirements. The County or its Qualified SWPPP Developer QSD would prepare a SWPPP for submittal with a Notice of Intent to the RWQCB prior to the start of construction. BMPs would be employed during the construction phase to control sediment loads. The impact on water quality is less than significant.

b) Less than Significant. The project would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge. The SCVMC obtains is daily water needs from an on-stie well owned and managed by the County; however, water is also obtained through the San Jose Water company for peak demands and redundancy. Water usage associated with the SCVMC's existing mental health facility is currently estimated at 2,500 gallons per day. The project would induce and increased demand for potable water. Water usage for the new BHSC building is estimated at 3,850 gallons per day. For reference, SCVMC campus has an average daily water use of 315,580 gallons per day and a maximum allowable use of 359,654 gallons per day. An additional water demand of 1,350 gallons per day would not represent a significant impact given the current total water demand and budget of the SCMVC campus

As discussed in Section J.a, the project site is connected to existing stormwater infrastructure and would continue to be under the project, with new stormwater lines. Stormwater generated on-site would be directed to new bioretention areas and stormwater drains; therefore, the project is not anticipated to cause groundwater contamination. Furthermore, although the project would increase impervious surface on site by 219 sq. ft., the proposed installation and implementation of bioretention areas would allow for percolation of water into the underlying soils, which would in turn contribute to groundwater recharge. Because the project does not involve a substantial increase in the extraction of groundwater and does not substantially interfere with groundwater recharge such that there would be a net deficit in aquifer volume or lowering of the local groundwater table, the impact would be less than significant.

c) **Less than Significant.** The proposed project would result in an increase in impervious area by 219 sq. ft. Runoff from impervious surface would be directed to bioretention areas, where a water quality filtration process would begin. Bioretention areas remove pollutants by filtering runoff slowly through an active layer of soil. In addition, the project would be required to comply with County requirements to treat stormwater runoff and reduce pollutants. The project would require application and issuance of a grading permit through the County's Land Development Engineering Department. This process would ensure that the project construction is compliant with the County's Grading Ordinance and that the project's anticipated generation of stormwater would not exceed the proposed stormwater drainage system. The project would also be required to implement surface water controls that comply with Provision C.3 of the Regional Water Quality Control Board (RWCB) Municipal Regional Stormwater NPDES Permit No. R2-201500049. The Santa Clara Valley Urban Runoff Pollution Prevention

Program (SCVURPPP) created a C.3 guidebook for the implementation of post-construction C.3 stormwater requirements. Design measures would be implemented to prevent flooding on- and off-site. Furthermore, the County would require the project's use of BMPs, as listed in the post-construction requirements. BMPs preventing flooding and runoff could include protection of storm drains through vegetated filter traps and/or catch basins.

Improper project grading activities, both during and post-construction, have the potential to increase the volume of runoff from a site and subsequently increase erosion. Increased runoff and soil erosion on and off site could adversely impact downslope water quality. However, as discussed in Section G.b, the potential soil erosion impact of the project would be less than significant through implementation uniformly applicable development policies that would prevent major runoff or soil erosion. Project construction is subject to General Permit order 2009-0009-DWQ which regulates activities such as clearing, grading and disturbances to the ground such as stockpiling, or excavation. As discussed in Section G.b, the Construction General Permit requires the development of a Storm Water Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer (QSD). Implementation of the SWPPP during construction would prevent substantial erosion or loss of topsoil and related surface water runoff impacts.

Because of the project design, described regulatory measures, and development policies, substantial siltation and erosion, flooding on- or off-site, excessive runoff, and/or flood flow impediment, are not anticipated; the impact would be less than significant.

d) No Impact. The project is not located in a tsunami zone, nor in a seiche zone. The project is not located within a regulatory floodway, as mapped by FEMA.

e) Less than Significant. The SCVMC campus is supplied with water from an on-site water well owned and managed by the County (see discussion in section S. Utilities and Services) The project is estimated to use approximately 3,850 gallons of potable water per day which would be added to the overall campus use of groundwater. The County will continue to manage its water well for overall campus use and the addition of the BHSC water demand is not anticipated to conflict or obstruct a sustainable groundwater management plan. As described in Section J.e, additional water demand created by the project would not significantly impact the current water supply of the SCVMC campus.

The State's 2015 Model Water Efficient Landscape Ordinance (MWELO) applies to projects requiring a planning-level permit that contain over 500 sq. ft. of new or rehabilitated landscape areas. MWELO requires the use of highly efficient irrigation methods and is predicted to reduce landscape water use in new projects by 30 percent or more. During construction, temporary BMPs and erosion control measures would be implemented to reduce construction and post-construction siltation. For more information on BMPs, see Section G.c.

The impact would be less than significant.

MITIGATION:

None required.

K. LAND USE								
	IMPACT							
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	SOURCE
a) Physically divide an established community?	☐	☐	☐	☒	☐	☐	4
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐	☐	☐	8a, 9,

SETTING:

The project is located within an existing medical center complex in a developed, urban area surrounded by incorporated City of San Jose lands. Currently, the project site is developed with a two-story parking garage and a building that was formerly used as a school.

DISCUSSION:

a) No Impact. The project would be located wholly within the SCVMC campus and is replacing existing buildings within the campus. The project would not physically divide an established community.

b) Less than Significant Impact. The SCVMC is a pocket of County unincorporated land surrounded by the City of San Jose; therefore, the Santa Clara County General Plan defers to the City's general plan land use designation for the campus.

The City of San Jose 2040 General Plan identifies the campus as being within the South Bascom Commercial Corridor and Center Urban Village Plan. San Jose has identified Urban Villages as underutilized locations within the city that have opportunities to function as active, walkable, bicycle-friendly, transit-oriented, mixed-use urban settings. The General Plan also describes Commercial Corridor to have redevelopment potential to serve as larger regional commercial destinations. Within the South Bascom Urban Village Plan, SCVMC is designated as Public/Quasi-Public land. Other Public/Quasi-Public land within the Urban Village Plan include San Jose City College, San Jose Water Company, and the Bascom Community Center. The Urban Village Plan notes that new development of SCVMC is anticipated and envisioned to reflect higher intensity building envelopes with height limits up to 85 feet; the Plan does not require buildings in this land use designation to adhere to a Floor Area Ratio standard. The Plan also describes that future development on these Public/Quasi-Public lands should maximize employment opportunities generated by existing institutions. The project would provide additional employment opportunities by expanding current medical operations and staffing needs. The project would not exceed the height limits prescribed in the Urban Village Plan and aligns with the Plan's designated land use for the parcels.

MITIGATION:

None required.

L. MINERAL RESOURCES							
	IMPACT						SOURCE
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒	☐	☐	3, 51. 52
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒	☐	☐	3, 8a

DISCUSSION:

The State Board of Mining and Geology has adopted regulations to protect lands classified as MRZ-2 (i.e., lands where information indicates that significant stone, sand, and/or gravel deposits are present, or where a high likelihood for their presence exists). Mapping conducted in 1996 by the State Division of Mines and Geology did not indicate that the project sites and project vicinity contain any MRZ-2 designated resource zones.

a-b) No Impact. The project does not involve mineral extraction. The project site is not listed as a mineral resource per the State Board of Mining and Geology. The Santa Clara County General Plan does not identify the project site as containing locally important mineral resources. Therefore, the construction and operation of the project would not cause the loss of known mineral resources or locally important mineral resources.

MITIGATION:

None required.

M. NOISE								
		IMPACTS						
	WOULD THE PROJECT RESULT IN:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	SOURCE
a)	Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐	☐	☐	8a, 73-80, 83
b)	Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐	☐	☐	13, 73-80, 83
c)	For a project located within the vicinity of a private airstrip or an airport land use plan referral area or, where such a plan has not been adopted, within two miles of a public airport, public use airport, or private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☒	☐	☐	☐	1, 8a, 73-80, 83

SETTING:

Noise may be defined as loud, unpleasant, or unwanted sound. The frequency (pitch), amplitude (intensity or loudness), and duration of noise all contribute to the effect on a listener, or receptor, and whether the receptor perceives the noise as objectionable, disturbing, or annoying.

The Decibel Scale (dB)

The decibel scale (dB) is a unit of measurement that indicates the relative amplitude of a sound. Sound levels in dB are calculated on a logarithmic basis. An increase of 10 dB represents a tenfold increase in acoustic energy, while a 20 dB increase is 100 times more intense, a 30 dB increase is 1,000 more intense, and so on. In general, there is a relationship between the subjective noisiness, or loudness of a sound, and its amplitude, or intensity, with each 10 dB increase in sound level perceived as approximately a doubling of loudness.

Sound Characterization

There are several methods of characterizing sound. The most common method is the "A-weighted sound level," or dBA. This scale gives greater weight to the frequencies of sound to which the human ear is typically most sensitive. Thus, most environmental measurements are reported in dBA, meaning decibels on the A-scale.

Human hearing matches the logarithmic A-weighted scale, so that a sound of 60 dBA is perceived as twice as loud as a sound of 50 dBA. In a quiet environment, an increase of 3 dB is usually perceptible, however, in a complex noise environment such as along a busy street, a noise increase of less than 3 dB is usually not perceptible, and an increase of 5 dB is usually perceptible. Normal human speech is in the range from 50 to 65 dBA. Generally, as environmental noise exceeds 50 dBA, it becomes

intrusive and above 65 dBA noise becomes excessive. Nighttime activities, including sleep, are more sensitive to noise and are considered affected over a range of 40 to 55 dBA. Table 11 lists typical outdoor and indoor noise levels in terms of dBA.

Table 11. Typical Outdoor and Indoor Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	-110-	Rock Band
Jet flyover at 1,000 feet		
	-100-	
Gas lawn mower at 3 feet		
	-90-	
Diesel truck at 50 feet at 50 mph		Food blender at 3 feet
	-80-	Garbage disposal at 3 feet
Noise urban area, daytime		
Gas lawnmower, 100 feet	-70-	Vacuum cleaner at 10 feet
Commercial area		Normal speech at 3 feet
Heavy traffic at 300 feet	-60-	
		Large business office
Quiet urban daytime	-50	Dishwasher next room
Quite urban nighttime	-40-	Theater, large conference room (background)
Quiet suburban nighttime		
	-30-	Library
Quite rural nighttime		Bedroom at night
	-20-	
		Broadcast/recording studio
	-10-	
Lowest threshold of human hearing	-0-	Lowest threshold of human hearing

Source: Caltrans 2013

Sound levels are typically not steady and can vary over a short time period. The equivalent noise level (Leq) is used to represent the average character of the sound over a period of time. The Leq represents the level of steady noise that would have the same acoustical energy as the sum of the time-varying noise measured over a given time period. Leq is useful for evaluating shorter time periods over the

course of a day. The most common Leq averaging period is hourly, but Leq can describe any series of noise events over a given time period.

Variable noise levels are values that are exceeded for a portion of the measured time period. Thus, L01 is the level exceeded one percent of the time and L90 is the level exceeded 90 percent of the time. The L90 value usually corresponds to the background sound level at the measurement location.

Noise exposure over the course of an entire day is described by the day/night average sound level, or Ldn, and the community noise equivalent level, or CNEL. Both descriptors represent the 24-hour noise impact on a community. For Ldn, the 24-hour day is divided into a 15-hour daytime period (7 AM to 10 PM) and a nine-hour nighttime period (10 PM to 7 AM) and a 10 dB "penalty" is added to measure nighttime noise levels when calculating the 24-hour average noise level. For example, a 45 dBA nighttime sound level would contribute as much to the overall day-night average as a 55 dBA daytime sound level. The CNEL descriptor is similar to Ldn, except that it includes an additional 5 dBA penalty beyond the 10 dBA for sound events that occur during the evening time period (7 PM to 10 PM). The artificial penalties imposed during Ldn and CNEL calculations are intended to account for a receptor's increased sensitivity to sound levels during quieter nighttime periods.

Sound Propagation

The energy contained in a sound pressure wave dissipates and is absorbed by the surrounding environment as the sound wave spreads out and travels away from the noise generating source. Theoretically, the sound level of a point source attenuates, or decreases, by 6 dB with each doubling of distance from a point source. Sound levels are also affected by certain environmental factors, such as ground cover (asphalt vs. grass or trees), atmospheric absorption, and attenuation by barriers. Outdoor noise is also attenuated by the building envelope so that sound levels inside a residence are from 10 to 20 dB less than outside, depending mainly on whether windows are open for ventilation or not.

When more than one point source contributes to the sound pressure level at a receiver point, the overall sound level is determined by combining the contributions of each source. Decibels, however, are logarithmic units and cannot be directly added or subtracted together. Under the dB scale, a doubling of sound energy corresponds to a 3 dB increase in noise levels. For example, if one noise source produces a sound power level of 70 dB, two of the same sources would not produce 140 dB – rather, they would combine to produce 73 dB.

Under controlled conditions in an acoustical laboratory, the trained, healthy human ear can discern 1-dB changes in sound levels when exposed to steady, single-frequency ("pure-tone") signals in the mid-frequency (1,000–8,000 Hz) range. In typical noisy environments, changes in noise of 1 to 2 dB are generally not perceptible. However, it is widely accepted that people can begin to detect sound level increases of 3 dB in typical noisy environments. Further, a 5-dB increase is generally perceived as a distinctly noticeable increase, and a 10-dB increase is generally perceived as a doubling of loudness.

Noise Effects

Noise effects on human beings are generally categorized as:

- Subjective effects of annoyance, nuisance, and/or dissatisfaction
- Interference with activities such as speech, sleep, learning, or relaxing
- Physiological effects such as startling and hearing loss

Most environmental noise levels produce subjective or interference effects; physiological effects are usually limited to high noise environments such as industrial manufacturing facilities or airports.

Predicting the subjective and interference effects of noise is difficult due to the wide variation in individual thresholds of annoyance and past experiences with noise; however, an accepted method to determine a person's subjective reaction to a new noise source is to compare it to the existing environment without the noise source, or the "ambient" noise environment. In general, the more a new noise source exceeds the ambient noise level, the more likely it is to be considered annoying and disturb normal activities.

Existing Noise Environment

The County of Santa Clara's General Plan identifies transportation as the most substantial and persistent source of noise throughout the County. Transportation noise sources include on-road sources (e.g., cars and trucks), and off-road sources (e.g., construction equipment and airplanes). Land uses / receptors that are closer in proximity to noise generating sources tend to have a louder noise environment than land uses / receptors that are further away.

There are five airports in Santa Clara County; San Jose International Airport, Palo Alto Airport, Reid-Hillview Airport, South County Airport, and Moffett Federal Airfield. The proposed project is located approximately 2.7 miles south of San Jose International Airport. The project site is not within the airport's Airport Influence Area, nor is it located within a 65, 70, or 75 dBA CNEL contour, as depicted in the San Jose International Airport Comprehensive Land Use Plan (Santa Clara County, 2016).

MIG, Inc. conduced ambient noise level monitoring at and in proximity of the Santa Clara Valley Medical Center campus where project construction activities would occur from approximately 2:00 PM on Thursday, September 17, 2020, to approximately 2:00 PM on Saturday, September 19, 2020 (see Appendix E.1). The ambient noise levels were digitally measured and stored using three (3) Larson Davis SoundTrack LxT sound level meters that meet American National Standards Institute requirements for a Type 1 integrating sound level meter. Each sound meter was calibrated immediately before and after the monitoring period using a reference one-kilohertz (1kH) check frequency and 114 dB sound pressure level and found to be operating within normal parameters for sensitivity. Measurements were continuously collected over the sample periods in 1-minute intervals. This interval was selected to capture short-term noise events and increases in noise levels above typical background conditions. Weather conditions during the monitoring were generally overcast during the mornings and clear and sunny during the afternoons. Temperatures ranged from the low 60's (overnight) to the low 80's (in the later afternoon). Winds were generally light and variable and ranged from calm conditions during the mornings and nighttime to approximately 10-miles per hour during later afternoon and evening periods.

The ambient noise monitoring conducted included two (2) long-term (LT) and three (3) short-term (ST) measurements at locations selected to:

- Provide direct observations and measurements of existing noise sources at and in the vicinity of the project sites;
- Determine typical ambient noise levels at and in the vicinity of the project sites; and
- Evaluate potential project noise levels at nearby sensitive receptor locations (described in the next subsection).

The ambient noise monitoring locations are described below and shown in Figure 12.

- Location LT-1 was along the access road that is immediately west of and adjacent to the Sam Della Maggiore School, approximately 180 feet north of Clove Drive. Ambient noise levels at

this location were measured from 2:00 PM on Thursday, September 17, 2020, to 2:00 PM on Saturday, September 20, 2020. The ambient noise measurements collected at location LT-1 included sounds from traffic along Clove Drive and other, general construction activities in proximity of the Sam Della Maggiore School, including those present at the southwest corner of Ginger Lane and Cloves Drive. The ambient noise measurement collected at location LT-1 are considered representative of the ambient noise conditions at sensitive receptor location R-2 (see "Sensitive Receptors" subheading, below). Evening and nighttime noise levels are also considered representative of residential receptors on Empey Way, Thornton Way, Fruitdale Avenue, and Moorpark Ave (sensitive receptor locations R-3 through R-8).

- Location LT-2 was between Turner Drive and the Main Hospital's northwestern façade, approximately 160 feet south of Renova Drive. Ambient noise levels at this location were measured from 2:00 PM on Thursday, September 17, 2020, to 2:00 PM on Saturday, September 20, 2020. The ambient noise measurements collected at location LT-2 included sounds from traffic along Turner Drive; automobile operation in Parking Structures #2 and #3; heating, cooling, air conditioning, and ventilation (HVAC) noise emanating from grates adjacent to the Main Hospital's western façade; general construction west and south of the Main Hospital; and operation of a temporary, outdoor emergency room (ER) present on campus.[10] The ambient noise measurement collected at location LT-1 are considered representative of the ambient noise conditions at sensitive receptor location R-1 (see "Sensitive Receptors" subheading, below).
- Location ST-1 was along Empey Way, at the southeast bend in the roadway and adjacent to the Santa Clara Valley Medical Center Campus. Ambient noise levels at this location were measured from 2:50 PM to 3:10 PM on Thursday, September 17, 2020. The ambient noise measurements collected location ST-1 are considered representative of daytime noise levels at the single-family residences along Empey Way (sensitive receptor location R-3), adjacent to the Santa Clara Valley Medical Center Office.
- Location ST-2 was at the southwest corner of the Thornton Way and Clove Drive intersection, in the greenspace adjacent to Sierra Crest Condominiums and approximately 390 feet from the San Della Maggiore School site. Ambient noise levels at this location were measured from 3:20 PM to 3:40 PM on Thursday, September 17, 2020. The ambient noise levels measured at location ST-2 are considered representative of the noise levels generated by vehicles traveling along Thornton Way and Clove Drive (sensitive receptor location R-4). Sound levels collected at location ST-2 are also considered representative of daytime noise levels along Enborg Lane (sensitive receptor locations R-5 and R-6) and Moorpark Avenue (sensitive receptor locations R-7 and R-8).

[10] The ambient noise monitoring conducted at location LT-2 occurred during the COVID-19 pandemic. The Santa Clara Valley Medical Center had erected a temporary outdoor ER to help address potential overflow of COVID-19 patients. The temporary ER was located on the asphalt area between the West Wing and Main Hospital and powered by generators that were placed near the southwest corner of the Main Hospital. The sound meter at location LT-2 was shielded from direct generator noise by a concrete barrier; however, generator noise reflecting off the Main Hospital's western façade and the eastern façade of Parking Structure 3 still likely influenced sound level readings at location LT-2.

Figure 12. Ambient Noise Monitoring Locations

- Location ST-3 was located at the southeast corner of the Main Hospital, adjacent to the Annex, and approximately 80 feet north of the West Wing's primary ER entrance. Ambient noise levels at this location were measured from 2:20 PM to 2:40 PM on Thursday, September 17, 2020. The ambient noise levels measured at location ST-3 are considered representative of the noise levels generated by the temporary, outdoor ER located between the West Wing and the Main Hospital (see footnote 6).

Based on observations made during the ambient noise monitoring, the existing noise environment throughout the Santa Clara Valley Medical Center campus was primarily influenced by automobile operation (both on roads as well as in parking garages), building HVAC equipment, current construction activities, and generators powering the temporary, outdoor ER. Noise from motor vehicle operation along Highway 280 and Highway 880 contributed to background noise levels at the monitor locations along the western portion of the Medical Center campus (i.e., LT-1, ST-1, and ST-2), while building HVAC operation, generators, and motor vehicles operating on local roads and in the parking garages were the primary drivers of noise levels at monitoring locations on the eastern side of the campus (i.e., LT-2 and ST-3). Table 12 and Table 13 summarize the results of the ambient noise monitoring conducted for this Report. Refer to Appendix E.1 for detailed ambient noise monitoring results.

Table 12. Summary of Measured Long-Term Ambient Noise Levels

Day / Site	Total Hours Monitored	L_{min}	L_{max}	Measured L_{eq} Range (dBA)[A]			24-Hour L_{dn}[B]
				Nighttime (6 AM – 7 AM)	Daytime (7 AM to 7 PM)	Evening (7 PM to 10 PM)	
Thursday, September 17, 2020							
LT-1	10-Hours	42.3	73.5	54.5	54.5 – 59.4	50.6 – 53.0	N/A
LT-2	10-Hours	55.8	89.3	60.3	58.4 – 61.4	57.1 – 57.5	N/A
Friday, September 18, 2020							
LT-1	24-Hours	39.9	80.2	56.7	51.8 – 59.9	53.1 – 56.7	57.2
LT-2	24-Hours	54.8	90.7	57.3	56.7 – 62.4	58.5 – 59.0	63.4
Saturday, September 19, 2020							
LT-1	14-Hours	41.4	70.6	52.5	51.6 – 52.5	N/A	N/A
LT-2	14-Hours	54.8	90.6	57.6	56.9 – 57.6	N/A	N/A

Source: MIG, 2020 (See Appendix E.1)

(A) Values are the lowest and highest measured average hourly values during the listed time period.

(B) L_{dn} data is only presented for full 24-hour monitoring days (midnight to midnight).

Table 13. Summary of Measured Short-Term Ambient Noise Levels

Day / Site	Duration	L_{min}	L_{max}	Measured Noise Level Range (dBA)[A]			
				L_{eq}	$L_{1.67}$	L_{50}	L_{90}
Thursday, September 17, 2020							
ST-1	20 Minutes	55.2	74.2	59.1 – 59.7	62.8 – 64.8	58.3 – 59.2	57.5 – 58.1
ST-2	20 Minutes	55.4	76.1	60.9 – 62.4	67.5 – 69.2	58.8 – 59.9	56.9 – 57.6
ST-3	20 Minutes	57.0	61.1	58.7[C]	59.5 – 59.6	58.6 – 58.7	58.2 – 58.3

Source: MIG, 2020 (See Appendix E.1)
(A) Values are the lowest and highest measured 10-minute interval average.
(B) L_{dn} data is only presented for full 24-hour monitoring days (midnight to midnight).
(C) For both 10-minute averages the Leq was 58.7 dBA. Therefore, there is no range to present.

As depicted in Table 12, daytime sound levels generally decreased at LT-1 from Thursday to Saturday, while daytime sound levels at LT-2 generally remained constant throughout the monitoring duration. This variation in noise levels between the two sites is likely due to a decrease in operational activities near LT-1 (e.g., Kidango is closed over the weekend) while activities near LT-2 (e.g., HVAC operation, automobiles traveling to and from the hospital, etc.) remained relatively consistent between the weekdays and weekend. As shown in Table 13, the short-term noise measurements indicate that daytime noise levels were generally greatest along Thornton Road and Empey Way, where motor vehicle operation was present. The measurement at ST-3 (i.e., between the Main Hospital and West Wing where the main ER entrance is) indicates that noise levels from the generators operating at the temporary, outdoor ER are consistent and do not vary much; there is an approximate 0.5 dBA difference between the lower L90 value (i.e., background noise) and the average Leq value.

Sensitive Receptors

Noise sensitive receptors are areas where unwanted sound or increases in sound may have an adverse effect on people or land uses. Residential areas, hospitals, schools, and parks are examples of noise receptors that could be sensitive to changes in existing environmental noise levels. Noise sensitive receptors in proximity of the project site are described below and shown in Figure 13:

- R-1: Patients at the main hospital, approximately 130 feet east of the proposed Behavioral Health Center site;
- R-2: Students at Kidango Preschool / Daycare approximately 100 feet northwest of the proposed parking garage site;
- R-3: Single-family residential receptors approximately 450 feet northwest of the proposed Behavioral Health Center site on Empey Way;
- R-4: Multi-family residential receptors at the Sierra Crest Condominiums approximately 370 feet from the proposed parking garage site on Thornton Way;
- R-5 and R-6: Single-family residential receptors on Fruitdale Avenue (i.e., between Enborg Lane and Fruitdale Avenue), approximately 370 feet south of the T24 lot construction staging area and approximately 70 feet south of Don Lowe Pavilion;
- R-7: Single-family residential receptors on Moorpark Avenue, approximately 280 feet northwest of the construction staging area immediately north of and adjacent to Parking Structure #2; and

- R-8: Multi-family residential receptors on Moorpark Avenue, approximately 200 feet north of the construction staging area immediately north of and adjacent to Parking Structure #2.

DISCUSSION:

a) Less than Significant Impact with Mitigation Incorporated. Construction and operation of the proposed project would not generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project site that are in excess of standards established in the County's General Plan or Noise Ordinance, nor would it conflict with other applicable standards of other agencies, after the incorporation of Mitigation Measure NOI-1.

Short-term, Temporary Construction Noise Levels

The County of Santa Clara regulates construction noise through the enforcement of its Ordinance Code and General Plan. The County Ordinance Code establishes the following requirements specific to construction-related noise sources (Santa Clara County, 2020):

- Section B11-154(b)(6)(a) prohibits operating construction tools or equipment between 7 PM to 7 AM, Monday to Saturday, and at any time on Sunday and holidays, that creates a noise disturbance across a property line, except for emergency work of public service utilities or by variance.
- Section B11-154(b)(6)(b) requires, where technically and economically feasible, construction activities to be conducted in a manner so that the maximum noise levels at affected properties do not exceed those listed in Table 14.

Table 14. County Ordinance Code – Mobile Source Construction Noise Level Standards

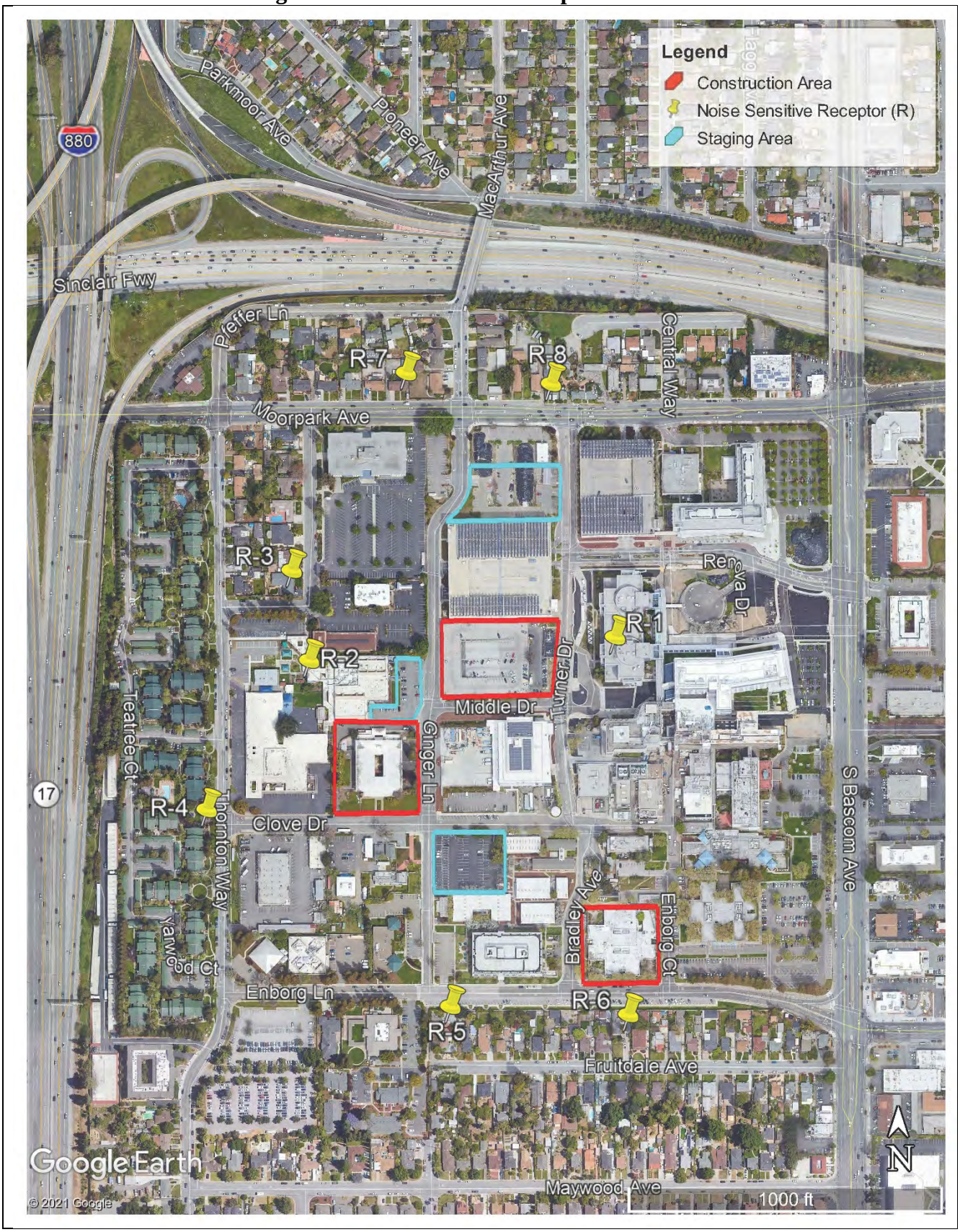
Construction Noise Source and Time Period[(A)]	Construction Noise Limit (dBA L_{max}) by Land Use Type		
	Single/Two-Family Residential	Multifamily Residential	Commercial
7 AM to 7 PM (Monday – Saturday)	75	80	85
7 PM to 7 AM (Daily)[(B)]	50	55	60

Source: County of Santa Clara Ordinance Code, Section B11-154(b)(6); Reformatted by MIG.

(A) Construction activities are prohibited between 7 PM and 7 AM on Sundays and legal holidays; therefore, the daytime noise limits are applicable Monday through Saturday only. Nighttime noise limits are applicable on a daily basis, including Sundays and legal holidays.

(B) These standards also apply on Sundays and legal holidays.

Figure 13. Noise Sensitive Receptor Locations



In addition, although not specific to construction activities, Section B11-154 also generally prohibits:

- Operating or playing a radio between 10 PM and 7 AM in a manner that creates a noise disturbance across a property line (B11-154(b)(1)).
- Use of a loudspeaker, public address system, or other similar device between 10 PM and 7 AM in a manner that creates a noise disturbance across a property line (B11-154(b)(2)).
- Loading or unloading building materials between 10 PM and 7 AM in a manner that creates a noise disturbance across a property line (B11-154(b)(5)).

The County Ordinance Code also permits variances from the aforementioned standards / requirements through a Variance Permit procedure outlined in County Code Section B11-157. The Variance Permit is issued by the County Director of Environmental Health and requires that the disturbance created by the variance does not create a nuisance, nor would the variance be detrimental to the public health and safety. Variance Permits are subject to a public hearing, and conditions may be required by the County Director of Environmental Health to protect the public health, safety, and welfare from adverse effects caused by the noise emanating from the project site. Variance Permits are granted for a period of 120 days but may be renewed in compliance with the permit procedure.

The County of Santa Clara's General Plan, Book B Safety and Noise Chapter, identifies that the County's citizens are entitled to a peaceful and quiet environment, free from unnecessary and annoying levels of noise. The General Plan's Safety and Noise Chapter contains the following policy that is relevant to the proposed project:

- **R-HS 1:** Significant noise impacts from either public or private projects should be mitigated.

The proposed project is located on County land but is surrounded by residential and commercial land uses that reside within the City of San Jose. The City of San Jose Municipal Code, Section 20.100.450, limits hours of construction within 500 feet[11] of a residential unit to the hours of 7 AM to 7 PM, Monday through Friday, for projects requiring a development permit or other planning approval from the City. These hours of construction are generally consistent with those outlined in the County's Code, but the County's Code also allows for construction on Saturdays, whereas the City's does not. The County would not require a development permit nor any other planning approval from the City of San Jose and is therefore not subject to the City's Municipal Code requirements. Nonetheless, the City's standards have been provided for informational and disclosure purposes.

Based on the regulatory information presented above, the proposed project would result in a significant construction noise impact if it would:

A) Exceed the exterior noise levels presented in County Code Section B11-154(b)(6)(b) (see Table 14), or otherwise result in a substantial noise level increase; or

B) Create a significant noise impact that cannot be mitigated (see County General Plan Policy R-HS 1).

[11] Construction activities associated with all project elements (i.e., the Behavioral Health Center, new parking garage, and demolition of the Don Lowe Pavilion) would all take place within 500 feet of a San Jose residence.

Table 15 summarizes the applicable thresholds for all sensitive receptor locations, based on the County's standards contained in Code Section B11-154(b)(6)(b). The County does not maintain exterior construction noise level standards for hospital land uses; therefore, the County's standards for multifamily residential dwelling units has been applied.[12]

Table 15. County Construction Noise Level Standards for Noise Sensitive Receptors

Receptor[(A)]	Construction Noise Limit (dBA L_{max})	
	Daytime (7 AM – 7 PM)	Nighttime (7 PM – 7 AM)
R-1: Main Hospital[(B)]	80	55
R-2: Kidango Preschool / Daycare[(C)]	85	60
R-3: Empey Way (Single-family Residential)	75	50
R-4: Sierra Crest Condominiums	80	55
R-5: Fruitdale Ave (Single-family Residential)	75	50
R-6: Fruitdale Ave (Single-family Residential)	75	50
R-7: Moorpark Ave (Single-family Residential)	75	50
R-8: Moorpark Ave (Multi-family Residential)	80	55

Source: County of Santa Clara Ordinance Code, Section B11-154(b)(6); Modified by MIG.

(A) See Figure 12 for the locations of sensitive receptors.

(B) The County's multifamily residential noise level standards have been applied to the Main Hospital as a conservative practice for addressing potential impacts.

(C) The County's commercial noise level standards have been applied to Kidango Preschool / Daycare.

As described in the Project Description (see Section 5), the proposed project would involve construction activities lasting approximately two-and-a-half years, with initial construction activities (i.e., demolition of the former Sam Della Maggiore School and Parking Structure #3) beginning as early as June 2021. Overall, construction activities at the Parking Structure #3/Behavioral Health Center site are anticipated to last approximately two years and four-and-a-half months, while construction of the new parking garage (i.e., at former Sam Della Maggiore School site) is anticipated to last approximately 12 months.[13] Once construction activities associated with the proposed parking structure and Behavioral Health Center are complete, and the Behavioral Health Center is operational, the County would proceed with demolition of the Don Lowe Pavilion.

XL Construction, the project's construction contractor, has indicated that double-shift work would be required for some phases of construction at the Behavioral Health Center site in order for it to be operational by October 2023. Double-shift work would involve a 6:00 AM to 10:00 PM workday at the site, as opposed to a 7:00 AM to 7:00 PM workday. The following phases at the Behavioral Health Center site are anticipated to require double shifts in order to meet the project's objectives of having the Behavioral Health Center be operational by October 2023:

[12] The County's General Plan identifies noise land use compatibility standards for residential and hospital land uses. The hospital land use's land use compatibility standards are approximately 5 dBA higher than residential land uses. Given that the County Ordinance Code has two different distinctions for residential land uses, with the commercial land use standards being approximately 10 dBA higher than the single-family residential land use standards, this analysis conservatively uses the multi-family standards, which is 5 dBA higher than the single-family standards; an increase consistent with that provided in the County's General Plan (County of Santa Clara, 1994 and 2020).

[13] All 12 months of construction activities at the parking garage site would overlap with construction activities at the Behavioral Health Center.

- Grading and Excavation (approximately August 2021 through November 2021);
- Exterior Wall / Interior Improvements (approximately August 2022 through April 2023); and
- Architectural Coating Work (approximately September 2023 through mid-October 2023).

Based on the equipment list provided for each project component by XL Construction, construction activities during the grading/excavation phase and foundation construction phase are anticipated to produce the loudest noise levels. Overall construction noise from the sites would decrease as the superstructures of the Behavioral Health Center and proposed parking structure are erected, and construction activities transition to interior work. This analysis focuses on potential worst-case impacts associated with the construction phases, locations, equipment, and potential daytime and evening/nighttime hours identified in Table 16.

Table 16. Worst-case Construction Noise Level Phases and Characteristics

Construction Site / Phase	Construction Equipment	Construction Hours	
		Daytime (7AM – 7PM)	(Evening/ Nighttime) 6AM; 7-10PM
Behavioral Health Center			
Grading and Excavation	• Two (2) Excavators • One (1) Bulldozer • One (1) Drill Rig • One (1) Air Compressor	Yes	Yes
Foundation Construction	• One (1) Forklift[(A)] • One (1) Concrete Pump • One (1) Crane • One (1) Air Compressor • One (1) Welder	Yes	No
Exterior Wall / Interior Improvements	• One (1) Crane • Two (2) Air Compressors • Two (2) Boom Lifts	Yes	Yes
Proposed Parking Garage			
Grading and Excavation	• Two (2) Excavators • One (1) Bulldozer • One (1) Drill Rig • One (1) Air Compressor	Yes	No
Foundation Construction	• One (1) Forklift[(A)] • One (1) Concrete Pump • One (1) Crane • One (1) Air Compressor • One (1) Welder	Yes	No

Table 16. Worst-case Construction Noise Level Phases and Characteristics

Construction Site / Phase	Construction Equipment	Construction Hours	
		Daytime (7AM – 7PM)	(Evening/ Nighttime) 6AM; 7-10PM
Demolition of Don Lowe Pavilion			
Demolition	• 1 Excavator • 2 Loaders	Yes	No
Construction Staging at Moorpark Avenue, Timpany Center, and T24 Parking Lot			
Construction Staging	• One (1) Forklift(A) • One (1) Gradall • Service Truck	Yes	Yes

Source: XL Construction, 2020, 2021a, and 2021b

(A) The Federal Highway Administration's (FHWA) Roadway Construction Noise Model (RCNM) does not have a forklift as one of the pieces of equipment listed to estimate construction noise levels. A front-end loader was used in lieu of a forklift for noise estimation purposes.

The demolition and construction activities described above would require the use of heavy-duty off-road construction equipment (e.g., bulldozers, excavators, cranes, etc.) that could temporarily increase noise levels at adjacent properties.

This Initial Study estimates heavy-duty construction equipment noise levels using the Federal Highway Administration's (FHWA) Roadway Construction Noise Model (RCNM). The RCNM is a computer program that uses empirical data and sound propagation principles to predict noise levels associated with a variety of construction equipment and operations (see Appendix E.2).

The RCNM was used to estimate noise levels at the eight receptors locations described in the "Setting" section above and shown in Figure 13. The specific distances between the project site and sensitive receptor locations are shown in Table 17. Whereas the distances provided in the "Setting" section correspond to the distances between work areas and sensitive receptor locations, this analysis adds an additional 50 feet of buffer space from the work area to sensitive receptor location to reflect that all pieces of equipment modeled in the RCNM would not be able to operate at the closest point between the construction work area and sensitive receptor locations.[14] Construction equipment would be transient and required throughout the construction work areas. Therefore, the 50-foot buffer within the work area provides an appropriate distance for assessing the varying distances that equipment would be operating at within the work area, relative to sensitive receptor locations.

[14] The 50-foot buffer is specifically for the construction equipment operating at the various construction sites. The additional distance added for various pieces of equipment at the staging areas may be greater or less than 50 feet to reflect source location and operating characteristics.

Table 17. Distance Between Construction Sites and Modeled Construction Noise Receptors

Construction Site	Modeled Receptor / Distance to Work Area (feet)							
	R-1	R-2	R-3	R-4	R-5	R-6	R-7	R-8
Behavioral Health Center	180	360	420	910	--(A)	--(A)	--(B)	--(B)
Proposed Parking Garage	670	150	460	420	680	--(B)	--(B)	--(B)
Don Lowe Pavilion	--(B)	--(B)	--(B)	--(B)	460	135	--(B)	--(B)
Moorpark Ave Staging	370	--(B)	650	--(A)	--(A)	--(A)	475	380
Timpany Center Staging	610	280	450	--(B)	970	--(A)	880	--(B)
T24 Lot Staging	--(B)	810	--(B)	870	460	--(B)	--(B)	--(B)

Source: MIG, 2021

(A) Construction noise levels for receptors 1,000 feet or more from a construction work area have not been estimated.

(B) There are large, intervening building(s) between the construction site and receptor location that would inhibit the transmission of noise to this location. Therefore, construction noise levels have not been evaluated at this receptor site and construction activity.

Table 18 though Table 25 summarize the modeled heavy-duty off-road construction equipment noise levels at sensitive receptor locations R-1 through R-8, based on the construction phases and equipment identified in Table 16 and distances provided in Table 17. Table 18 though Table 25 also compare estimated project construction noise levels against applicable County standards, and any construction noise levels that are above County standards. Where applicable, the noise level estimations reflect anticipated shielding that would be provided by intervening structures (i.e., buildings between work areas and receptor locations).

Table 18. Estimated Construction Noise Levels at R-1: Main Hospital

Construction Site / Phase	Construction Noise Levels (Lmax)	County Standards (Lmax)[A]		Net Exceedance (Lmax)	
		Daytime	Evening / Nighttime	Daytime	Evening / Nighttime
Behavioral Health Center					
Grading and Excavation	73.2	80	55	None	+18.2
Foundation Construction	70.3			None	+15.3
Exterior Wall / Interior Improvements	69.4			None	+14.4
Proposed Parking Garage					
Grading and Excavation	60.3[B]	80	--[C]	None	--[C]
Foundation Construction	58.9			None	--[C]
Demolition of Don Lowe Pavilion					
Demolition	--[C]	--[C]	--[C]	--[C]	--[C]
Staging Areas					
Moorpark Ave	62.9[D]	80	55	None	+7.9
Timpany Center	63.6			None	+8.6
T24 Parking Lot	--[C]			--[C]	--[C]

Source: See Appendix E.2.

(A) See Table 15.

(B) As shown in Appendix E.2, the combined Leq for all equipment operating during this phase would be higher than any one piece of equipment's Lmax value. Therefore, the Leq value has been presented instead of the Lmax.

(C) No noise level estimates generated for this construction phase / time at receptor location. See Table 17.

(D) This noise level estimates assumes Parking Garage #2 would provide approximately an approximately 5 dBA reduction due to shielding.

Table 19. Estimated Construction Noise Levels at R-2: Kidango

Construction Site / Phase	Construction Noise Levels (Lmax)	County Standards (Lmax)[A]		Net Exceedance (Lmax)	
		Daytime	Evening / Nighttime	Daytime	Evening / Nighttime
Behavioral Health Center					
Grading and Excavation	57.2[B]	85	60	None	None
Foundation Construction	54.3[B]			None	None
Exterior Wall / Interior Improvements	53.4[B]			None	None
Proposed Parking Garage					
Grading and Excavation	63.3[B][C]	85	--[D]	None	--[D]
Foundation Construction	61.9[B]			None	--[D]
Demolition of Don Lowe Pavilion					
Demolition	--[D]	--[D]	--[D]	--[D]	--[D]
Staging Areas					
Moorpark Ave	--[D]	85	60	--[D]	--[D]
Timpany Center	60.3[B]			None	+0.3
T24 Parking Lot	--[D]			--[D]	--[D]

Source: See Appendix E.2.

(A) See Table 15.

(B) This noise level estimates assumes a 10 dBA reduction due to shielding provided by the Timpany Center.

(C) As shown in Appendix E.2, the combined Leq for all equipment operating during this phase would be higher than any one piece of equipment's Lmax value. Therefore, the Leq value has been presented instead of the Lmax.

(D) No noise level estimates generated for this construction phase / time at receptor location. See Table 17.

Table 20. Estimated Construction Noise Levels at R-3: Empey Way

Construction Site / Phase	Construction Noise Levels (Lmax)	County Standards (Lmax)[A]		Net Exceedance (Lmax)	
		Daytime	Evening / Nighttime	Daytime	Evening / Nighttime
Behavioral Health Center					
Grading and Excavation	65.9	75	50	None	+15.9
Foundation Construction	62.9			None	+12.9
Exterior Wall / Interior Improvements	62.1			None	+12.1
Proposed Parking Garage					
Grading and Excavation	53.6[B][C]	75	--[D]	None	--[D]
Foundation Construction	52.1[B]			None	--[D]
Demolition of Don Lowe Pavilion					
Demolition	--[D]	--[D]	--[D]	--[D]	--[D]
Staging Areas					
Moorpark Ave	63.0	75	50	None	+13.0
Timpany Center	56.2[B]			None	+6.2
T24 Parking Lot	--[D]			--[D]	--[D]

Source: See Appendix E.2.

(A) See Table 15.

(B) This noise level estimates assumes a 10 dBA reduction due to shielding provided by the Timpany Center.

(C) As shown in Appendix E.2, the combined Leq for all equipment operating during this phase would be higher than any one piece of equipment's Lmax value. Therefore, the Leq value has been presented instead of the Lmax.

(D) No noise level estimates generated for this construction phase / time at receptor location. See Table 17.

Table 21. Estimated Construction Noise Levels at R-4: Sierra Crest Condominiums

Construction Site / Phase	Construction Noise Levels (Lmax)	County Standards (Lmax)[A]		Net Exceedance (Lmax)	
		Daytime	Evening / Nighttime	Daytime	Evening / Nighttime
Behavioral Health Center					
Grading and Excavation	59.2	80	55	None	+4.2
Foundation Construction	56.2			None	+1.2
Exterior Wall / Interior Improvements	55.3			None	+0.3
Proposed Parking Garage					
Grading and Excavation	64.4[B]	80	--[C]	None	--[C]
Foundation Construction	62.9				--[C]
Demolition of Don Lowe Pavilion					
Demolition	--[C]	--[C]	--[C]	--[C]	--[C]
Staging Areas					
Moorpark Ave	--[C]	80	55	--[C]	--[C]
Timpany Center	--[C]			--[C]	--[C]
T24 Parking Lot	55.5			None	+0.5

Source: See Appendix E.2.

(A) See Table 15.

(B) As shown in Appendix E.2, the combined Leq for all equipment operating during this phase would be higher than any one piece of equipment's Lmax value. Therefore, the Leq value has been presented instead of the Lmax.

(C) No noise level estimates generated for this construction phase / time at receptor location. See Table 17.

Table 22. Estimated Construction Noise Levels at R-5: Fruitdale Avenue (West)

Construction Site / Phase	Construction Noise Levels (Lmax)	County Standards (Lmax)[A]		Net Exceedance (Lmax)	
		Daytime	Evening / Nighttime	Daytime	Evening / Nighttime
Behavioral Health Center					
Grading and Excavation	--[B]	--[B]	--[B]	--[B]	--[B]
Foundation Construction	--[B]			--[B]	--[B]
Exterior Wall / Interior Improvements	--[B]			--[B]	--[B]
Proposed Parking Garage					
Grading and Excavation	55.2[C]	--[B]	--[B]	None	--[B]
Foundation Construction	53.7			None	--[B]
Demolition of Don Lowe Pavilion					
Demolition	61.4	75	--[B]	None	--[B]
Staging Areas					
Moorpark Ave	--[B]	75	50	--[B]	--[B]
Timpany Center	49.5[C]			None	None
T24 Parking Lot	46.0[D]			None	None

Source: See Appendix E.2.

(A) See Table 15.

(B) No noise level estimates generated for this construction phase / time at receptor location. See Table 17.

(C) As shown in Appendix E.2, the combined Leq for all equipment operating during this phase would be higher than any one piece of equipment's Lmax value. Therefore, the Leq value has been presented instead of the Lmax.

(D) This noise level estimates assumes a 10 dBA reduction due to shielding provided by the concrete wall present along Enborg Lane.

(E) This noise level estimates assumes a 15 dBA reduction for the gradall and forklift due to single-story intervening structures and the concrete wall present along Enborg Lane, and a 50 dBA reduction for the vacuum truck due to the approximately four-story building present between the construction site and receptor location and the concrete wall present along Enborg Lane.

Table 23. Estimated Construction Noise Levels at R-6: Fruitdale Avenue (East)

Construction Site / Phase	Construction Noise Levels (Lmax)	County Standards (Lmax)[A]		Net Exceedance (Lmax)	
		Daytime	Evening / Nighttime	Daytime	Evening / Nighttime
Behavioral Health Center					
Grading and Excavation	--[B]	--[B]	--[B]	--[B]	--[B]
Foundation Construction	--[B]			--[B]	--[B]
Exterior Wall / Interior Improvements	--[B]			--[B]	--[B]
Proposed Parking Garage					
Grading and Excavation	--[B]	--[B]	--[B]	--[B]	--[B]
Foundation Construction	--[B]			--[B]	--[B]
Demolition of Don Lowe Pavilion					
Demolition	72.1	75	--[B]	None	--[B]
Staging Areas					
Moorpark Ave	--[B]	--[B]	--[B]	--[B]	--[B]
Timpany Center	--[B]			--[B]	--[B]
T24 Parking Lot	--[B]			--[B]	--[B]

Source: See Appendix E.2.

(A) See Table 15.

(B) No noise level estimates generated for this construction phase at receptor location. See Table 17.

Table 24. Estimated Construction Noise Levels at R-7: Moorpark Ave (Single-family)

Construction Site / Phase	Construction Noise Levels (Lmax)	County Standards (Lmax)[A]		Net Exceedance (Lmax)	
		Daytime	Evening / Nighttime	Daytime	Evening / Nighttime
Behavioral Health Center					
Grading and Excavation	--[B]	--[B]	--[B]	--[B]	--[B]
Foundation Construction	--[B]			--[B]	--[B]
Exterior Wall / Interior Improvements	--[B]			--[B]	--[B]
Proposed Parking Garage					
Grading and Excavation	--[B]	--[B]	--[B]	--[B]	--[B]
Foundation Construction	--[B]			--[B]	--[B]
Demolition of Don Lowe Pavilion					
Demolition	--[B]	--[B]	--[B]	--[B]	--[B]
Staging Areas					
Moorpark Ave	65.7	75	50	None	+15.7
Timpany Center	60.4			None	+10.4
T24 Parking Lot	--[B]			--[B]	--[B]

Source: See Appendix E.2.

(A) See Table 15.

(B) No noise level estimates generated for this construction phase / time at receptor location. See Table 17.

(C) As shown in Appendix E.2, the combined Leq for all equipment operating during this phase would be higher than any one piece of equipment's Lmax value. Therefore, the Leq value has been presented instead of the Lmax.

Table 25. Estimated Construction Noise Levels at R-8: Moorpark Ave (Multi-family)

Construction Site / Phase	Construction Noise Levels (Lmax)	County Standards (Lmax)[A]		Net Exceedance (Lmax)	
		Daytime	Evening / Nighttime	Daytime	Evening / Nighttime
Behavioral Health Center					
Grading and Excavation	--[B]	--[B]	--[B]	--[B]	--[B]
Foundation Construction	--[B]			--[B]	--[B]
Exterior Wall / Interior Improvements	--[B]			--[B]	--[B]
Proposed Parking Garage					
Grading and Excavation	--[B]	--[B]	--[B]	--[B]	--[B]
Foundation Construction	--[B]			--[B]	--[B]
Demolition of Don Lowe Pavilion					
Demolition	--[B]	--[B]	--[B]	--[B]	--[B]
Staging Areas					
Moorpark Ave	67.7	80	55	None	+12.7
Timpany Center	--[B]			--[B]	--[B]
T24 Parking Lot	--[B]			--[B]	--[B]

Source: See Appendix E.2.

(A) See Table 15.

(B) No noise level estimates generated for this construction phase at receptor location. See Table 17.

As shown in Table 18 through Table 25, at no point during the daytime (i.e., 7 AM to 7 PM) would construction activities result in noise levels that are in excess of County standards. Therefore, if construction were only to occur during the daytime hours (7 AM to 7 PM, Monday through Saturday), no mitigation would be required. However, construction noise levels during the nighttime (6 AM to 7 AM) and evening (7 PM to 10 PM) periods associated with double-shift work would have the potential to exceed applicable standards at the following receptor locations:

- R-1: Main Hospital – 18.2 dBA exceedance associated with construction activities at the Behavioral Health Center site;
- R-2: Kidango Preschool / Daycare – 0.3 dBA exceedance associated with staging activities in the Timpany Parking Lot;[15]
- R-3: Empey Way – 15.9 dBA exceedance associated with construction activities at the Behavioral Health Center site;
- R-4: Sierra Crest Condominiums – 4.2 dBA exceedance associated with construction activities at the Behavioral Health Center site;
- R-7: Moorpark Avenue (Single-family Residential) – 15.7 dBA exceedance associated with potential staging activities at the Moorpark Avenue lot; and
- R-8: Moorpark Avenue (Multi-family Residential) – 12.7 dBA exceedance associated with potential staging activities at the Moorpark Avenue lot.

As identified above, the greatest exceedance of County standards would occur at R-1 (Main Hospital) during grading and excavation at the Behavioral Health Center site, and would be approximately 18.2 dBA higher than the applicable evening / nighttime standard. This exceedance is in large part due to the site's proximity to the Main Hospital (i.e., directly across Turner Road), the type and number of equipment that would be required for this construction phase (i.e., large, heavy-duty earth-moving equipment; excavators, bulldozers, etc.), and the standard that is applicable to evening and nighttime construction work (i.e., 55 dBA). The next receptor locations to experience the highest noise levels in excess of County standards would be R-3 (Empey Way) and R-7 (Moorpark Avenue). At these locations, construction noise levels from grading and excavation phases at the Behavioral Health Center site and staging activities at the Moorpark Avenue lot would be approximately 15.9 dBA and 15.7 dBA above the County's applicable evening / nighttime standard of 50 dBA, respectively. The above exceedances represent a potentially significant impact. Mitigation Measure NOI-1 would be implemented to reduce potentially significant noise levels that could occur during the evening and nighttime periods associated with double-shift construction work at the Behavioral Health Center site and associated staging areas. Mitigation Measure NOI-1 requires the installation of temporary sound barriers to reduce noise levels from these sites. The performance standard for the sound barriers could be as high as 16 dB, based on the exceedances shown at R-3 (Empey Way) and R-7 (Moorpark Avenue), which have estimated noise levels that are 15.9 dBA and 15.7 dBA above the County's

[15] Although the construction noise modeling shows that staging activities in the Timpany Center parking lot could exceed the applicable evening / nighttime noise standard by 0.3 dBA at R-2 (Kidango), this exceedance is not considered to be a potentially significant impact. The specific source that would generate this sound level increase is associated with the operation of a vacuum truck. All other pieces of equipment associated with staging (e.g., gradall and forklift) would not generate noise levels that exceed evening / nighttime standards. Per County Ordinance Code Section B11-154(b)(5) and Mitigation Measure NOI-1, the use of a vacuum truck would be limited to the hours of 7:00 AM to 10:00 PM. Since Kidango is only open from 6:30 AM to 6:00 PM, the use of a vacuum truck would not have the potential to expose receptors to noise levels that potentially exceed applicable County standards at this location (i.e., receptors would not be present at this location from 7:00 PM to 10:00 PM, when there is the potential for this standard to be exceeded). The exceedance shown at this receptor location is not considered potentially significant for the reason outlined above and is not discussed further in this section.

standards shown in County Ordinance Code Section B11-154(b)(6)(b), respectively. However, a supplemental noise study will be conducted to establish the specific performance standard(s) required for the sound barriers. The design of the sound barriers would be based on the higher of the ambient noise monitoring results or the standards identified in County Ordinance Code Section B11-154(b)(6)(b). If measured ambient noise levels monitored at receptor locations do not exceed the County's nighttime noise standards specified in County Ordinance Code Section B11-154(b)(6)(b), then the performance standard for the barriers would be based on the standards specified in Section B11-154(b)(6)(b). By designing the construction sound barrier such that mitigated construction noise levels at receptor locations would be at the existing ambient noise environment (or County standards), whichever is lower, the project would not result in a substantial, perceptible noise increase at off-site receptor locations. The design specifications for the sound barriers (e.g., materials, thicknesses, heights) would be dependent on the specific performance standard(s) required (based on the results of the supplemental noise study). Materials used to construct typical sound barriers that can achieve up to a 14 dB reduction in noise levels include plywood, K-rails, and acoustical foam. Construction barriers that are thicker and taller provide more attenuation than those that are thinner and shorter. Commercial-grade products such as fiberglass paneling/acoustical blankets can be used to meet higher attenuation standards (e.g., 16 dB). The specific barrier design for the proposed project may need to be as high as 12 feet in some locations, and outfitted with a combination of plywood and commercially available acoustical blankets with a Sound Transmission Class value between 26 and 30 in order to meet a 16 dB reduction in construction noise levels (i.e., the greatest exceedance that could result in a significant impact). These materials (e.g., plywood, commercial acoustical blankets, K-rails, etc.) are commercially available, and could be purchased in the quantity necessary to achieve the maximum performance standard required for the sound barrier.

The construction sound barrier would not be required to meet an 18.2 dBA performance standard for R-1 (Main Hospital) for the following reasons:

1) As shown in Table 12, the ambient noise environment in proximity of the Main Hospital (see LT-2) is already relatively loud, primarily due to the building's HVAC that pushes air out toward the base of the building. The lowest recorded hourly noise level during the 6 AM to 7AM and 7 PM to 10 PM time frames was approximately 57.1 dBA, or 2.1 dBA above the applied standard of 55 dBA for evening and nighttime construction activities at this receptor location. Therefore, it would not be feasible to reduce the ambient noise environment at the Main Hospital to a level below 55 dBA based on project conditions alone.
2) Standard building construction techniques reduce exterior to interior noise levels by approximately 21 to 22 dBA.[16] The mitigated, exterior construction noise levels at R-1 would be approximately 57.2 dBA, meaning that interior noise levels would be close to approximately 36.2 dBA. This interior noise level would be consistent with (i.e., below) the 45 dBA noise level standard called out in the "Recommended Maximum Interior Noise Levels for Intermittent Noise" table in Book B of the County's General Plan.

[16] The U.S. Department of Housing and Urban Development (HUD) Noise Guidebook and supplement includes information on noise attenuation provided by building materials and different construction techniques (U.S. DHUD, 2009a and 2009b). As a reference, a standard exterior wall consisting of 2x4" studs spaced 16" on center and ½" gypsum wall board screwed to studs provides an approximate 34 dBA reduction between exterior and interior noise levels. Incorporation of windows occupying approximately 30% of the exterior wall façade could reduce attenuation by approximately 10 dBA. Attenuation provided may be slightly lower yet (2-3 dBs) for traffic noise due to the specific frequencies associated with traffic noise. It is conservatively assumed standard building construction would provide an exterior to interior noise reduction of approximately 21 to 22 dBA.

3) Combined construction noise levels with the existing ambient noise environment would not result in a substantial increase in noise levels (i.e., 3 dB) at this receptor location (see a discussion of sound level perceptibility in the "Sound Characterization" subsection).

MITIGATION:

Impact NOI-1: Double-shift construction work associated with the proposed project would involve construction work during the evening and nighttime hours that could exceed the levels permitted under County Ordinance Code Section B11-154(b)(6)(b).

Mitigation Measure NOI-1: To reduce potential noise levels associated with construction activities at the proposed Behavioral Health Center site and staging areas, the County and/or it's designated contractors, contractor's representatives, or other appropriate personnel shall conduct the following activities, and adhere to and implement the following measures:

- *1.1 Prepare a Supplemental Noise Study and Establish Performance Standard for Sound Barriers*. The County shall conduct a supplemental noise study that documents the ambient noise environment (including the evening and nighttime noise environment) at sensitive receptor locations near project construction and staging areas. This study shall measure ambient noise levels over a minimum three-day period that includes at least one weekend night and, if measured ambient noise levels (on an hourly Leq basis) exceed the County's nighttime noise standards specified in County Ordinance Code Section B-11-154(b)(6)(b), the study may be used to show it is technically infeasible to meet the County's nighttime noise standards. The supplemental noise study shall set forth the required performance standard and design specifications for the temporary sound barriers, such that construction noise levels associated with the project meet the higher of the ambient noise monitoring results or the standards identified in County Ordinance Code Section B-11-154(b)(6)(b). Based on the difference between estimated construction noise levels and the standards contained in County Ordinance Code Section B-11-154(b)(6)(b), the performance standard could be as high as 16 dB.

- *1.2 Construct/Install Temporary Noise Barriers:* Prior to any construction activities associated with the project that occur between the 7 PM and 7 AM Monday to Saturday, or at any time on Sundays or holidays, the County shall install physical sound barriers around the perimeter of the Behavioral Health Center site and Moorpark Avenue staging area (if used). The specific performance standard and design specifications for the sound barriers shall be presented in the supplemental noise study prepared pursuant to this mitigation measure. Access to the Behavioral Health Center site (e.g., gates) shall be located at the northwest and northeast corners of the site. A construction noise barrier shall be located on the western side of Ginger Lane, across from the Behavioral Health Center site's access point, to inhibit noise from being transmitted directly to residential receptors on Empey Way. The barrier along Ginger Lane shall extend along the northern side of the Timpany Center staging area. Construction noise barriers shall be maintained throughout any and all construction activities involving double-shift construction work at the Behavioral Health Center site. Depending on the results of the supplemental noise study, the noise barriers may consist of the following:

    - 1.2a A concrete, wood, or other barrier installed at-grade (or mounted to structures located at-grade, such as K-Rail) along the project property line. Such a wall/barrier shall contain no gaps in the structure through which noise may pass.

- 1.2b Commercially available acoustic panels or other products such as acoustic barrier blankets installed along the project property line, building envelope or, if feasible and necessary, at or near sensitive residential receptor areas.
- 1.2c Any combination of noise barriers and commercial products capable of achieving the performance standard established pursuant to Mitigation Measure NOI-1, part 1.1, to achieve the required reductions in construction noise levels at sensitive receptor locations.

- *1.3 Construction Equipment Care, Siting, and Design Measures*. The following construction equipment care, siting, and design measures shall apply during construction activities:
  - 1.3a Heavy equipment engines shall be covered, and exhaust pipes shall include a muffler in good working condition. Pneumatic tools shall include a noise suppression device on the compressed air exhaust.
  - 1.3b The County shall connect to existing electrical service at the site, where practical, to avoid the use of stationary, diesel- or other alternatively-fueled power generators.
  - 1.3c Refuse collection and bathroom amenities at staging sites shall be located as far from receptor locations as practical and/or where distance, in conjunction with physical barriers, provides the greatest reduction in construction staging noise levels. At the Moorpark Avenue lot, this is on the southern boundary of the site, adjacent to Parking Structure #2. At the T24 parking lot, this is at the southeastern corner or the site.
  - 1.3d No radios shall be operated between 10 PM and 7 AM in a manner that creates a noise disturbance across a property line (County Ordinance Code Section B11-154(b)(1)).
  - 1.3e No loudspeaker, public address systems, or other similar device shall be operated between 10 PM and 7 AM in a manner that creates a noise disturbance across a property line (County Ordinance Code Section B11-154(b)(2)).
  - 1.3f Heavy-duty vehicle storage and start-up areas shall be located as far away from occupied residences where feasible.
  - 1.3g All equipment shall be turned off if not in use for more than five minutes.

- *1.4 Construction Traffic.* Construction truck traffic, including soil hauling, equipment deliveries, concrete deliveries, and other vendor deliveries shall be limited to the hours of 7 AM to 10 PM, Monday through Saturday, consistent with County Ordinance Code Section B11-154(b)(5), and follow designated delivery routes prepared for the project designed to minimize potential noise impacts at nearby sensitive residential receptor locations. These provisions shall be incorporated in the Traffic Control Plan prepared for the project.

Effectiveness: Implementation of Mitigation Measure NOI-1 would render the project consistent with County Ordinance Code Section B-11-154(b)(6)(b). There are commercially available products that would be utilized to meet a maximum reduction of 16 dB reduction in construction sound levels at receptor locations.

Implementation: County of Santa Clara.

Timing: The supplemental noise study shall be prepared, made public, and shared with property owners affected by the Variance Permit prior to the Variance Permit's public hearing. The construction noise barriers shall be constructed

and maintained throughout any and all construction activities at the Behavioral Health Center site and staging areas that involve work between the hours of 7:00 PM and 7:00 AM on any weekday and Saturday or at any time on Sundays or holidays. Additional requirements specified in this measure, such as limitations on radio use and construction material deliveries during the evening and nighttime hours, shall be enforced by the construction manager.

Monitoring: The County shall review all engineering and site plan documents for inclusion of this requirement. The final type, placement, and design of the project's temporary noise barrier(s) shall be provided by a qualified acoustical consultant prior to installation to ensure proper function and a minimum attenuation required pursuant to the findings of the supplemental noise study.

The following elements of Mitigation Measure NOI-1 are required to reduce construction noise to a level that is less than significant:

- 1.1 Preparation of supplemental noise study and establishment of performance standards for sound barriers;
- 1.2 Installation of temporary sound barriers;
- 1.3c Placement of the staging area's refuse collection and bathrooms at locations where sound barriers / existing structures and/or the distance from these noise generating activities and receptor locations would provide the greatest reduction in transmitted noise levels; [17] and
-

Mitigation Measure NOI-1 also includes the following additional good-neighbor measures that the County will implement to reduce overall construction noise levels at sensitive receptor locations; however, these measures are not required to achieve the required noise reductions:

- 1.3a Maintaining mufflers in good working condition.
- 1.3b Utilizing electrical hook-ups instead of generators, when practical.
- 1.3d, 1.3e Limiting the use of radios, loudspeakers, other noise amplifying devices, and deliveries to the hours of 7 AM to 10 PM.
- 1.3f Staging construction equipment as far from existing residential areas as possible.
- 1.3g Limiting the idling time of equipment.
- 1.4 Requiring construction traffic follow designated delivery routes to minimize noise levels at receptor locations.

The County would be required to obtain a Variance Permit from the County Director of Environmental Health for all double-shift construction work involving construction during the evening and nighttime

[17] As shown in Table 21, staging activities at the T24 parking lot would have the potential to exceed the County's applicable evening / nighttime noise standard at R-4 (Thornton Way) by approximately 0.5 dBA. This exceedance is not considered potentially significant. The specific source that would generate this sound level increase is associated with the operation of a vacuum truck. All other pieces of equipment associated with staging (e.g., gradall and forklift) would not generate noise levels that exceed evening / nighttime standards. Specific language has been incorporated into Mitigation Measure NOI-1 specifying that refuse collection and bathroom amenities, if provided at this site, would be located toward the southeastern corner of the site where existing structures would provide shielding between the highest noise generating activities and receptor locations. Compliance with Mitigation Measure NOI-1 would render this potential exceedance less than significant.

hours of 6 to 7 AM and from 7 to 10 PM. County Ordinance Code Section B11-157, Variance Permits, provides the process through which the County Director of Environmental Health may grant Variance Permits for activities that have the potential to conflict with other Code of Ordinance requirements specified in Division B11, Environmental Health, Chapter VIII, Control of Noise and Vibration. As specified previously, the issuance of a Variance Permit is contingent on the fact that construction noise levels will not create a nuisance and will not be detrimental to the public health and safety. As another good neighbor practice, the County would expand the distance for notice of the public hearing related to the Variance Permit to property owners within 500 feet, as opposed to the 300 feet required by County Ordinance Code Section B11-157(e). This additional distance would involve outreach to receptor locations (e.g., those along Empey Way) that otherwise would not receive notification of the public hearing for the Variance Permit. The County Director of Environmental Health may impose additional measures / specifications to reduce noise levels from construction activities during the Variance Permit process; however, these measures / specifications would not be required to reduce construction noise to a level that is less than significant. The implementation of the required elements of Mitigation Measure NOI-1 would fully mitigate the project's potentially significant construction noise impact associated with potential double-shift construction work.

Based on the preceding analysis and mitigation measure incorporated, the proposed project would not result a significant noise impact during construction. The construction sound barriers and equipment would have the added benefit of reducing daytime construction noise levels at sensitive receptor locations, too. This impact would be less than significant with mitigation incorporated.

Long-term Operational Noise Levels

Once construction activities have concluded, the proposed project would result in the operation of a new Behavioral Health Center and parking garage. The operation of these land uses would generate noise from vehicular activity on roadways at and in proximity of the Santa Clara Valley Medical Center, as well as motor vehicle operation in the parking garage. The project's potential to impact the long-term (i.e., permanent) noise environment is discussed below.

Vehicular Operation on Roadways

The Transportation Analysis prepared by Hexagon Transportation Consultants for the proposed project indicates the Behavioral Health Center is anticipated to generate approximately 603 new (i.e., net) trips to the site daily, with approximately 50 of those trips during occurring the AM peak hour, and approximately 51 of those occurring during the PM peak hour.[18] These trips would be distributed onto the local roadway network at and in proximity of the Santa Clara Valley Medical Center Campus. Table 24 presents the AM and PM peak hour turning movements for existing conditions, as well as those under project conditions.

[18] Noise levels analyzed from operation of the parking structure account for all trips generated by the proposed Project (instead of net trips), because all vehicle trips to the parking garage site would be new. The analysis provided for traffic noise accounts only evaluates the net change in trips at an in proximity of the Santa Clara Valley Medical Center Campus, since there are already vehicles operating on those roadways.

Table 26. Traffic Volume Increases at Project Intersections (Vehicles/Hr)

Intersection	AM Peak Hour			PM Peak Hour		
	Existing	Project	Increase	Existing	Project	Increase
Moorpark Ave and Thornton Wy	3,301	3,315	0.4%	3,156	3,170	0.4%
Moorpark Ave and Ginger Wy	3,253	3,289	1.1%	3,396	3,434	1.1%
Ginger Ln and Middle Dr	549	583	6.2%	429	467	8.9%
Clove Dr and Ginger Ln	393	436	10.9%	209	254	21.5%
Moorpark Ave and S Bascom Ave	4,520	4,526	0.1%	4,552	4,562	0.2%
Enborg Ln and S Bascom Ave	3,517	3,526	0.3%	3,205	3,211	0.2%
Source: Hexagon, 2021; Modified by MIG, 2021						

Caltrans considers a doubling of total traffic volume to result in a three dBA increase in traffic-related noise levels (Caltrans, 2013). As demonstrated in Table 24, the proposed project would result in substantially less than a doubling of peak hour and daily traffic volumes on roadways used to access the site; therefore, the proposed project would not result in a substantial, permanent increase in noise levels along project roadways.

Parking Structure Operational Noise

The new parking garage would increase noise levels at and in its proximity due to more vehicle operating within the area and parking garage itself. Noise sources associated with the parking garage (e.g., car horns, doors slamming, cars starting, etc.) would be intermittent. These types of noises would not differ substantially from the noise generated by the existing Parking Structure #3, but they would be located in a different location on campus. Potential increases in noise resulting from the new parking garage were quantified using the following equations contained in the FTA's *Transit Noise and Vibration Impact Assessment* manual (FTA, 2006).

$$\mathbf{Leq(h) = SEL_{ref} + C_N - 36.5}$$

and

$$\mathbf{C_N = 10 \times \log(N_A / 1{,}000)}$$

Where:

Leq(h) = Hourly Leq at 50 feet
SEL_{ref} = Source Reference Level at 50 feet
C_N = Volume Adjustment (SEL_{ref} is based on 1,000 cars in peak activity hour)
N_A = Number of Automobiles per Hour

According to the FTA, the SEL_{ref} for parking garages is 92 dBA. As indicated in the equation, this SEL_{ref} is based on 1,000 cars per hour during peak time periods. The proposed parking garage would generate much lower activity levels; the Transportation Analysis prepared by Hexagon Transportation Consultants estimates the proposed parking garage would generate approximately 545 trips during the AM peak hour and approximately 369 trips during the PM peak hour. Using the equations above, this amount of vehicle activity would produce noise levels of approximately 53.8 and 52.1 dBA during the AM and PM peak hours, respectively, at a distance of 50 feet. These sound levels would be in compliance with (i.e., below) the exterior noise level limits outlined for commercial land uses in Table B11-152 of the County Ordinance Code (i.e., 65 and 60 dBA during the 7 AM to 10 PM and 10 PM to

7 AM periods, respectively; County of Santa Clara, 2020). Furthermore, these noise levels would be approximately the same as those observed at the parking garage site during the ambient noise monitoring conduced (see Table 12). Since the project's peak hour noise levels are approximately the same as those currently as the site, and noise levels would be lower during the off-peak period (i.e., because there would be fewer vehicles operating in the parking garage), the proposed project would not substantially increase the ambient noise environment at the proposed parking garage site over a 24-hour period.

Long-term Operational Noise Level Conclusion

The proposed project would result in more vehicular activity at and in proximity of the Santa Clara Valley Medical Center campus; however, neither the on-road vehicle travel nor motor vehicle operation in the proposed parking garage would result in a substantial change to the existing ambient environment. This impact would be less than significant.

Land Use Compatibility

The County's General Plan: Book B includes Policy R-HS 3 that states: "New development in areas of noise impact (areas subjected to sound levels of 55 DNL or greater) should be approved, denied, or conditioned so as to achieve a satisfactory noise level for those who will use or occupy the facility (as defined in "Noise Compatibility Standards for Land Use" and "Maximum Interior Noise Levels for Intermittent Noise").

- The "Noise Compatibility Standards for Land Use" table sets forth that for Public or Semi-Public Facilities (Church, Hospital, and Nursing) that sound levels of 60 dBA Ldn are satisfactory, and that noise levels of 60 to 65 dBA Ldn are cautionary.
- The "Maximum Interior Noise Levels for Intermittent Noise" table sets forth that the maximum interior noise level for intermittent noise at Public Facilities (Hospital, Nursing Home, and Firehouse (sleeping quarters)) is 45 dBA.

As shown in Table 12 the ambient noise environment adjacent to the Main Hospital has a 24-hour noise level of approximately 63.4 dBA Ldn. LT-2 was located closer to the main Hospital than the Behavioral Health Center site. The measurement at LT-2 was primarily influenced by the Hospital's HVAC and the emergency generators used to power the temporary, outdoor ER. Had LT-2 been shifted westward, across Turner Drive and adjacent to Parking Structure #3, and the emergency back-up generators not being operating, it is anticipated the measurement at LT-2 would be closer to the readings at LT-1 (i.e., a 24-hour noise level of 57.2 dBA Ldn instead of 63.4 dBA Ldn). Due to this, and the fact that the Behavioral Health Center would be constructed within the County of Santa Clara Valley Medical Center campus (i.e., an area already used for medical and behavioral health services), the proposed project's land use would be consistent with the ambient noise environment at the site.

As discussed under the construction impact analysis above, standard construction practices are capable of reduction exterior to interior noise levels by approximately 21 to 22 dBA. Based on this information and the average ambient daily noise levels observed at LT-2 during the noise monitoring (i.e., up to 62.4 dBA Leq during the daytime), it is anticipated interior noise levels at the Behavioral Health Center would be reduced to approximately 41.4 dBA using standard building techniques. As noted previously, the ambient noise environment at LT-2 is considered higher than those present at the proposed Behavioral Health Center site. Therefore, interior noise levels are anticipated to be far lower than 41.4 dBA once the building is constructed and operational. This is less than the County's interior noise level standard of 45 dBA.

As described above, the proposed project would be consistent with its ambient noise environment and have interior noise levels that confirm to County standards (General Plan Policy R-HS 3). This impact would be less than significant.

b) Less than Significant Impact. Vibration is the movement of particles within a medium or object such as the ground or a building. As is the case with airborne sound, groundborne vibrations may be described by amplitude and frequency. Vibration amplitudes are usually expressed in peak particle velocity (PPV) or root mean squared, in inches per second (in/sec). PPV represents the maximum instantaneous positive or negative peak of a vibration signal and is most appropriate for evaluating the potential for building damage.

Section B11-154(b)(7) of the County Ordinance Code, Vibration, sets forth that the following acts are prohibited: "Operating or permitting the operation of any device that creases a vibrating or quivering effect that:

a) Endangers or injures the safety or health of human beings or animals; or
b) Annoys or disturbs a person of normal sensitivities; or
c) Endangers or injures personal or real properties.

Human response to groundborne vibration is subjective and varies from person to person. Caltrans' Transportation and *Construction Vibration Guidance Manual* provides a summary of vibration criteria that have been reported by researchers, organizations, and governmental agencies (Caltrans, 2018). Chapters six and seven of this manual summarize vibration detection and annoyance criteria from various agencies and provide criteria for evaluating potential vibration impacts on buildings and humans from transportation and construction projects. These thresholds are summarized in Table 25 and Table 26.

Table 27. Caltrans' Vibration Criteria for Building Damage

Structural Integrity	Maximum PPV (in/sec)	
	Transient	**Continuous**
Extremely fragile buildings, ruins, monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some older buildings	0.50	0.25
Older residential structures	0.50	0.30
New residential structures	1.00	0.50
Modern industrial and commercial structures	2.00	0.50
Source: Caltrans, 2018		

Table 28. Caltrans' Vibration Criteria for Human Response

Human Response	Maximum PPV (in/sec)	
	Transient	Continuous
Barely perceptible	0.035	0.012
Distinctly perceptible	0.24	0.035
Strongly perceptible	0.90	0.10
Severely perceptible	2.00	0.40
Source: Caltrans, 2018		

Development of the proposed project would not require rock blasting, or pile driving, but could require use an auger drill, vibratory roller, small bulldozer, and loaded trucks. Construction activities that use vibratory rollers and bulldozers would be mobile and not operating at the same location for a prolonged period of time; therefore, the *transient* criteria is used.

The nearest receptors in proximity of construction areas that could be exposed to groundborne vibration during construction activities are the residential receptors south of the Down Lowe Pavilion, approximately 85 feet south of where the Pavilion would be demolished and repaved.[19] Table 27 summarizes potential vibration levels at a reference distance of 25 feet as well as 85 feet, the distance from project property lines to the nearest receptor location.

Table 29. Groundborne Vibration Estimates

Equipment	Reference PPV at 25 feet (inches/second)	Reference Lv at 25 feet (dBV)	Estimated PPV at 85 feet (inches/second)	Estimated Lv at 85 feet (dBV)
Auger Drill	0.089	87.0	0.023	71.7
Vibratory roller	0.21	94.0	0.055	78.1
Large bulldozer	0.089	87.0	0.023	71.1
Small bulldozer	0.003	58.0	0.008	42.1
Loaded truck	0.076	86.0	0.020	70.1
Source: Caltrans, 2018, FTA, 2006.				
Notes: Estimated PPV calculated as: PPV(D)= PPVref*(25/D)^1.1 where PPV(D)= Estimated PPV @ Distance, PPVref=Reference PPV @ 25 feet, D=Distance from equipment to receiver, and 1.1=ground attenuation rate				
Estimated Lv calculated as: Lv(D)=Lv(25 feet)-30log(D/25) where Lv(D)=velocity level in decibels, and v=RMS velocity amplitude @ 25 feet				

As shown in Table 27, construction activities associated with the proposed project are estimated to generate maximum groundborne vibration at receptor locations of up to 0.055 in/sec PPV, which would be "barely perceptible" based on Caltrans' transient criteria of 0.035 in/sec PPV (see Table 26). Furthermore, at no time would project construction generate groundborne vibration levels that would cause damage to any buildings. Although some construction activities may be slightly perceptible, this impact would be less than significant for a number of reasons. First, equipment that have the potential

[19] The "Sensitive Receptors" subheading identifies the students / teachers at Kidango as being approximately 100 feet away from the proposed parking garage site; however, this is the distance from the construction site to the nearest property line, not the nearest structure. It is not anticipated children nor adults would be at the Kidango fenceline. Therefore, this analysis uses the Main Hospital as the structure for addressing worst-case potential vibration impacts.

to generate groundborne vibration would be mobile, meaning that they would not operate at the same location and expose a potential receptor to vibration for a prolonged amount of time. Second, equipment is unlikely to operate near the property boundary on a frequent basis. Instead the equipment would likely be used on the interior of the site where the majority of development would occur. Finally, equipment operation that could generate groundborne vibration would be short-term, since demolition and repaving activities at the Don Lowe Pavilion site are only anticipated to last approximately one to two months. All groundborne vibration generated by other construction activities associated with the project would occur at distances further than that for the Don Lowe Pavilion and, therefore, also would not expose receptors to excessive groundborne vibration.

In summary the proposed project would not generate goundborne vibration that would endanger the safety or health of humans or animals, disturb people of normal sensitivities, or damage any personal or real properties. This impact would be less than significant.

c) Less than Significant Impact. The proposed project is located approximately 2.7 miles south of San Jose International Airport. The project site is not within the airport's Airport Influence Area, nor is it located within a 65, 70, or 75 dBA CNEL contour, as depicted in the San Jose International Airport Comprehensive Land Use Plan (Santa Clara County, 2016). The proposed project would not expose people residing or working in the project area to excessive noise levels. This impact would be less than significant.

N. POPULATION AND HOUSING							
	IMPACT						SOURCE
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒	☐	☐	3, 4
b) Displace substantial numbers of existing housing or people, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒	☐	☐	3, 4

DISCUSSION:

a-b) No Impact. The project is the construction of a Behavioral Health Services Center and parking structure. The project would result in a net increase of 27 new mental health patient beds and would require approximately 100 new employees. The project is anticipated to be staffed by professionals already in the Bay Area and would not result in the unplanned population growth. The proposed Behavioral Health Services Center and parking structure would not displace existing housing or people. Therefore, no replacement housing is necessitated.

MITIGATION:

None required.

O. PUBLIC SERVICES							
	IMPACT						SOURCE
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the following public services:							
i) Fire Protection?	☐	☐	☒	☐	☐	☐	3, 4, 5, 86, 87
ii) Police Protection?	☐	☐	☒	☐	☐	☐	3, 4, 5, 88
iii) School facilities?	☐	☐	☒	☐	☐	☐	3, 4, 5
iv) Parks?	☐	☐	☒	☐	☐	☐	3,4, 5, 17h
v) Other public facilities?	☐	☐	☒	☐	☐	☐	3, 4, 5

SETTING:

The project site is located in an unincorporated pocket of County land (also County-owned) surrounded by incorporated City of San Jose land. As an in-patient and out-patient medical facility, the project will not generate new students in the local school districts. The project area is served by the following public services:

Santa Clara County Central Fire Protection District:

The District serves the cities of Cupertino, Los Gatos, Monte Sereno, a portion of Saratoga, as well as unincorporated lands of Santa Clara County and the City of San Jose. The District is also contracted to serve outside of its boundaries, within the cities of Campbell, Los Altos, Los Altos Hills, Milpitas, and San Jose. The District is the designated fire marshal for all unincorporated lands of Santa Clara County and provides fire protection and emergency medical services to residents and workers of its boundaries. It is estimated that the District serves 164,489 people within its designated boundaries and contracted to serve an additional population of 132,867 people. The Campbell Fire Station would likely be the first to respond to calls from the project area which is approximately 2.1 miles south of the SCVMC campus.

Santa Clara County Office of the Sheriff:

The Office of the Sheriff provides law enforcement throughout unincorporated areas of Santa Clara County on a 24-hour basis, including the SCVMC campus. The Office is staffed by 2,025 employees; of that total, 1,453 are sworn law enforcement officers. The Office patrols through its Headquarters

Unit, Parks Unit, West Valley Division, and Traffic Patrol Division. The Office of the Sheriff is located approximately 5.5 miles northeast of the SCVMC campus.

Park Facilities:

Because the SCVMC campus is surrounded by the City of San Jose, employees or patients at the SCVMC wishing to access a park would use City of San Jose parks. The closest park is Frank M. Santana Park, approximately 0.5 miles to the northwest of the project area.

DISCUSSION:

a) Less than Significant. The proposed project is the construction and operation of the BHSC and new parking structure, as well as the demolition of the existing Don Lowe Pavilion and construction of a surface parking lot. The new BHSC building would be constructed to California Building Code and OSHPOD requirements for fire safety. The SCVMC currently offers mental health treatment and the construction of the BHSC would not introduce a new patient population to the campus requiring new or additional policing services. Fire and law enforcement protection are available without the need for new or expanded facilities. No other public services, such as provided by schools or parks, would be significantly impacted as the project would not generate significant new employment or housing needs The project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities related to police protection services.

MITIGATION:

None required.

P. RECREATION							
	IMPACT						
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	SOURCE
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐	☐	☐	4, 5, 17h
b) Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☒	☐	☐	☐	3, 4, 5

DISCUSSION:

a-b) Less than Significant. The project is the construction of a Behavioral Health Services Center as well as a new 714 space parking structure, and a new surface parking lot to be built on previously developed sites. The project does not propose housing and would not induce population growth. The new BHSC facility would be supported by an approximate 400-person staff as compared to a 300-person staff that currently supports mental health services at SCVMC. The increase in staff size is anticipated to be served by the labor pool already residing in the area and would not significantly increase the use of existing parks and recreational facilities in the project vicinity. The project, and increased staff size, would not require construction or expansion of public recreational facilities. The BHSC does include outdoor and indoor recreational spaces, including a rooftop basketball court, for patients to use. The construction and operation of these on-site recreational facilities would not cause for adverse physical effects on the environment beyond the scope of the project. The proposed BHSC is a medical facility and no off-site recreational facilities are required to serve the project.

MITIGATION:

None required.

Q. TRANSPORTATION							
			IMPACT				SOURCE
WOULD THE PROJECT:	YES					NO	
	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☒	☐	☐	☐	4, 5, 6, 8a, 83
b) Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	☐	☐	☒	☐	☐	☐	50, 83
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒	☐	☐	3, 5, 6,7, 83
d) Result in inadequate emergency access?	☐	☐	☐	☒	☐	☐	3, 5, 83

SETTING:

The project will replace and consolidate existing mental health services on the SCVMC campus that are currently located in three separate buildings into one facility. The new BHSC will increase current services by up to 27 beds. The newly expanded services will serve the behavioral health needs for Santa Clara County and its surrounding communities. The project also involves the construction of a new parking structure to accommodate additional SCVMC parking demands, as well as the demolition of the Don Lowe Pavilion and the construction of a new surface parking lot where the pavilion stood.

Regional access to SCVMC and the project sites is provided via California State Route 17 (SR17, Interstate 280 (I-280), and Interstate 880 (I-880). Local access to the project is provided via Bascom Avenue, Moorpark Avenue, Thornton Way, Ginger Lane, Enborg Lane, Middle Drive, Turner Drive, and Clove Drive. SCVMC is served by a complete network of sidewalks, marked crosswalks, and signalized intersections along streets within its vicinity. The project site is also served by the Valley Transportation Authority (VTA); two VTA bus routes (Routes 25 and 61) have bus stops within 0.25 miles of the project area.

Hexagon Transportation Consultants, Inc. prepared a Transportation Analysis (TA) for the project in a report dated February 23, 2021. The report was conducted for the purpose of identifying potential transportation impacts related to the project. Because SCVMC and the project sites are located within an unincorporated pocket of Santa Clara County, completely surrounded by the City of San Jose, Hexagon evaluated the project following standards and methodologies established by the City of San

Jose's Transportation Analysis Handbook. The TA report, which analyzes both CEQA transportation and local impact, is attached as Appendix F, titled Santa Clara Valley Medical Center Expansion Transportation Analysis.

DISCUSSION:

a) Less than Significant Impact. The Hexagon TA assesses potential project impacts related to transit, pedestrian, bicycle, and roadway plans and facilities. No project impacts requiring mitigation were identified related to these topics. The Hexagon analysis and findings related to these facilities are summarized below.

Transit Facilities

Santa Clara Valley Transit Authority (VTA) currently provides service to the project area via bus Routes 25 and 61; these routes have stops within 0.25 miles of the project area. The closest bus stop to the project area is located on Ginger Lane and Middle Drive along the western BHSC site frontage. In coordination with VTA, the project would remove and eliminate this bus stop. The County will continue to coordinate with VTA to ensure elimination of this bus stop does not adversely impact transit service to the campus. Should VTA request the bus stop be relocated somewhere else on campus, the County will coordinate with VTA to identify an acceptable location. Since the project is anticipated to generate only a small increase in transit demand, it is anticipated that the increase could be accommodated by the current capacity of VTA transit services (Hexagon 2021). Potential impacts to transit facilities would be less than significant.

Pedestrian and Bicycle Facilities

The project vicinity is surrounded by a complete network of pedestrian facilities, including sidewalks, marked crosswalks, and signalized intersections. The Hexagon TA reports that the existing network of pedestrian facilities has adequate connectivity and provides pedestrians safe routes to the project sites and transit stops. There are also several existing Class II and Class III bicycle facilities that adequately serve the project area within one mile of the project sites. The project proposes several improvements that would increase pedestrian safety and access to the project sites as well as other facilities on the SCVMC campus. These improvements include:

- Replacing an existing driveway on Middle Drive with a patient drop-off zone for direct access to the BHSC;
- Constructing a pedestrian tunnel and skybridge to connect the BHSC to the existing Receiving and Support Center;
- Constructing a buffered landscaped sidewalk along the project frontage (currently the sidewalk is not buffered);
- Narrowing the south leg of the intersection of Ginger Lane and Middle Drive from four travel lanes to three travel lanes and narrowing the westbound travel lane of Middle Drive by two feet; reducing the width of these roads would reduce pedestrian travel distance and potential vehicular conflict;
- Installing high-visibility crosswalks at the intersection of Ginger Lane and Middle Drive to improve pedestrian safety between the BHSC and new parking structure; and

- Installing high-visibility crosswalks at the intersection of Turner Drive and Middle Drive to connect the BHSC facility to Turner Drive; Turner Drive south of Middle Drive will also be closed to protect pedestrians.

The increase in pedestrian and bicycle activity would be minimal, and the project would not conflict with any adopted plans, policies, or programs that support alternative transportation. The project would not generate pedestrian, bicycle, or transit travel demand that is not able to be supported by current transit, bicycle, or pedestrian facilities and/or plans. The impact to transit, bicycle, and pedestrian facilities would be less than significant.

Roadway Facilities

The project area is accessed via Bascom Avenue, Moorpark Avenue, Thornton Way, Ginger Lane, Enborg Lane, Middle Drive, Turner Drive, Clove Drive, and Enborg Lane. The Hexagon TA provides a full analysis of the project's impacts on the surrounding roadways. A summary of the reports conclusions are presented below.

Project Trip Generation

Based on trip generation rates recommended by the Institute of Transportation Engineers (ITE), it is estimated that the proposed project would generate 603 daily vehicle trips, including 50 trips occurring during the AM peak hour and 51 trips occurring during the PM peak hour Intersection Traffic Operations.

The results of the intersection level of service analysis (see Table ES-1 in Appendix F) show that the intersection of Bascom Avenue and Moorpark Avenue operates unacceptably at an LOS E under existing, background and background plus project conditions. The project would not cause any adverse effects at this intersection. All other intersections operate at an acceptable level of service under all study scenarios.

Unsignalized intersections do not meet signal warrants under any study scenario.

Intersection Vehicle Queuing Operations

Vehicle queuing was analyzed for the southbound right-turn pocket and the eastbound, northbound, and westbound movements at the Ginger Lane and Clove Drive intersection. The estimated queue lengths based on the Poisson numerical calculations show that under background plus project conditions all movements accommodate the 95th percentile queues at the intersections during both peak hours.

Other Transportation Issues

The proposed site plan shows adequate site access. The project would enhance pedestrian circulation by providing improved pedestrian access. The existing transit and bicycle services are sufficient to serve the project.

Conclusion

The Hexagon TA concludes that existing roadway conditions and demands would be similar to project conditions and demands. Existing roadway infrastructure and reconfiguration would adequately meet the needs of the project and surrounding transportation network.

b) Less than Significant Impact. Per CEQA Guidelines Section 15064.3(c) (Applicability), the provisions of section 15064.3 (Determining the Significance of Transportation Impacts) became applicable as of July 1, 2020. The project's impact on Vehicle Miles Travelled (VMT) was conducted using the City of San Jose's Travel Demand Forecasting (TDF) model.

To estimate the impact on VMT, the project's additional 27 beds were converted to retail jobs based on ITE rates. Hexagon calculated that 159 new jobs would be created by the project's addition of 27 new hospital beds. The TA concludes that the project would not cause an increase in trips but rather would result in a change in trip making. After project completion, patients, medical personnel, and visitors would come to the new BHSC facility rather than other hospitals in the area. The results of the TDF model indicate that job changes due to the proposed project would cause an areawide daily VMT for employees to increase by 28, and areawide VMT for patients to decrease by 1,741; therefore, the project would result in a total reduction of 1,713 VMT. The reason for this total reduction is because the project area is more inducive to transit use and non-motorized travel and the average trip length of patient trips would be shorter compared to the average trip length of the other four hospital sites in the area.

The Hexagon TA also evaluated cumulative VMT impacts and determined that the project is consistent with the City of San Jose's General Plan goals and policies pertaining to long-term transportation goals. The project is consistent with those goals because the project site is located adjacent to a VTA bus stop and would provide improvements for pedestrian connectivity and safety.

c) No Impact. A significant impact would occur if the proposed project considerably increased hazards due to a design feature or introduced incompatible uses to the existing circulation system. The project does not include any feature that would create a roadway or traffic hazard. The project would generate traffic in the area consistent with the various vehicle activity related to healthcare, educational, residential, and community service uses in the vicinity. The project would not result in incompatible uses as it relates to transportation and traffic. To ensure the minimum Caltrans stopping sight distance of 150 feet, the Hexagon TA recommends that 25 feet of red curb be painted along the north side of Clove Drive between the garage driveway and Ginger Lane to ensure that exiting vehicles can see approaching vehicles on the road.

Table 2 in Project Description lists Standard Conditions of Approval that will be incorporated into the County's permits for the project. Table 2 list the preparation of a Construction Traffic Control Plan to address circulation and safety issues during construction. Implementation of this plan would reduce this impact to less than significant levels.

d) No Impact. A significant impact would occur if the proposed project would not satisfy emergency design and access requirements of the Santa Clara County Fire Marshal's Office. A significant impact would also occur if the project would inhibit the ability of emergency vehicles to serve the project site or adjacent uses. Emergency access to the project would occur through the existing road network, and emergency services would be able to enter the project along Ginger Lane, Middle Drive, Turner Drive, and Clove Drive. The proposed project would not result in inadequate emergency access because all access features would be required to satisfy County design requirements, including the Fire Marshal's

requirements, prior to occupancy. Therefore, the proposed project would result in less than significant impacts related to emergency access.

MITIGATION:

None required.

R. TRIBAL CULTURAL RESOURCES							
	IMPACT						SOURCE
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	
a) Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:							39, 40, 89, 90
i. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☒	☐	☐	☐	☐	39, 40, 89, 90
ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐	☐	☐	39, 40, 89, 90

SETTING:

Prehistory and Ethnography

The project area is within the territory of the Tamien tribelet of Coastanoan Indians (also known as Ohlone). Ohlone territories were comprised of one or more land-holding groups that anthropologists refer to as "tribelets." The tribelet, a nearly universal characteristic throughout native California, consists of a principal village occupied year-round, and a series of smaller hamlets, and resource gathering and processing locations occupied intermittently or seasonally. Populations of tribelets ranged between 50 and 500 persons and were largely determined by the carrying capacity of a tribelet's territory (LSA Associates, Inc., 2012).

The traditional Ohlone way of life had been severely disrupted by 1810 due to introduced diseases, a declining birth rate, and the impact of the mission system. The Ohlone were transformed from hunters and gatherers into agricultural laborers who lived at the missions and worked with former neighboring groups such as the Esselen, Yokuts, and Miwok. The Indians from Mission Santa Clara were apparently involved in the hide and tallow trade that coursed up and down the Guadalupe River between 1820 and 1850. Later, because of the secularization of the missions by Mexico in 1834, most

of the aboriginal population gradually moved to ranchos to work as manual laborers (LSA Associates, Inc., 2012).

As described in the Cultural Resource section, the project site is part of the historic Santa Clara County Infirmary site established in approximately 1871 and operated on the current SCVMC campus until approximately 1935. A cemetery associated with the Infirmary was mapped and excavated in 2015. Limited archival information and the excavation results indicate that the boundaries of the cemetery extend into Middle Drive in the north, Ginger Lane in the west, appear to coincide with the western edge of the new RSC building in the east, and are anticipated to extend approximately 50 feet south of campus Building W. Although it was not possible to positively identify any of the individuals exhumed from the cemetery, due to a lack of personally identifiable artifacts and associated burial records, the investigation did result in significant findings about the lives and health of a segment of San Jose's working-class population that is not well documented in historic records. None of the graves excavated from the Infirmary cemetery were determined to be Native American graves.

Native American Heritage Commission Search

A Sacred Land Files (SLF) search was requested from the Native American Heritage Commission (NAHC) to determine if there are any know tribal resources in the project vicinity. On July 27, 2020, the NAHC responded and indicated that the SLF search was negative (no know resources). The County sent out notification to the Muwekma Ohlone Indian Tribe of the SF Bay Area on January 28, 2021. No response was received from the Tribe.

REGULATORY SETTING

See the Cultural Resource Regulatory Setting for regulations pertinent to tribal resources.

DISCUSSION:

a) Less Than Significant Impact with Mitigation

There are no known Tribal Cultural Resources (TCRs) on the project site (NAHC 2020). The likelihood of encountering cultural resources, including TCRs, during project construction is considered low as the project site has been part of the Santa Clara County Infirmary site established in approximately 1871 and operated on the current SCVMC campus until approximately 1935. The SCVMC campus was then established and the project area has been developed with medical center uses. However, there still remains a remote possibility that unknown buried archaeological resources that have the potential to be considered TCRs may exist within the project impact area. Disturbance of TCRs would constitute a significant impact.

Some Native American artifacts may not be considered unique archaeological resources under the CEQA guidelines (i.e. if there is not a demonstrable public interest in that information, it does not possess a special and particular quality such as being the oldest of its type or the best available example of its type, and it is not directly associated with a scientifically recognized important prehistoric event or person). However, it is possible for a lead agency to determine that an artifact is considered significant to a local tribe, and therefore be considered a significant resource under CEQA. Mitigation measure CUL-1 included in the Cultural Resources section of this document includes language that all Native American artifacts are to be considered significant until the lead agency has enough evidence to determine an artifact not significant. This ensures that the default assumption is that all Native American artifacts are significant resources under CEQA.

Implementation of Mitigation Measure CUL-1 (See Cultural Resources section) would reduce impacts to TCRs to less than significant.

MITIGATION:

See Mitigation Measure CUL-1.

S. UTILITIES AND SERVICE SYSTEMS							
	IMPACT						SOURCE
WOULD THE PROJECT:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐	☐	☐	3
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years	☐	☐	☒	☐	☐	☐	3, 6
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has inadequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐	☐	☐	3, 6
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐	☐	☐	3, 5, 6, 91
e) Be in non-compliance with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐	☐	☐	3, 5, 6, 9

SETTING:

The project site and SCVMC campus are surrounded by urban development and contain connections for utilities such as water, electricity, gas, sewer, and stormwater.

DISCUSSION:

a) Less than Significant Impact. The proposed project will require new water and sanitary sewer service pipelines in Ginger Lane and Middle Drive but the construction of those new lines would not result in the construction of new or expanded water supply or wastewater treatment capacity. The project will require new stormwater infrastructure (bioretention areas and new storm drain connections) but will not require new or expanded storm drain services. The new BHSC building will require new and expanded electric power and natural gas provided by PG&E, and telecommunication facilities. The utility improvements needed to service would not have a significant environmental impact.

Water:

The BHSC site construction involves the removal of an 8-inch combined domestic and fire water lines along the north and east edges due to conflict with the proposed building footprint. An existing fire

water connection in the southeast corner of the site and associated fire water structures will also be removed due to conflict with the proposed building footprint. Flow data for the combined domestic and fire water line in Middle Avenue and the fire water main in Turner Drive will be confirmed via fire flow tests for possible fire water connections to the proposed building. Proposed connections for domestic water, interior irrigation water, and fire water are anticipated to connect to the water mains in Turner Drive, on the north east side of the site. A fire pump is anticipated to be required for the project and therefore an additional dry standpipe to a Fire Department Connection at Turner Drive would be also required.

As discussed in Hydrology Section J.b, water usage for the new project is estimated at 3,850 gallons per day, which represents a 1,350 gallon per day net increase from current water demands. The existing water networks are understood by the project engineering team to have sufficient capacity to meet the fire and domestic water requirements of the proposed BHSC building.

The parking structure site will be connected to water mains on Ginger Lane, northeast of the site. The existing 4-inch water connection on site will be removed. A 30-foot easement for water pipelines and incidentals would be in place to the Santa Clara Valley Flood Control and Water Conservation District for water pipeline and incidental maintenance. No water utility upgrades are proposed for the existing Don Lowe Pavilion site.

Wastewater:

There are two sanitary sewer trunk lines that feed the majority of the SCVMC campus. These lines both run north out of the site to meet the City of San Jose sewer main in Moorpark Avenue. To meet OSHPD requirements for on-site emergency storage, a sanitary sewer holding tank exists under Parking Structure #2. In the case of an emergency and the sewage system either on or off-campus is not functioning (such as after an earthquake), sewerage is intercepted and pumped into the holding tank under Parking Structure #2. The project design team indicates the existing sewer main within Turner Drive has sufficient capacity to meet the requirements of the proposed BHSC building. Flow from the proposed building will be routed to the holding tank under emergency conditions because of the way that the on-site sewer system is configured. Available capacity of the holding tank is not well understood at this time but the SCVMC is currently performing a study to better understand emergency on-site storage and confirm the available capacity of the holding tank. If findings of the study show that there is not available storage capacity for the proposed BHSC building in the existing Parking Structure #2 holding tank; the campus will have several options including running a new main that bypasses the holding tank, adding project specific storage to the BHSC site, and adding additional capacity for the campus as a whole. SCVMC will need to verify existing storage capacity and implement an additional storage capacity strategy (if required) prior to occupancy of the BHSC (Sandis, pers. comm).

The BHSC site construction involves building connection to new sewer lateral lines to the existing sanitary sewer main in Turner Drive. The existing sanitary sewer main along the north edge of the site conflicts with the building footprint and will be relocated.

Parking structure sewer line improvements include the installation of new lateral connections to the existing sanitary sewer main in Ginger Lane. Sanitary sewer load calculations for both sites will be performed to confirm that the existing mains have sufficient capacity. No wastewater upgrades are proposed for the existing Don Lowe Pavilion site.

Stormwater:

Improvements for the BHSC site are involve removing existing 6-inch, 8-inch, and 12-inch storm drain lines and connecting area drains which conflict with the proposed BHSC footprint. The existing 21-inch RCP main and four manholes along the northern edge of the site conflicting with the proposed building footprint are to be removed or relocated. New connections to bioretention overflow areas and drains to the existing storm drain mains in Turner Drive, Middle Avenue, and/or Ginger Lane are proposed.

Improvements for the parking structure site include removing existing 4-inch, 8-inch, and 12-inch storm drain lines and connecting drains that conflict with the proposed parking structure building footprint. Roof drains and area drains are also proposed to collect on-site stormwater runoff which will flow through new bioretention areas for treatment before being discharged into existing storm drain mains in Clove Drive and Ginger Lane. The proposed bioretention areas would provide peak flow management, and runoff would be metered into municipal stormwater drains. The impact from stormwater infrastructure construction and operation would be less than significant.

Construction of new water supply, wastewater, and stormwater connections and other in ground utility modifications would be conducted in compliance with the County's Standards and Policies for Land Development, Grading Ordinance, and Best Management Practices (BMPs) that would protect water quality and site conditions during these construction activities; therefore, these standard construction activities can be considered less than significant. No new public water supply or wastewater facilities would be needed to serve the proposed project. The impact would be less than significant.

Electric Power and Telecommunications:

The proposed project would generate increased demand for electric power. The project would connect to and be served by existing electricity infrastructure owned and operated by PG&E. Electrical and telecommunication connection will be required from the existing campus infrastructure to the new BHSC building. The primary electrical service will be derived from underground feeders brought to the BHSC site from a central plant. For the parking structure, underground conduits will be extended to the site from a new above-ground transformer. The process of connecting the project to existing infrastructure is expected to be standard for conveying electrical power and telecommunications. Construction would be conducted in compliance with County-approved BMPs for utilities infrastructure improvements. No new electric power generation or telecommunication facilities would be required to serve the project. The impact would be less than significant.

Natural Gas:

The project will not use natural gas. The impact would be less than significant.

b) Less than Significant Impact. The County and its water retailers obtain water from a variety of sources. Valley Water's 2015 UWMP reports that the County maintained a 260,000 acre-foot (AF) water supply from the following sources: groundwater recharge, local surface water, recycled water, and imports/transfer/carryovers. Per the 2015 UWMP, this system was projected to demand 35,200 AF of water in 2020 and 45,800 AF of water by 2040. The UWMP also projects Valley Water to maintain an average water supply of 390,200 AF, with a demand on 371,200 AF, in 2020 and supply of 441,900 AF, with a demand of 43,100, by 2040. Therefore, the UWMP and Valley Water anticipate a water surplus of 19,000 AF in 2020 and 6,800 AF in 2040.

The SCVMC campus obtains its water from an on-site well that is owned and managed by the SCVMC. As discussed in Section J.b, project water consumption is expected to increase from 2,500 gallons per day (912,500 gallons per year) to 3,850 gallons per day (1.4 million gallons per year), a net increase of 1,350 gallons per day. This is a difference of 492,750 gallons per year. For reference, SCVMC campus has an average daily water use of 315,580 gallons per day and a maximum allowable use of 359,654 gallons per day. A net increase demand of 1,350 gallons per day of water does not represent a significant impact given the water budget of the SCVMC campus.

c) Less than Significant Impact. See wastewater discussion above in Section S.a. The County would have adequate capacity to treat project wastewater in addition to existing commitments. No new public wastewater conveyance or treatment facilities would be needed to serve the proposed project.

d) Less than Significant Impact. The County is responsible for solid waste collection at the project site and SCVMC. The County has an agreement with Republic Services for waste collection and disposal. Solid waste and recyclable items would be taken from the project sites to one of seven landfill sites within the County. Per the County's 3rd Five-Year Report County Integrated Waste Management Plan (CIWMP), released in 2010, the County has adequate landfill capacity to meet needs for greater than 15 years. Per Appendix C.1, the project is conservatively estimated to generate approximately 24.64 tons of new waste per year. This amount of waste generation does not represent a significant burden or impact to current landfill capacities. Because the current landfill sites have substantial capacity to accommodate the project's solid waste disposal needs, the project what impact would be less than significant.

e) Less than Significant Impact. The project involves construction and demolition activities requiring materials to be removed and recycled off-site. The primary State legislation regarding solid waste is AB939, the Integrated Waste Management Act, adopted in 1989. AB939 requires local jurisdictions to achieve a minimum 50 percent solid waste diversion rate. A minimum 50 percent diversion rate for construction demolition and debris is also required. The project will include a construction waste management plan for recycling to divert construction waste from landfills. The construction general contractor will track construction waste per the plan and ensure at least 75 percent of construction and demolition debris are diverted from landfill. The project would not conflict with State laws governing construction or operational solid waste diversion and would comply with local implementation requirements.

Santa Clara County has adopted an ordinance (County Ordinance Code Section B11, Chapter XII) that requires secure management, treatment, and disposal of medical waste in order to protect public health, welfare, and safety. This ordinance was enacted pursuant to the Medical Waste Management Act of the California Health and Safety Code and requires any entity that generates, stores, transports or disposes medical waste to submit a medical waste management plan to the County's Department of Environmental Health (DEH). SVCMC currently maintains a medical waste management plan. Any change to this plan due to the project's added medical services would be reviewed by DEH to ensure compliance with the County's Medical Waste Management Ordinance and State's Medical Waste Management Act. The project would comply with federal, state, and local management and reduction statutes and regulations related to solid and medical waste, and therefore the impact would be less than significant.

MITIGATION:

None required.

T. WILDFIRE							
	IMPACT						
If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	**SOURCE**
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒	☐	☐	3, 4, 5, 6, 61
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒	☐	☐	3, 4, 5, 6, 61
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒	☐	☐	3, 4, 5, 6, 61
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒	☐	☐	3, 4, 5, 6, 61

DISCUSSION:

a-d) No Impact. The project is not located within a fire hazard severity zone nor near a state lands responsibility area (SRA). The project is located in a local responsibility area (LRA) according to the CAL FIRE FRAP (Fire Resource Assessment Program) map. The nearest mapped fire hazard zone is approximately three miles southeast of the project area in the unincorporated foothills of the Santa Cruz Mountains. The project is in a developed urban area and would not affect wildfire hazards at the site or surrounding areas.

MITIGATION:

None required.

U. Mandatory Finding of Significance							
			IMPACT				
WOULD THE PROJECT:	YES					NO	SOURCE
	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact	Analyzed in the Prior EIR	Substantially Mitigated by Uniformly Applicable Development Policies	
a) Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒		☐	☐	☐	1 to 91
b) Have impacts that are individually limited, but cumulatively considerable ("Cumulatively considerable" means that the incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☐	☒	☐	☐	☐	1 to 91
c) Have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐	☐	☐	1 to 91

DISCUSSION:

a) Less Than Significant Impact with Mitigation. As discussed in the Biological Resources section, impacts of the proposed project on special status species or habitat would either be less than significant or would be reduced to a less than significant level through incorporation of mitigation measures.

Mitigation Measures BIO-1 through BIO-3 would prevent impacts to nesting birds, roosting bats, and Heritage Trees. The proposed project would not substantially reduce the habitat of any fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number of, or restrict the range of, a rare or endangered plant or animal. Mitigation Measure CUL-1 is included to prevent impacts to unknown cultural and tribal resources and unknown human remains. With the implementation of these mitigation measures, the proposed project would not substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining

levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory.

b) Less Than Significant Impact. The construction of the proposed project would contribute to short-term air and GHG emissions, and energy usage. Combined with other construction projects on the SCVMC campus, the project would contribute to the cumulative emissions from multiple construction projects. However, these impacts are considered short-term and would only last during the construction period. The project's individual impacts to these resource areas are less than significant and therefore, the project's contribution to the cumulative short-term construction emissions is also considered to be less than significant. The operation of the new BHSC would generate a less than significant increase in VMT and would not have a significant contribution to regional VMT. Because of the net increase in mental health patient beds of 27 new beds, the BHSC project would use additional utilities and generate an increase in solid waste. However, the increase in utility usage would not cause potentially significant impacts to those services and the project would have a less than significant contribution to the cumulative usage of utilities on the SCVMC campus. The project's contribution to cumulative impacts would be less than significant.

c) Less Than Significant Impact with Mitigation. The project could have potentially significant impacts on air quality, biological resources, cultural/tribal cultural resources, geology (paleontological resources), and the noise environment. Mitigation measures have been identified and included in the project to reduce these impacts to less than significant levels. The project would have a less than significant impact on all other resource areas and the project would not have environmental effects, which would cause substantial adverse effects on human beings, either directly or indirectly.

Initial Study Source List*

1. **Environmental Information Form**
2. **Field Inspection**
3. **Project Plans**
4. **Working knowledge of site and conditions**
5. **Experience with Other Projects of This Size and Nature**
6. **County Expert Sources: Geologist, Fire Marshal, Roads & Airports, Environmental Health, Land Development Engineering, Parks & Recreation, Zoning Administration, Comprehensive Planning, Architectural & Site Approval Committee Secretary**
7. **Agency Sources: Santa Clara Valley Water District, Santa Clara Valley Transportation Authority, Midpeninsula Regional Open Space District, U.S. Fish & Wildlife Service, CA Dept. of Fish & Game, Caltrans, U.S. Army Corps of Engineers, Regional Water Quality Control Board, Public Works Depts. of individual cities, Planning Depts. of individual cities,**

8a. Santa Clara County (SCC) General Plan

8b. The South County Joint Area Plan

9. **SCC Zoning Regulations (Ordinance)**
10. SCC Grading Ordinance
11. **SCC Guidelines for Architecture and Site Approval**
12. **SCC Development Guidelines for Design Review**
13. County Standards and Policies Manual (Vol. I - Land Development)
14. Table 18-1-B of the Uniform Building Code (expansive soil regulations) [1994 version]
15. Land Use Database
16. **SCC Heritage Resource (including Trees) Inventory [computer database]**
17. **GIS Database**
    - **a. SCC General Plan Land Use, and Zoning**
    - **b. USFWS Critical Habitat & Riparian Habitat**
    - **c. Geologic Hazards**
    - **d. Archaeological Resources**
    - **e. Water Resources**
    - **f. Viewshed and Scenic Roads**
    - **g. Fire Hazard**
    - **h. Parks, Public Open Space, and Trails**
    - **i. Heritage Resources - Trees**
    - **j. Topography, Contours, Average Slope**
    - **k. Soils**
    - **l. HCP Data (habitat models, land use coverage etc)**
    - **m. Air photos**
    - **n. USGS Topographic**
    - **o. Dept. of Fish & Game, Natural Diversity Data**
    - **p. FEMA Flood Zones**
    - **q. Williamson Act**
    - **r. Farmland monitoring program**
    - **s. Traffic Analysis Zones**

    Base Map Overlays & Textual Reports (GIS)
18. **Paper Maps**
    - **a. SCC Zoning**
    - b. Barclay's Santa Clara County Locaide Street Atlas
    - **c. Color Air Photos (MPSI)**
    - d. Santa Clara Valley Water District - Maps of Flood Control Facilities & Limits of 1% Flooding
    - **e. Soils Overlay Air Photos**
    - f. "Future Width Line" map set
19. **CEQA Guidelines. 2020 [Current Edition]**
20. HortScience | Bartlett Consulting. 2020. Santa Clara Valley Medical Center Behavioral Health Service Center Tree Survey. August 2020

<u>Agricultural Resources/Open Space</u>

21. Right to Farm Ordinance
22. State Department of Conservation, "CA Agricultural Land Evaluation and Site Assessment Model"
23. State Department of Conservation, "CA Important Farmland Finder"
24. Open Space Preservation, Report of the Preservation 2020 Task Force, April 1987 [Chapter IV]
25. Williamson Act Ordinance and Guidelines (current version)

<u>Air Quality</u>

26. American Society for Health Care Engineering. 2014. "Air Filtration" accessed on January 26, 2021. Copyright 2014. Website: https://www.ashe.org/compliance/ec_02_05_01/01/airfiltration
27. BAAQMD. 2011. Recommended Methods for Screening and Modeling Local Risks and Hazards and Air Toxics New Source Review Program Health Risk Guidelines.
28. BAAQMD. 2016. BAAQMD Air Toxics NSR Program Health Risk Assessment Guidelines. San Francisco, CA. December 2016.
29. BAAQMD. 2017. "Air Quality Standards and Attainment Status." Air Quality Standards. BAAQMD, Planning, Rules, and Research Division, Emission Inventory and Air Quality Related. January 5, 2017. Web. January 17, 2019. http://www.baaqmd.gov/research-and-data/air-quality-standards-and-attainment-status
30. BAAQMD. 2017. 2017 Clean Air Plan: Spare the Air, Cool the Climate. BAAQMD, Planning, Rules, and Research Division. April 19, 2017.
31. BAAQMD. 2017. California Environmental Quality Act Air Quality Guidelines. San Francisco, CA. June 2010, updated May 2017.
32. BAAQMD Annual Summary of Contaminant Excesses & BAAQMD, "Air Quality & Urban Development - Guidelines for Assessing Impacts of Projects & Plans" [current version]
33. BAAQMD. 2018. Personal Communication. Email. Subject: Mt. Umunhum and San Jose International Airport AERMOD-ready met. James Cordova, BAAQMD to Phil Gleason, MIG. September 21, 2019.
34. BAAQMD. 2019. "In Your Community". Santa Clara County. Accessed January 13, 2021. Web. Updated February 14, 2019. http://www.baaqmd.gov/about-the-air-district/in-your-community/san-mateo-county
35. Kidango. 2020. "Center Locations". Revised May 8, 2020. Web. Accessed January 13, 2021. https://www.kidango.org/wp-content/uploads/2020/05/Kidango-Location-List-05.08.20.pdf
36. Kidango. 2020. ND. "Locations." Valley Medical Center. Web. Accessed January 13, 2021.

Initial Study Source List*

https://www.kidango.org/locations/valley-medical-center/

37. Office of Environmental Health Hazard Assessment (OEHHA) 2015. Air Toxics Hot Spots Program Guidance Manual. Sacramento, CA. February 2015.
38. U.S. EPA. 2020. "Indoor Air Quality IAQ". What is a MERV rating?. Updated May 5, 2020. Web. Access January 27, 2021. https://www.epa.gov/indoor-air-quality-iaq/what-merv-rating-1

Archaeological Resources

39. Northwest Information Center, Sonoma State University
40. URS Corporation. 2015. "Excavation of the County Infirmary Cemetery at Santa Clara Valley Medical Center, Santa Clara County, California"

Biological Resources/
Water Quality & Hydrological Resources

41. Santa Clara Valley Habitat Plan Accessed on December 13, 2020. Website: https://www.scv-habitatagency.org/DocumentCenter/View/151/Coverage-Screening-Form
42. **Santa Clara County Tree Preservation Ordinance Section C16, Santa Clara County Guide to Evaluating Oak Woodlands Impacts, Santa Clara County Guidelines for Tree Protection and Preservation for Land Use Applications**
43. Clean Water Act, Section 404
44. CA Regional Water Quality Control Board, Water Quality Control Plan, San Francisco Bay Region [1995]

Energy

45. California Energy Commission (CEC) 2015. 2015 Integrated Energy Policy Report. Sacramento, CA. 2015.
46. CEC. 2020. "Electricity Consumption by County." Electricity Consumption by County. CEC, Energy Consumption Database. n.d. Accessed January 5, 2021 at http://ecdms.energy.ca.gov/elecbycounty.aspx.
47. CEC. 2020. "Gas Consumption by County." Gas Consumption by County. CEC, Energy Consumption Database. n.d. Accessed April 30, 2020 at http://ecdms.energy.ca.gov/gasbycounty.aspx.
48. SCC. 2018. Santa Clara County Board of Supervisors Policy Manual. Chapter 7: Policies on Land Use and Environment. Revised June 8, 2018. Web. Accessed January 13, 2021. https://www.sccgov.org/sites/cob/governing-docs/Documents/Policy%20Manual/BOSPolicyCHAP7.pdf

Geological Resources

49. **URS, 2020. Preliminary Geotechnical Engineering Review, Proposed Parking Structure 3, Santa Clara Valley Medical Center, San Jose, California. September 30.**
50. **URS, 2020. Geotechnical and Engineering Geologic Report, Proposed Behavioral Health Services Center, Santa Clara Valley Medical Center, San Jose, California. December 10.**
51. State Department of Mines and Geology, Special Report #42
52. State Department of Mines and Geology, Special Report #146
53. State Department of Conservation, "Guidelines of Classification and Designation of Mineral Lands"
54. State Department of Conservation, "California Geologic Survey Information Warehouse: Mineral Land Classification"

Hazards & Hazardous Materials

55. Section 21151.4 of California Public Resources Code
56. State Department of Toxic Substances, Hazardous Waste and Substances Sites List (Cortese)
57. Santa Clara County Office of Emergency Services "Emergency Operations Plan" (2017)
58. Santa Clara Valley Medical Center "Emergency Operations Plan" (2018)
59. State Department of Education, "California School Directory"
60. State Water Resources Control Board, "GeoTracker" data management system
61. CalFire, "Santa Clara County Very High Fire Hazard Severity Zones in LRA" map

Greenhouse Gas Emissions

62. Association of Bay Area Governments / Municipal Transit Commission (ABAG/MTC). 2017. Plan Bay Area 2040. Approved July 26, 2017.
63. California Air Resources Board (CARB) 2017. 2017 Climate Change Scoping Plan. Sacramento, CA. December 2017.
64. SCC. 2009. Santa Clara County CAP for Operations and Facilities. September 8, 2009. Web accessed Jan 5, 2021 at https://www.sccgov.org/sites/osp/Documents/CAPOF_2009_09_29FINAL.pdf
65. SCC. 2018. Board of Supervisors Policy Manual. Chapter 7. Accessed January 13, 2021. Web. Updated XYZ 2018. https://controller.sccgov.org/sites/cob/governing-docs/Documents/Policy%20Manual/BOSPolicyCHAP7.pdf
66. Metropolitan Transportation Commission (MTC). 2020. "Priority Development Area (Plan Bay Area 2040)". Updated July 27, 2020. Web. Accessed January 13, 2020. https://opendata.mtc.ca.gov/datasets/56ee3b41d6a242e5a5871b043ae84dc1_0?geometry=-121.945%2C37.312%2C-121.924%2C37.315
67. National Oceanic and Atmospheric Administration (NOAA). 2021. "Mauna Loa CO2 Monthly Mean Data." Trends in Atmospheric Carbon Dioxide. NOAA, Earth System Research Laboratory, Global Monitoring Division. Updated January 12, 2021. Web. Accessed January 13, 2021 at http://www.esrl.noaa.gov/gmd/ccgg/trends/
68. Pacific Gas and Electric (PG&E). 2020. Corporate Responsibility and Sustainability Report 2020.
69. United States Environmental Protection Agency (U.S. EPA). 2020. Emissions & Generation Resources Integrated Database (eGRID). Revised Mary 9, 2020. https://www.epa.gov/egrid/download-data

Initial Study Source List*

Hydrology

70. County of Santa Clara Health System. Personal communication. Email from Raul Becerril, County of Santa Clara Health System, to Barbara Beard, MIG. February 8, 2021
71. Santa Clara Valley Water District, "Urban Water Management Plan" (2015)
72. Santa Clara Valley Urban Runoff Pollution Prevention Program C.3 Stormwater Handbook

Noise

73. Santa Clara County Noise Ordinance
74. California Department of Transportation (Caltrans) 2013. Technical Noise Supplement to the Traffic Noise Analysis Protocol. Sacramento, California. September 2013.
75. Caltrans. 2018. Transportation and Construction Vibration Guidance Manual. Sacramento, California. April 2018.
76. U.S. Department of Housing and Urban Development (U.S. DHUD). 2009a. Noise Guidebook. Prepared by the Environmental Planning Division, Office of Environment and Energy.
77. U.S. DHUD. 2009b. Noise Guidebook, Chapter 4 Supplement: Sound Transmission Class Guidance. Prepared by the Environmental Planning Division, Office of Environment and Energy.
78. U.S. Federal Transit Administration (FTA) 2006. Transit Noise and Vibration Assessment. FTA-VA-90-1003-06. Washington, DC. May 2006.
79. Jason Fox, Randy Eissner, and Scott Robinson, XL Construction; Doug Koenig, Craig McInroy, Emily Chen, and Kamal Sodhi, County of Santa Clara; Craig Blackhurst and Neelanjana Sen, HGA; Phil Gleason and Barbara Beard, MIG. 2021. Personal Communication. Zoom Call. Appointment: "SCVMC BHSC – Draft Noise Impact Analysis". February 5, 2021.
80. XL Construction. 2021. Personal Communication. Email from Randy Eissner, XL Construction, to Phil Gleason, MIG. RE: SCVMC Behavioral Health Center Construction Assumptions for Double Shift Work. January 21, 2021. "SCVMC_BehHealthCtr_MIG_Construction-Assumptions-Memo_20210115 RE Comments . docx".

Transportation/Traffic

81. Transportation Research Board, "Highway Capacity Manual", Special Report 209, 1995.
82. SCC Congestion Management Agency, "Monitoring and Conformance report" (Current Edition)
83. Hexagon, 2021. Santa Clara Valley Medical Center Expansion, Transportation Analysis. February 23.

Soils

84. USDA, SCS, "Soils of Santa Clara County"
85. USDA, SCS, "Soil Survey of Eastern Santa Clara County"

Public Services

86. Santa Clara County Fire Department. 2021. Facilities and Fire Stations. Web accessed on February 11, 2021. https://www.sccfd.org/about-sccfd/facilities-and-fire-stations
87. Santa Clara County LAFCO. 2021. Santa Clara County Central Fire Protection District. Web accessed on February 11, 2021. https://santaclaralafco.org/cities-and-special-districts/special-district-profiles/santa-clara-county-central-fire-protection
88. Santa Clara County Office of the Sheriff. 2021. Enforcement Operations. Web accessed on February 11, 2021. https://countysheriff.sccgov.org/enforcement-operations

Tribal Cultural Resources

89. LSA Associates, Inc. 2012 (September). City of Mountain View Draft 2030 General Plan and Greenhouse Gas Reduction Program Environmental Impact Report.
90. Native American Heritage Commission. 2020. Unpublished letter containing search results from Sacred Lands File search. Kept on file at NAHC and with MIG. Inc. July 27.

Utilities and Service Systems

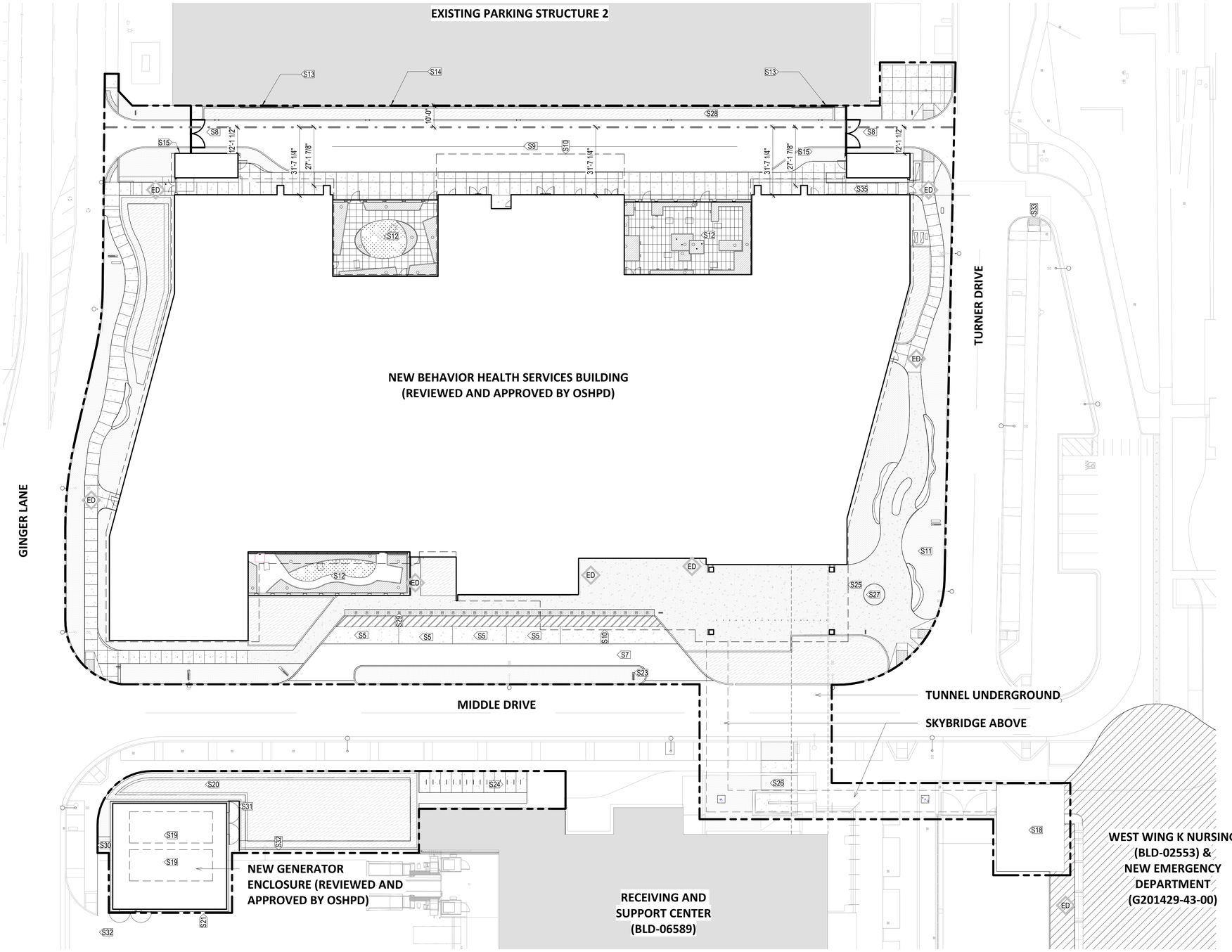
91. State Department of Resources Recycling and Recovery, "Five-Year CIWMP/RAIWMP Review Report" (2011)

***Items listed in bold are the most important sources and should be referred to during the first review of the project, when they are available. The planner should refer to the other sources for a particular environmental factor if the former indicate a potential environmental impact.**

Santa Clara Valley Medical Center
Behavioral Health Services Center and Parking Structure

Appendix A: Site Plan Figures

This page deliberately left blank.



1 SITE PLAN
1" = 20'-0"

SITE PLAN LEGEND

SEE A010 FOR ALL GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

- LIMITS OF WORK
- PROPERTY LINE
- ASSUMED PROPERTY LINE
- EXIT DISCHARGE — ED
- EXSITING BUILDING
- EMERGENCY DEPARTMENT EXPANSION (UNDER CONSTRUCTION)

NOTE: EXTERIOR PATH OF TRAVEL AND ACCESSIBLE PARKING SPACES COMPLY WITH CBC REQUIREMENTS AS NOTED HEREIN.

GENERAL NOTES - SITE PLAN

A. ACCESSIBLE PARKING SERVING THIS PROJECT SHALL CONFORM TO CBC CHAPTER 11B.
B. REFER TO CIVIL PLANS FOR GRADING INFORMATION AND SITE UTILITY LOCATIONS.
C. BICYCLE PARKING TO CONFORM TO SANTA CLARA COUNTY CODE PARKING PROVISIONS.
D. ALL DEMO AND NEW CONSTRUCTION WITHIN THE SCOPE & LIMITS OF WORK SHALL COMPLY WITH CFC CHAPTER 33 FIRE SAFETY REQUIREMENTS.
E. CONTRACTOR SHALL COORDINATE WITH ONGOING AND/OR RECENT WORK TAKING PLAN ON ADJACENT CAMPUS AREAS INCLUDING THE WEST CAMPUS DEVELOPMENT PROJECT AND EMERGENCY DEPARTMENT EXPANSION PROJECT.
F. THE NEW BHSC BUILDING AND GENERATOR ENCLOSURE ARE REVIEWED BY OSHPD. SCOPE OF THIS PERMIT SUBMITTAL IS LIMITED TO OUTSIDE THE OSHPD REVIEW AND APPROVAL AREA.
G. PARKING SERVING THIS PROJECT IS UNDER SEPARATE COUNTY PERMIT (PARKING STRUCTURE 3).

KEYNOTES

#	DESCRIPTION
S5	ACCESSIBLE LOADING AREA
S7	PATIENT DROP OFF (SEE CIVIL)
S8	VEHICULAR SECURITY GATES AND FENCING. SEE DETAIL X/XXX. SEE SPECIFICATIONS FOR FURTHER INFO. SEE SECURITY DRAWINGS FOR INTEGRATED SYSTEMS. SEE A023 FOR MORE INFORAMTION.
S9	SALLY PORT (SEE CIVIL)
S10	CANOPY ABOVE
S11	ENTRY GARDEN (SEE LANDASCAPE)
S12	COURT (REVIEWED AND APPROAVED BY OSHPD)
S13	GREEN SCREEN HUNG FROM PARKING STRUCTURE 2 ABOVE. SEE PARKING STRUCTURE 2 DRAWINGS AND LANDSCAPE.
S14	SCREENING AT OF EXISTING PARKING STRUCTURE 2. SEE PARKING STRUCTURE 2 DRAWINGS.
S15	PEDISTAL MOUNT CARD READER PER T DRAWINGS
S18	NEW ELEVATOR/STAIR TOWER. (REVIEWED AND APPROVED BY OSHPD)
S19	NEW GENERATOR AND ENCLOSURE. REVIEWED AND APPROVED BY OSHPD.
S20	RELOCATE BIORETENTION AREA (SEE CIVIL)
S21	CONCRETE SCREEN ENCLOSURE AROUND GENERATORS.(REVIEWED AND APPROVED BY OSHPD)
S23	NEW SIGNAGE. SEE SIGNAGE PLANS, TYP.
S24	INCLUDE QUANTITY AND CAPACITY IN KEYNOTE. BIKE RACKS. SEE LANDSCAPE.
S25	LINE OF BUILDING ABOVE
S26	NEW RAMP, PLANTING AREA, AND SIDEWALK TO REPLACE EXISTING AT TUNNEL DEMOLITION AREA, SEE CIVIL DRAWINGS.
S27	PUBLIC ART SCULPTURE, SEE LANDSCAPE.
S28	STORMWATER PLANTER AT PS2, SEE PARKING STRUCTURE 2 DRAWINGS, CIVIL AND LANDSCAPE.
S29	LIGHTED BOLLARD, TYP. SEE ELECTRICAL PLANS.
S30	EXISTING GATE CONTROLLER TO REMAIN.
S31	NEW FENCE. MATCH EXISTING AT RSC YARD. WE WILL NEED A DETAIL FOR THIS FENCE.
S32	EXISTING FENCE AND GATES AT RSC YARD TO REMAIN.
S33	CURB RAMP, FLATWORK, AND LANDSCAPING TO BE RECONSTRUCTED AFTER DEMOLITION WORK IN TURNER DRIVE. SEE CIVIL DRAWINGS.
S35	PEDESTRIAN RAMP. SEE CIVIL DRAWINGS.

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

CUNINGHAM GROUP

SANTA CLARA VALLEY MEDICAL CENTER
751 S BASCOM AVE
SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER
Hospital & Clinics

OSHPD PROJECT NUMBER:

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

ARCHITECTURAL SITE PLANS

DATE: FEBRUARY 12, 2021

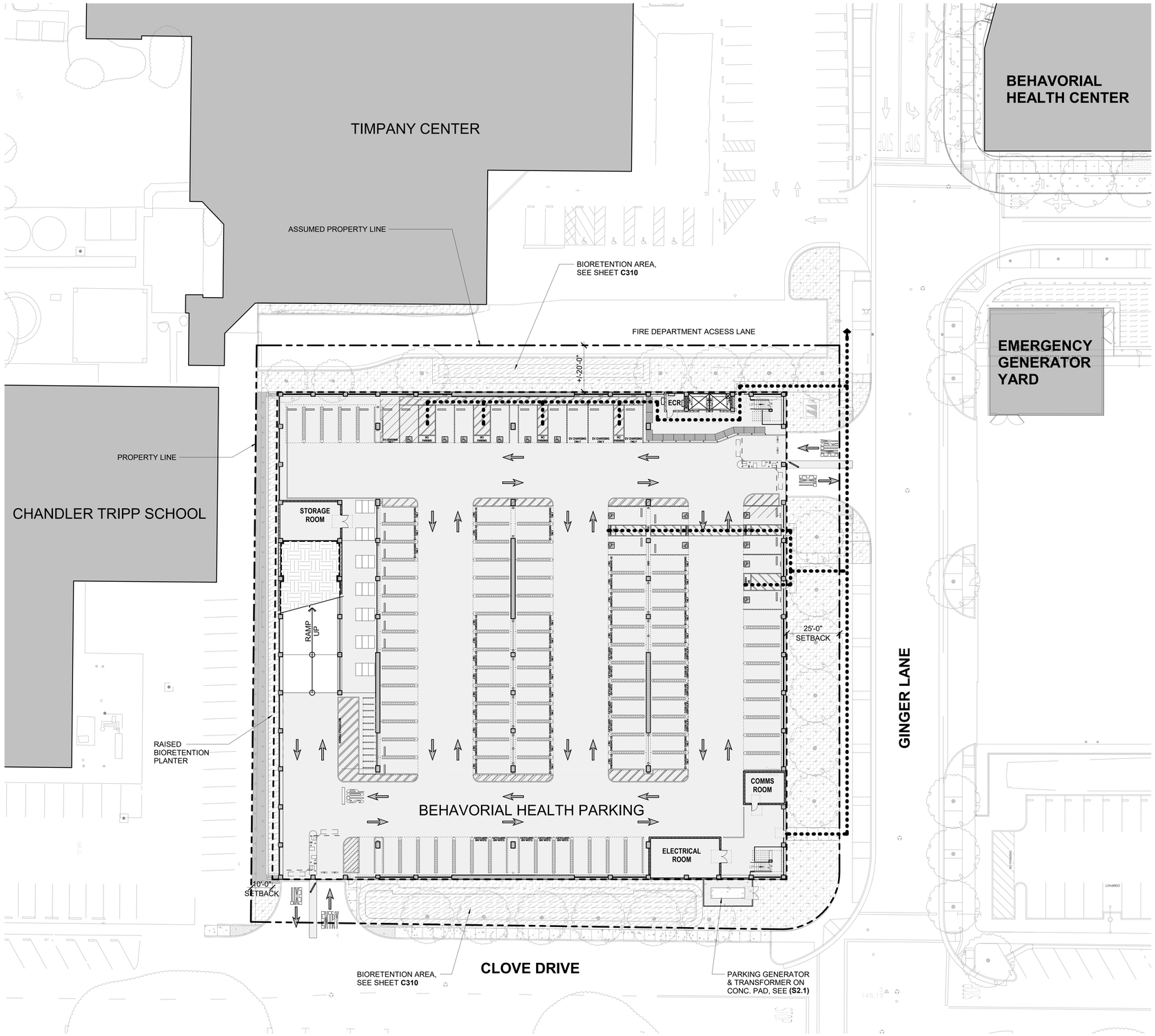
COUNTY PLANNING SUBMITTAL

SI: INCREMENT X NT

A022

COUNTY PLANNING SUBMITTAL

Author 2/4/2021 11:22:16 PM BIM 360://County of Santa Clara-SCVMC Behavioral Health/A20-SCVMC BHSC - CORE AND SHELL-4454002600.rvt



SITE PLAN

1" = 20'-0"

LEGEND

- INDICATES PARKING STRUCTURE FOOT PRINT
- INDICATES EXISTING BUILDING FOOT PRINT
- INDICATES PROPERTY LINE
- INDICATES ASSUMED PROPERTY LINE
- INDICATES PROPERTY SETBACK
- INDICATES EASEMENT LINE
- INDICATES PROJECT SCOPE
- INDICATES ACCESSIBLE PATH OF TRAVEL: PATH OF TRAVEL AS INDICATED IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" AND 1:20 (5%) MAX. IN THE DIRECTION OF TRAVEL AND 1:48 (2%) MAX. CROSS SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL.

SITE NOTES

1. FOR PATHWAY WORK EXTERIOR TO BUILDING, SEE CIVIL & LANDSCAPE DRAWINGS.
2. FOR TREE LOCATION PLAN, SEE LANDSCAPE DRAWINGS.
3. FOR HORIZONTAL & VERTICAL CONTROL POINTS, SEE CIVIL DRAWINGS.
4. FOR DRAINAGE EXTERIOR TO BUILDING, SEE CIVIL DRAWINGS.
5. FOR WORK IN STREETS, SEE CIVIL DRAWINGS.
6. FOR LIGHTING OF PATHWAYS EXTERIOR TO BUILDING, SEE ELECTRICAL DRAWINGS.

SITE INFORMATION

LOT AREA: 76,000 S.F. - 1.75 ACRES

BUILDING AREA: 268,200 SF

ALLOWED LOT COVERAGE: NO REQUIREMENT

ACTUAL LOT COVERAGE: 72%

FAR: N/A - PARKING STRUCTURE IS AN UNOCCUPIED SPACE

BUILDING HEIGHT: 51' TO THE TOP OF THE RAIL (62' TO THE TOP OF THE ELEVATOR PENTHOUSE)

30' 0 60' 120'

SCALE: 1" = 30'-0"

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

CUNINGHAM GROUP

SANTA CLARA VALLEY MEDICAL CENTER
751 S BASCOM AVE
SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER Hospital & Clinics

OSHPD PROJECT NUMBER:

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

SITE PLAN

DATE: FEBRUARY 12, 2021

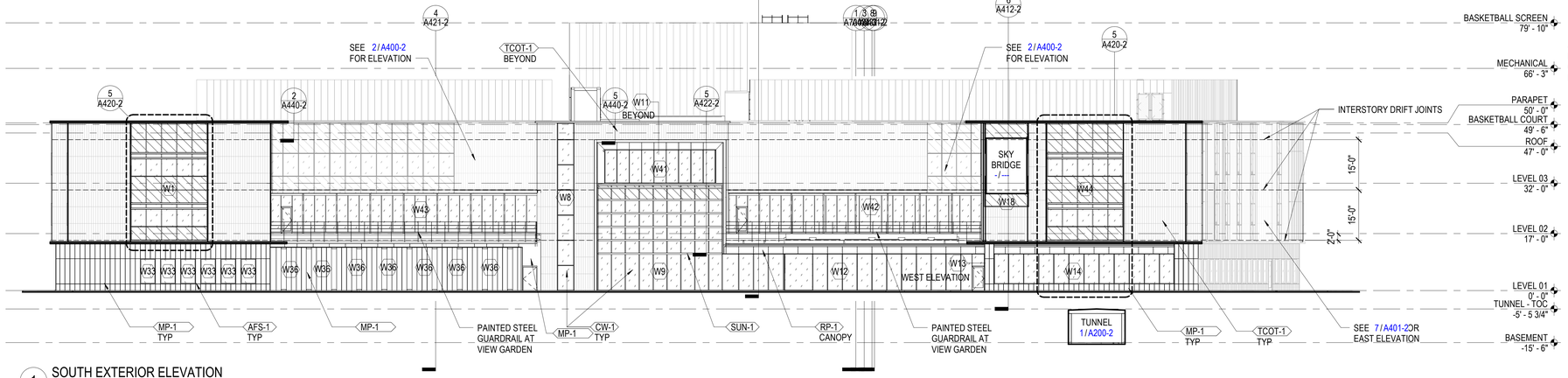
~~COUNTY PLANNING SUBMITTAL~~

INCREMENT X

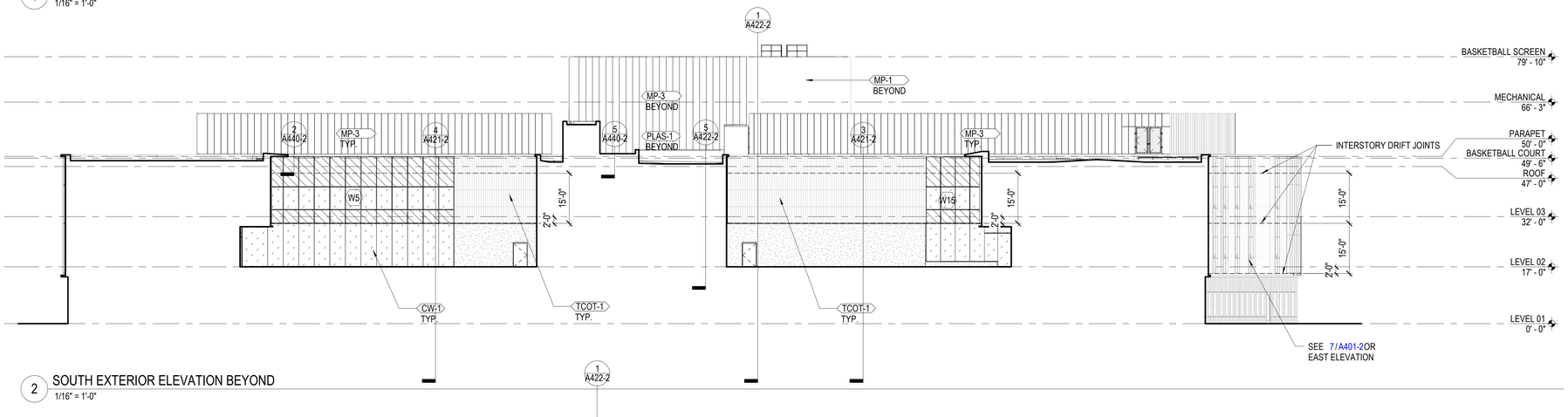
A1.2

COUNTY PLANNING SUBMITTAL

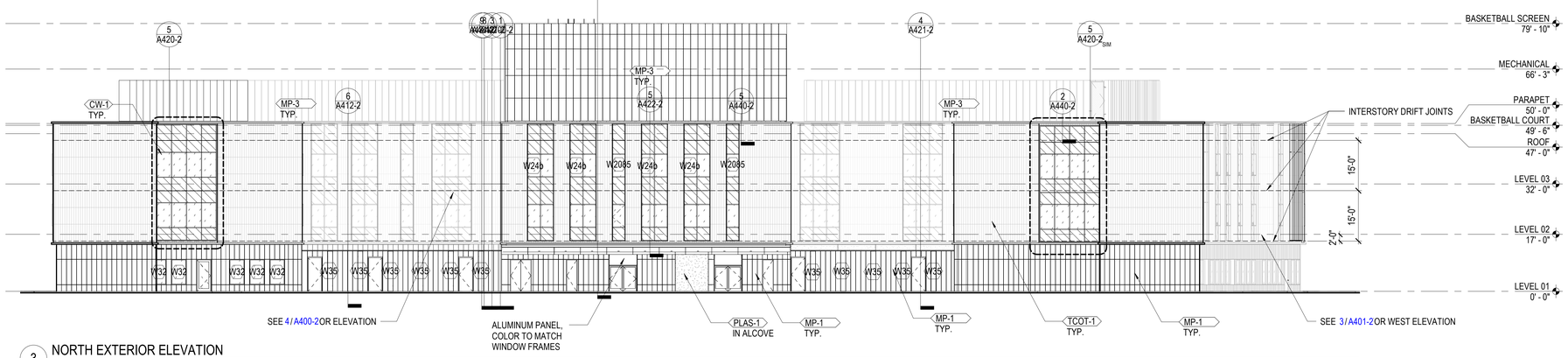
BIM 360://2072-SCVMC\2072-SCVMC-AS-PS-R20_Cloud.rvt
2/1/2021 2:27:19 PM
Author



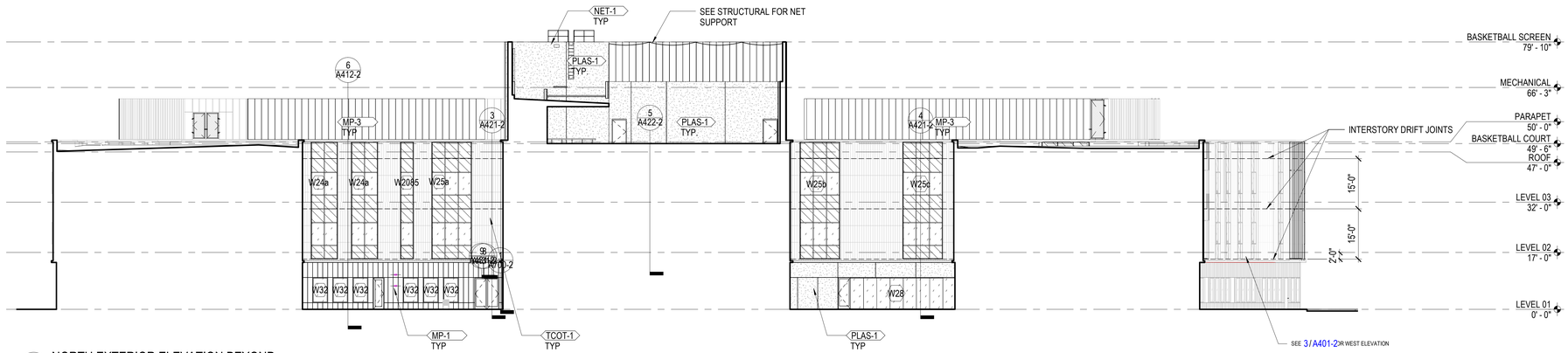
1 SOUTH EXTERIOR ELEVATION
1/16" = 1'-0"



2 SOUTH EXTERIOR ELEVATION BEYOND
1/16" = 1'-0"



3 NORTH EXTERIOR ELEVATION
1/16" = 1'-0"



4 NORTH EXTERIOR ELEVATION BEYOND
1/16" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

A. SEE SHEET A011 FOR <MAT-ID> LIST.
B. SEE STRUCTURAL SHEETS FOR MECHANICAL SCREEN FRAMING.
C. SEE A403-2 - A403-6 FOR ENLARGED ELEVATIONS OF TCOT-1.
D. SEE A407-2 - A408-2 FOR ENLARGED ELEVATIONS OF MP-1.

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

CUNINGHAM GROUP

SANTA CLARA VALLEY MEDICAL CENTER
751 S BASCOM AVE
SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER Hospital & Clinics

OSHPD PROJECT NUMBER:

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

OVERALL ELEVATIONS - NORTH AND SOUTH

DATE: FEBRUARY 12, 2021

COUNTY PLANNING SUBMITTAL

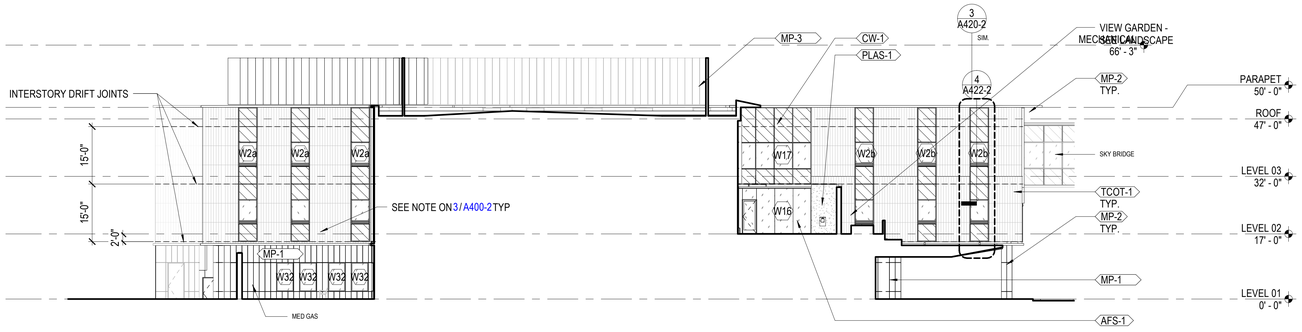
INCREMENT X

A400-2

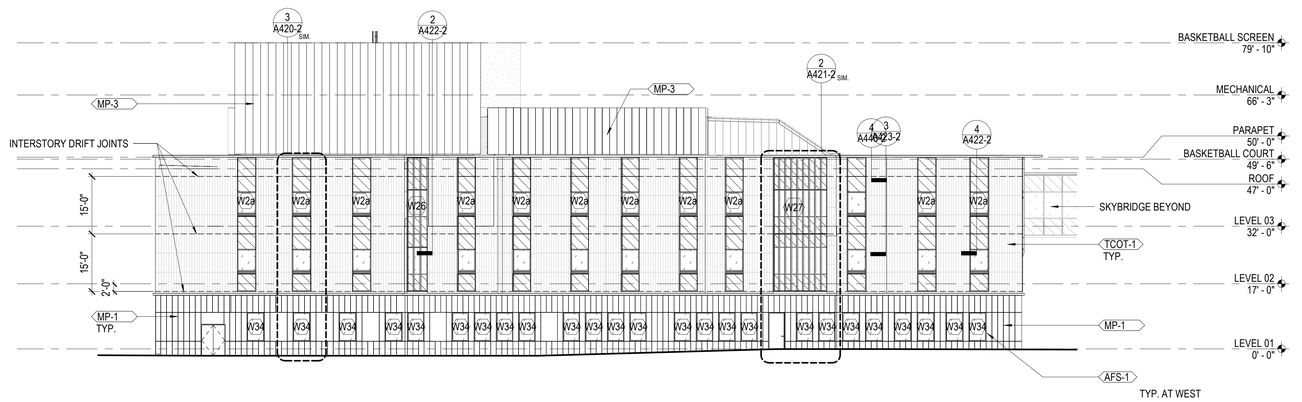
COUNTY PLANNING SUBMITTAL

GENERAL NOTES - EXTERIOR ELEVATIONS

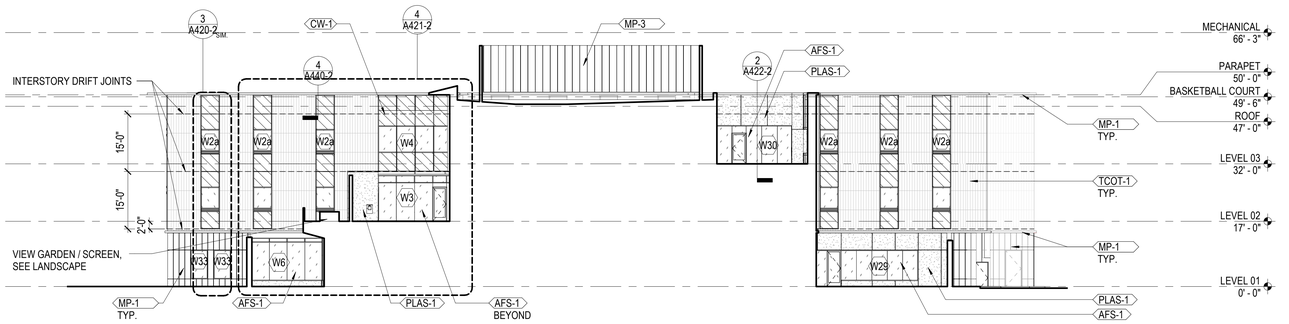
A. SEE SHEET A011 FOR <MAT-ID> LIST.
B. SEE STRUCTURAL SHEETS FOR MECHANICAL SCREEN FRAMING.
C. SEE A403-2 - A403-6 FOR ENLARGED ELEVATIONS OF TCOT-1.
D. SEE A407-2, A408-2 FOR ENLARGED ELEVATIONS OF MP-1.



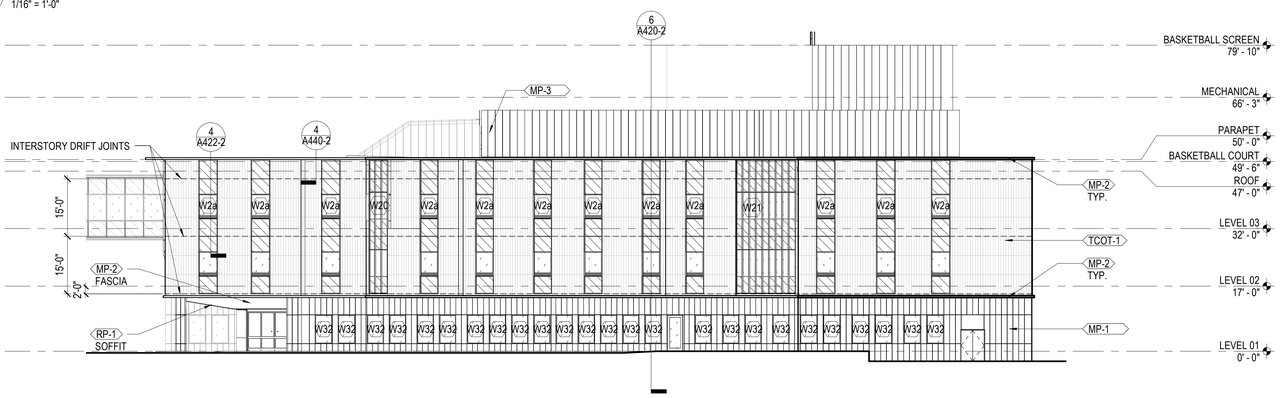
1 TURNER WING WEST ELEVATION
1/16" = 1'-0"



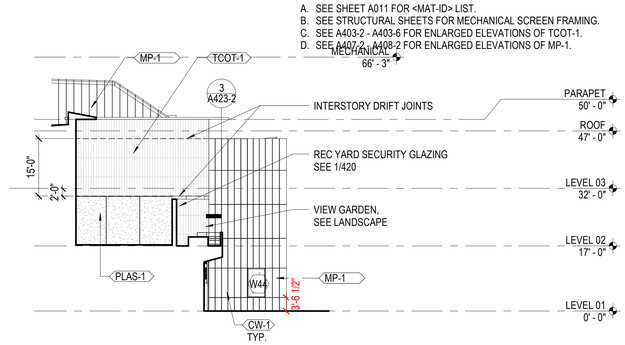
3 WEST EXTERIOR ELEVATION
1/16" = 1'-0"



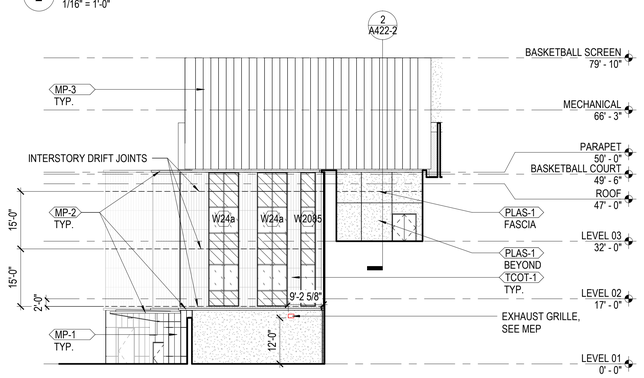
5 GINGER WING EAST ELEVATION
1/16" = 1'-0"



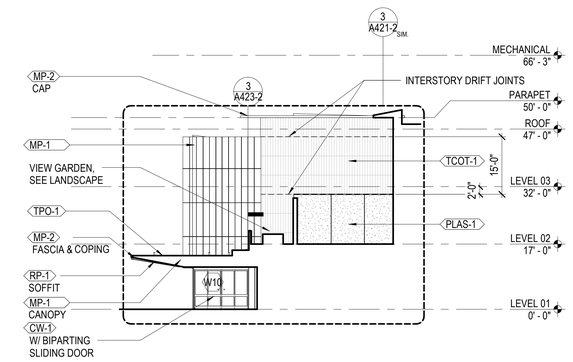
7 EAST EXTERIOR ELEVATION
1/16" = 1'-0"



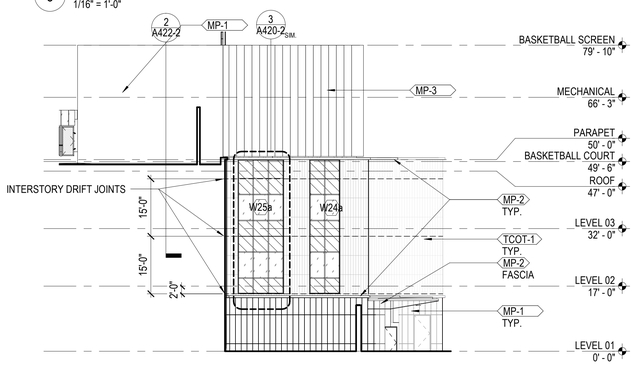
2 LOBBY WEST - ENTRY
1/16" = 1'-0"



4 ADMIN WEST ELEVATION
1/16" = 1'-0"



6 LOBBY EAST
1/16" = 1'-0"



8 ADMIN EAST ELEVATION
1/16" = 1'-0"

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

CUNINGHAM GROUP

SANTA CLARA VALLEY MEDICAL CENTER
751 S BASCOM AVE
SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER Hospital & Clinics

OSHPD PROJECT NUMBER:

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

OVERALL ELEVATIONS - EAST AND WEST

DATE: FEBRUARY 12, 2021

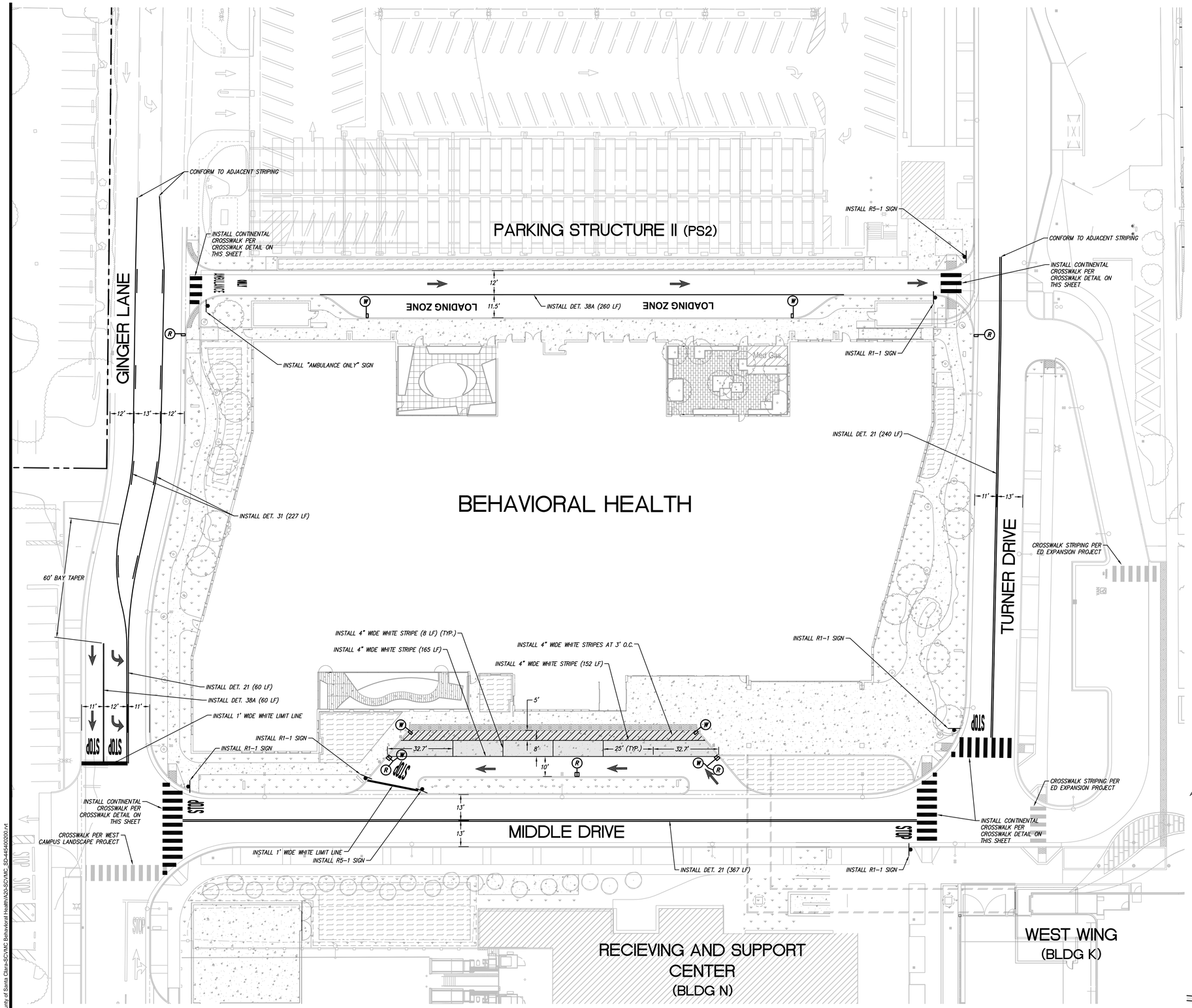
COUNTY PLANNING SUBMITTAL

INCREMENT X

A401-2

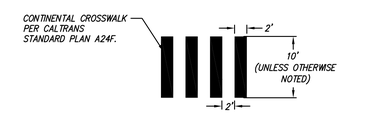
COUNTY PLANNING SUBMITTAL

Author 1/29/2021 4:09:41 AM BIM 360://County of Santa Clara-SCVMC Behavioral Health/A20-SCVMC BHSC_CORE AND SHELL-445400900.rvt



SIGNING AND STRIPING NOTES

1. STRIPING DETAILS INDICATED REFER TO THE CALTRANS STANDARD DETAILS.
2. CONTRACTOR SHALL REMOVE STRIPING/MARKINGS THAT CONFLICT WITH THIS PLAN.
3. STRIPING, SIGNS, AND METHODS AND MATERIALS SHALL ADHERE TO SECTION 2,3 AND 9 OF THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD) AND PROJECT SPECIFICATIONS.
4. STRIPING SHALL BE THERMOPLASTIC EXCEPT PARKING STALLS SHALL BE PAINT.
5. ALL PARKING STALL STRIPING SHALL BE 4" WIDE WHITE PAINT UNLESS NOTED OTHERWISE.
6. SIGN LOCATIONS ARE APPROXIMATE AND ARE TO BE INSTALLED AS DIRECTED BY THE OWNER.
7. CONTRACTOR SHALL PAINT STREET CURBS RED WITHIN 15' OF NEW DRIVEWAY LOCATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE CITY REGARDING FINAL RED CURB LOCATIONS AND REPAINT REMOVED OR DAMAGED SECTIONS OF CURB THAT RESULT FROM THIS PROJECT.

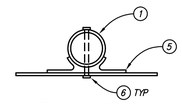


CROSSWALK STRIPING DETAIL
N.T.S.

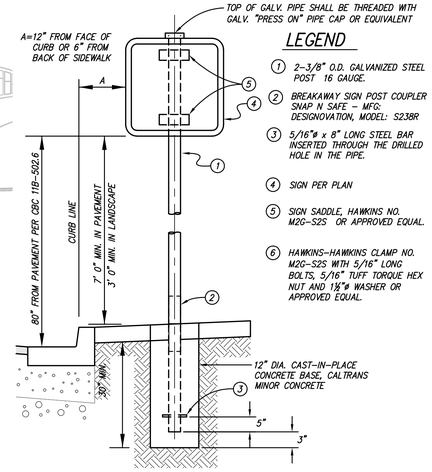
SCALE: 1"=20'

LEGEND

- STOP — INSTALL "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D
- BLU AMBULANCE — INSTALL WHITE "AMBULANCE ONLY" PAVEMENT MARKING
- LOADING ZONE — INSTALL "LOADING ZONE" PAVEMENT MARKING. TEXT SHALL BE 3.5' HIGH. TEXT SHALL HAVE ADEQUATE LEGIBILITY AS DETERMINED BY SCVMC.
- INSTALL TYPE I 10' ARROW PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24A
- INSTALL TYPE IV ARROW PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24A
- FURNISH AND INSTALL SIGN POST AND INDICATED SIGN PER SIGN DETAIL ON THIS SHEET
- (R) INSTALL RED CURB PAINT. (FLAG INDICATES DIRECTION OF CURB PAINT)
- (W) INSTALL WHITE CURB PAINT (FLAG INDICATES DIRECTION OF CURB PAINT)
- (R)(W) TRANSITION BETWEEN CURB PAINT TYPES.



PLAN VIEW



LEGEND

1. 2-3/8" O.D. GALVANIZED STEEL POST 16 GAUGE.
2. BREAKAWAY SIGN POST COUPLER SNAP N SAFE – MFG. DESIGNOVATION, MODEL: S238R
3. 5/16"ø x 8" LONG STEEL BAR INSERTED THROUGH THE DRILLED HOLE IN THE PIPE.
4. SIGN PER PLAN
5. SIGN SADDLE, HAWKINS NO. M2G-S2S OR APPROVED EQUAL.
6. HAWKINS-HAWKINS CLAMP NO. M2G-S2S WITH 5/16" LONG BOLTS, 5/16" TUFF TORQUE HEX NUT AND 1½"ø WASHER OR APPROVED EQUAL.

SIGN DETAIL
N.T.S.

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

SANDIS
EAST BAY/SF

CLIENT
SANTA CLARA VALLEY MEDICAL CENTER
CLIENT ADDRESS
751 S BASCOM AVE, SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER Hospital & Clinics

OSHPD PROJECT NUMBER:

DATE _____

MICHAEL A. KUYKENDALL
R.C.E. NO. 70870, EXPIRES 6-30-21

KEYPLAN

NOT FOR CONSTRUCTION

△NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

SIGNING AND STRIPING PLAN

DATE: DECEMBER 11, 2020

PERMIT SET

SITE DEVELOPMENT PACKAGE

C330

SITE DEVELOPMENT PACKAGE - 75% CONSTRUCTION DOCUMENT

BIM 360://County of Santa Clara-SCVMC Behavioral Health/A20-SCVMC_SD-445400200.rvt
7/1/2020, 5:50:59 PM
Author

File: X:\P\619076.D\(4) ENGINEERING\(2) PLAN SETS\(3) SHEET SET\ONSITE\C330.dwg Date:Jan 08, 2021 - 2:52pm

PARKING STRUCTURE II
(PS2)

BEHAVIORAL HEALTH

GINGER LANE

TURNER DRIVE

MIDDLE DRIVE

RECIEVING AND
SUPPORT CENTER
(BLDG N)

Med Gas

A

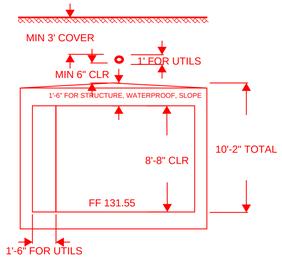
A

B

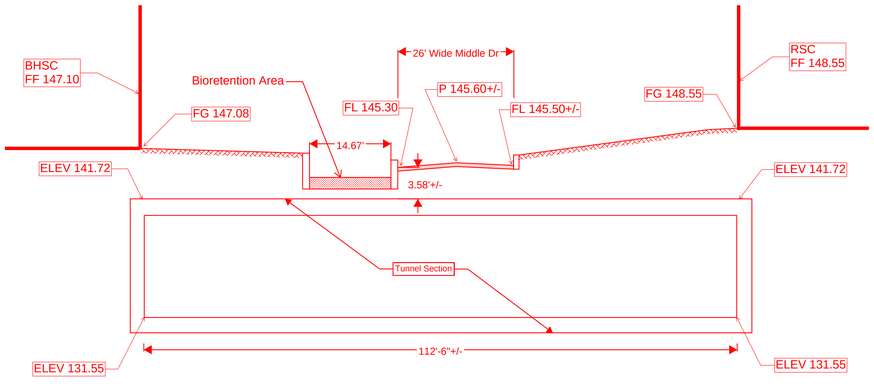
B

125'-0"

112'-6"

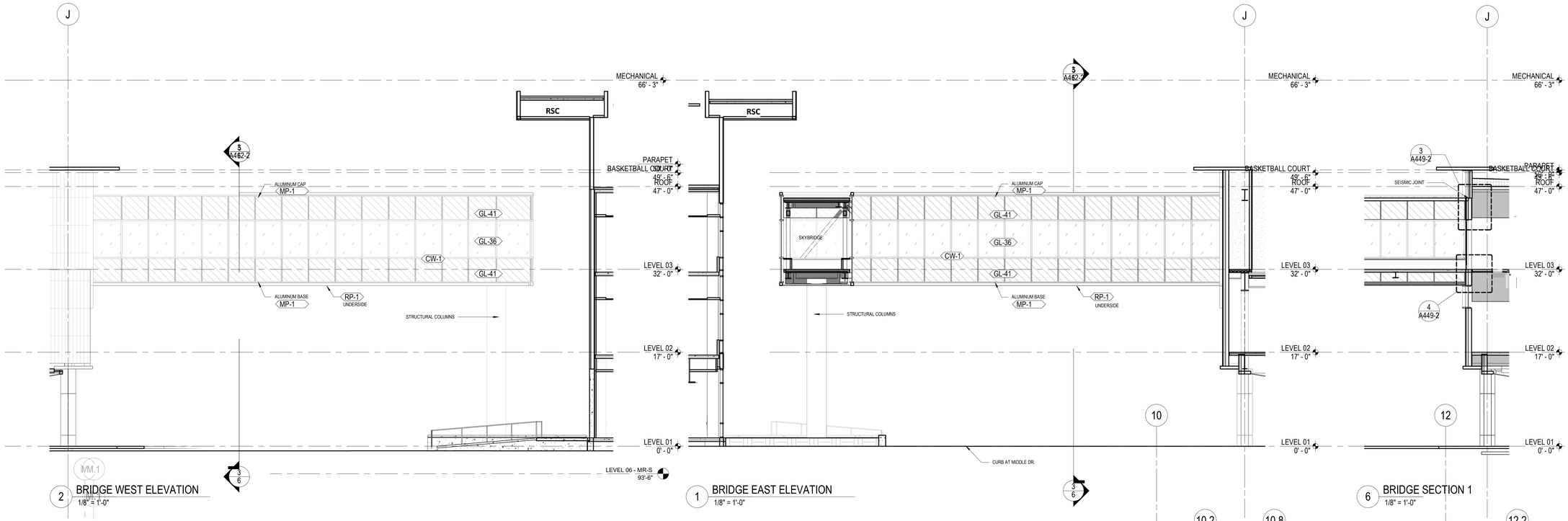


Section A-A
Tunnel Perpendicular Cross Section
N.T.S.



Section B-B
Tunnel Latitudinal Cross Section (Looking East)
N.T.S.

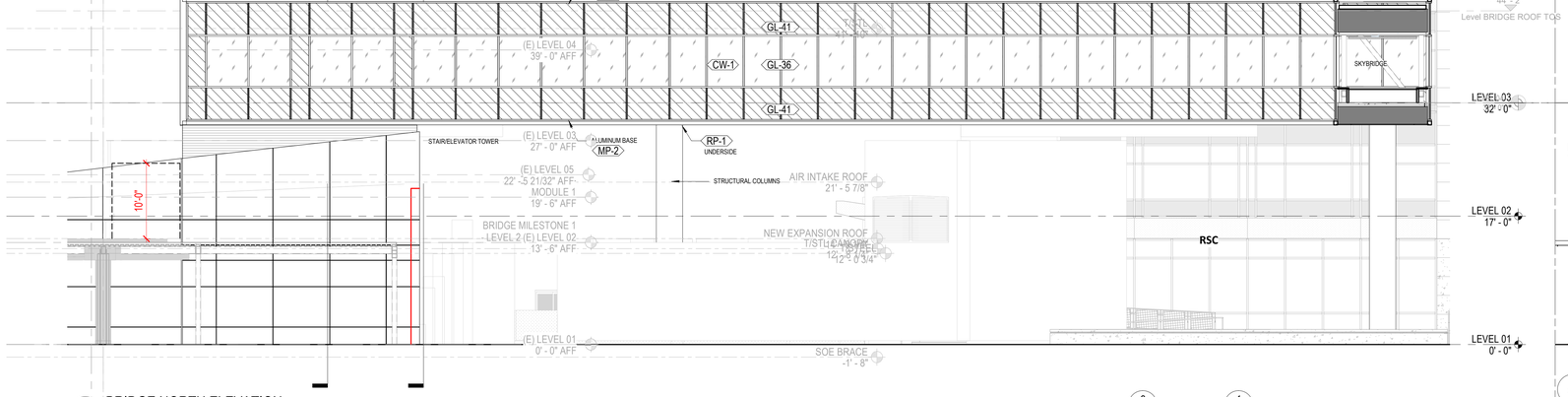
SANDIS
SCVMC BHSC Tunnel Section
10/7/2020
Scale: 1"=20'



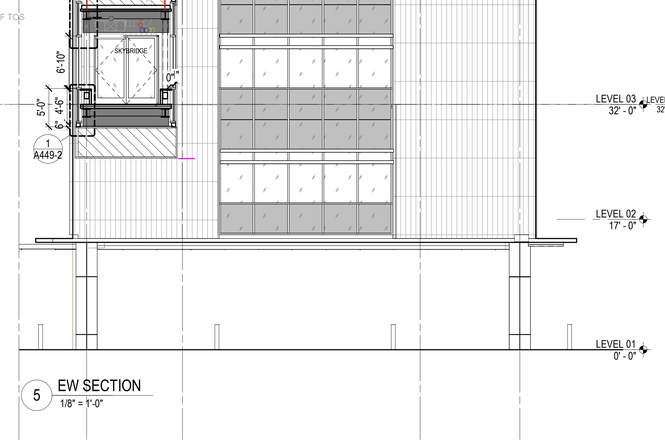
2 BRIDGE WEST ELEVATION
1/8" = 1'-0"

1 BRIDGE EAST ELEVATION
1/8" = 1'-0"

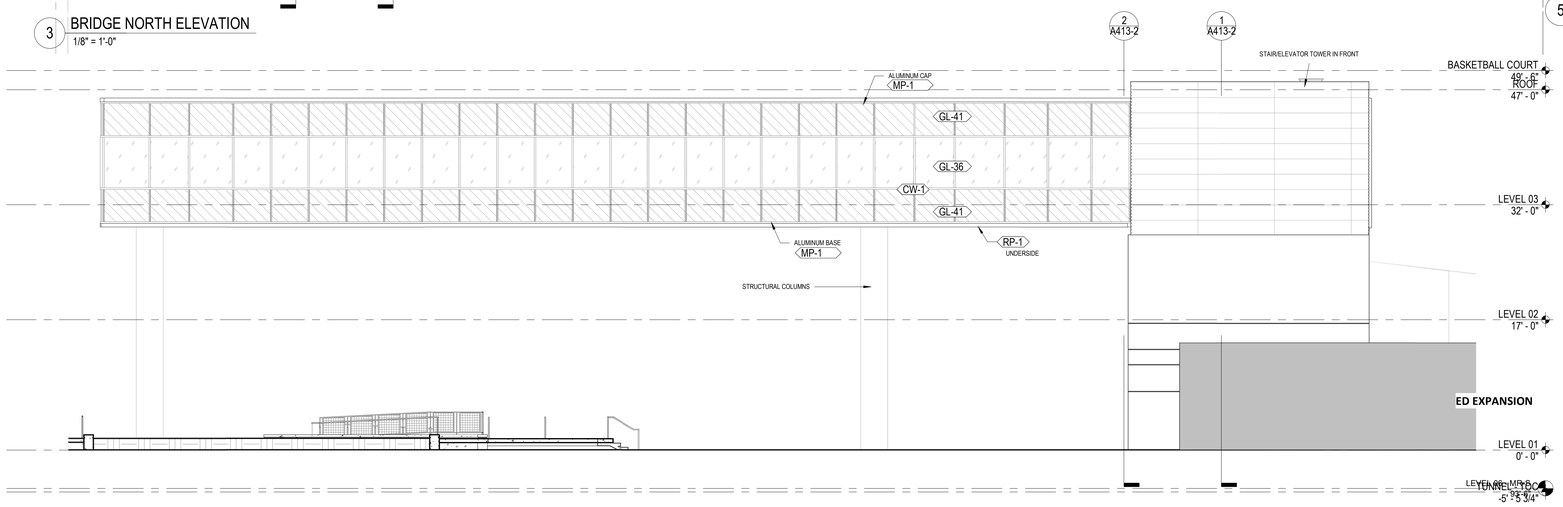
6 BRIDGE SECTION 1
1/8" = 1'-0"



3 BRIDGE NORTH ELEVATION
1/8" = 1'-0"



5 EW SECTION
1/8" = 1'-0"



4 BRIDGE SOUTH ELEVATION
1/8" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

A. SEE SHEET A011 FOR <MAT-ID> LIST.
B. SEE STRUCTURAL SHEETS FOR MECHANICAL SCREEN FRAMING.
C. SEE A403-2 - A403-6 FOR ENLARGED ELEVATIONS OF TCOT-1.
D. SEE A407-2 - A408-2 FOR ENLARGED ELEVATIONS OF MP-1.

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

CUNINGHAM GROUP

SANTA CLARA VALLEY MEDICAL CENTER
751 S BASCOM AVE
SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER Hospital & Clinics

OSHPD PROJECT NUMBER:

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

BUILDING SECTIONS

DATE: FEBRUARY 12, 2021

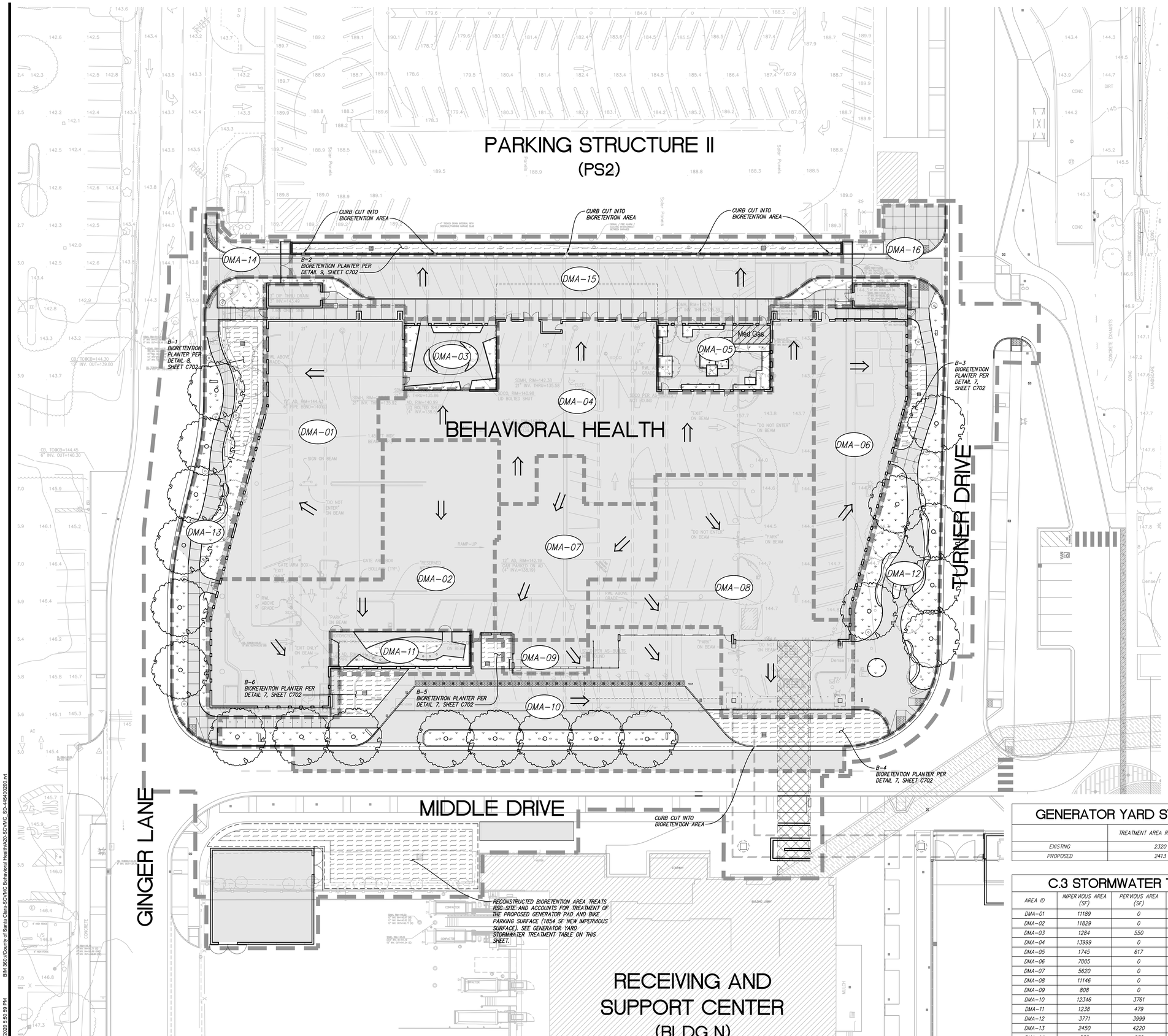
COUNTY PLANNING SUBMITTAL

INCREMENT X

A412-2

COUNTY PLANNING SUBMITTAL

Author 1/29/2021 4:07:26 AM BIM 360://County of Santa Clara-SCVMC Behavioral Health/A20-SCVMC BHSC - CORE AND SHELL 4454002000.rvt



SCALE: 1"=20'

STORMWATER MANAGEMENT PLAN LEGEND

- PROPOSED PERVIOUS AREA
- PROPOSED IMPERVIOUS AREA
- SELF RETAINING AREA
- BIO-RETENTION AREA
- DRAINAGE AREA BOUNDARY
- APPROXIMATE LIMIT OF WORK
- FLOW LINE
- FLOW DIRECTION
- DMA-X — DRAINAGE MANAGEMENT AREA

COORDINATION ITEMS:

1. STORMWATER MANAGEMENT APPROACH ASSUMES THAT HARDSCAPE WITHIN TURNER DR , MIDDLE DR, AND GINGER LN WILL BE TREATED UNDER THE WEST CAMPUS LANDSCAPE PROJECT.
2. BIORETENTION WALLS TO BE DETAILED IN COORDINATION WITH LANDSCAPE AND STRUCTURAL.
3. WATERPROOFING OF BIORETENTIONS AGAINST BUILDING TO BE COORDINATED WITH ARCHITECT AND STRUCTURAL
4. COORDINATE DETAILING OF INTERIOR COURTYARD STORMWATER TREATMENT WITH LANDSCAPE
5. INCORPORATE TREATMENT OF SKYBRIDGE STORMWATER RUNOFF INTO DESIGN

GENERATOR YARD STORMWATER TREATMENT

	TREATMENT AREA REQUIRED (SF)	TREATMENT AREA PROVIDED (SF)
EXISTING	2320	2320
PROPOSED	2413	2487

C.3 STORMWATER TREATMENT MEASURES

AREA ID	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	TOTAL AREA (SF)	REQUIRED BMP AREA (5% IMPERVIOUS AREA)	BMP ID
DMA-01	11189	0	11189	559	B-1
DMA-02	11829	0	11829	591	B-6
DMA-03	1284	550	1834	67	SELF-RETAINING
DMA-04	13999	0	13999	700	B-2
DMA-05	1745	617	2362	90	B-2
DMA-06	7005	0	7005	350	B-3
DMA-07	5620	0	5620	281	B-5
DMA-08	11146	0	11146	557	B-4
DMA-09	808	0	808	40	B-4
DMA-10	12346	3761	16107	636	B-4
DMA-11	1238	479	1717	64	SELF-RETAINING
DMA-12	3771	3999	7770	2209	SELF-RETAINING
DMA-13	2450	4220	6670	144	SELF-RETAINING
DMA-14	836	230	1066	43	IN-LIEU
DMA-15	8436	0	8436	4222	B-2
DMA-16	1657	106	1763	83	IN-LIEU

* NOTE: OFF-SITE AREA FROM DMA-10 TO BE TREATED BY BIORETENTION AREA B-4 IN LIEU OF TREATING DMA-14 AND DMA-16 PER CHAPTER 9 OF THE SCVURPPP C.3 STORMWATER HANDBOOK.

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

CLIENT
SANTA CLARA VALLEY MEDICAL CENTER
CLIENT ADDRESS
751 S BASCOM AVE, SAN JOSE, CALIFORNIA 95128
BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER
Hospital & Clinics

OSHPD PROJECT NUMBER:

DATE _____

MICHAEL A. KUYKENDALL
R.C.E. NO. 70870, EXPIRES 6-30-21

KEYPLAN

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

STORMWATER MANAGEMENT PLAN

DATE: FEBRUARY 12, 2021

COUNTY PLANNING SUBMITTAL

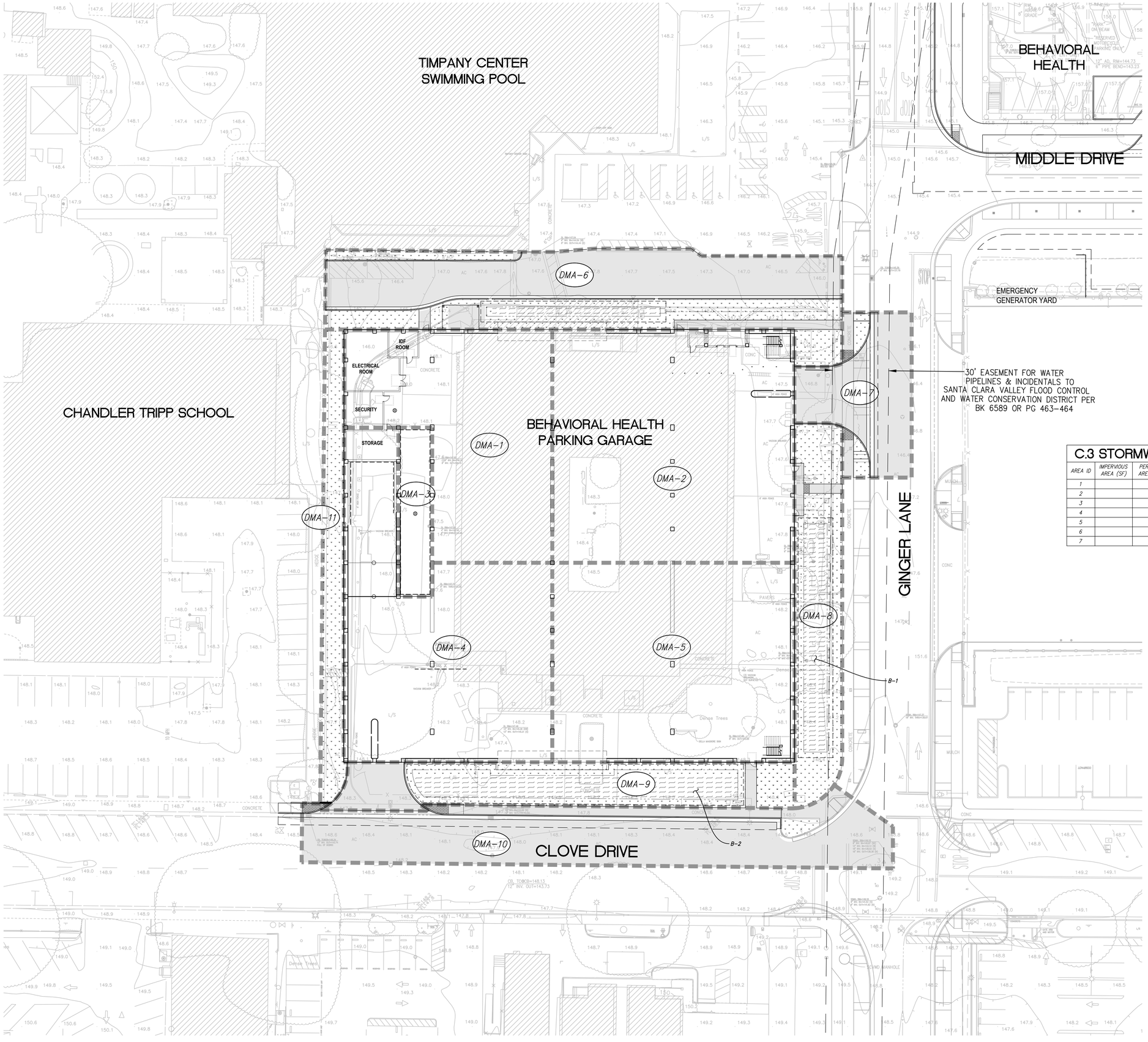
INCREMENT X

C600

COUNTY PLANNING SUBMITTAL

7/1/2020 5:55:09 PM BIM 360://County of Santa Clara-SCVMC Behavioral Health/A20-SCVMC_BD-445400200.rvt Author

File: X:\P\619076.D\(4) ENGINEERING\(2) PLAN SETS\(3) SHEET SET\ONSITE\C600.dwg Date: Jan 08, 2021 - 1:41pm



SCALE: 1"=20'

STORMWATER MANAGEMENT PLAN LEGEND

- PROPOSED PERVIOUS AREA
- PROPOSED IMPERVIOUS AREA
- SELF RETAINING AREA
- BIO-RETENTION AREA
- PERVIOUS PAVER/PAVEMENT AREA
- GREEN ROOF
- DRAINAGE AREA BOUNDARY
- FLOW LINE
- FLOW DIRECTION

C.3 STORMWATER TREATMENT MEASURES

AREA ID	IMPERVIOUS AREA (SF)	PERVIOUS AREA (SF)	TOTAL AREA (SF)	REQUIRED BMP AREA (5% IMPERVIOUS AREA)	BMP ID	BMP AREA PROVIDED
1						
2						
3						
4						
5						
6						
7						

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

SANDIS
EAST BAYSIDE

CLIENT
SANTA CLARA VALLEY MEDICAL CENTER
CLIENT ADDRESS
751 S BASCOM AVE, SAN JOSE,
CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER
PARKING STRUCTURE

SANTA CLARA VALLEY MEDICAL CENTER
Hospital & Clinics

OSHPD PROJECT NUMBER:

DATE _____

MICHAEL A. KUYKENDALL
R.C.E. NO. 70870, EXPIRES 6-30-21

KEYPLAN

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

STORMWATER MANAGEMENT PLAN

DATE: October 29, 2020

SD PHASE

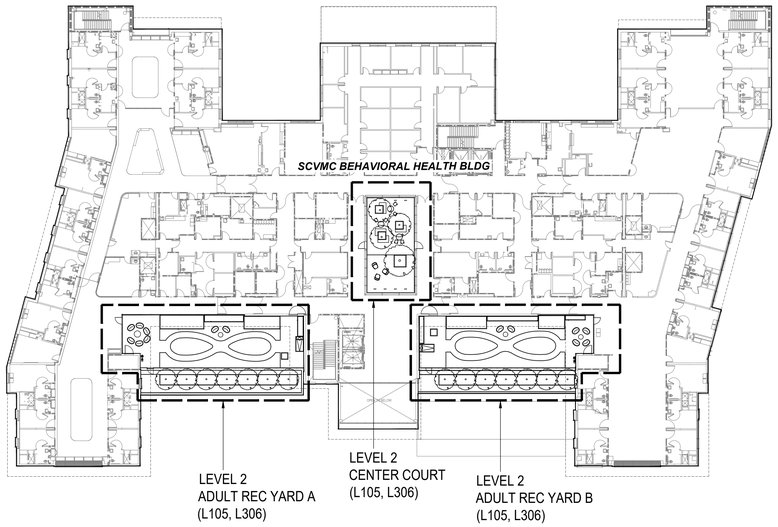
INCREMENT X

C600

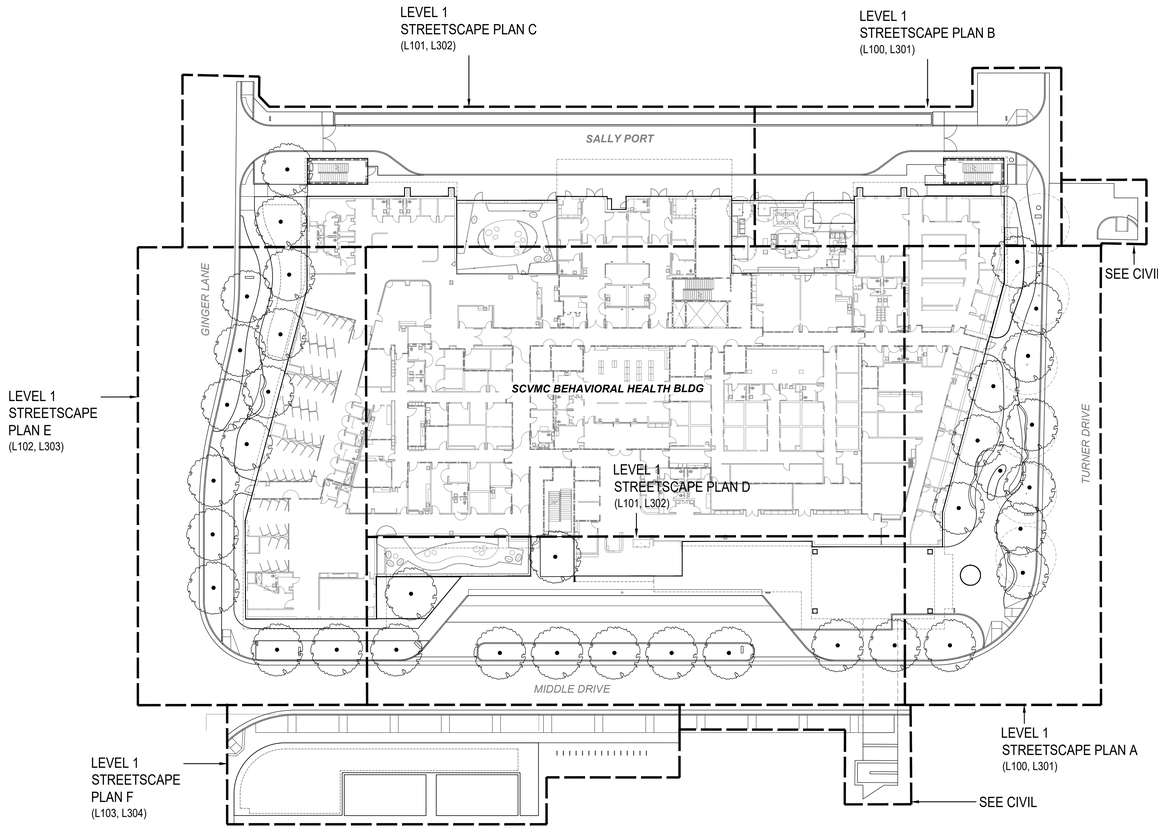
100% SCHEMATIC DESIGN

Author 7/1/2020 5:50:59 PM BIM 360://County of Santa Clara-SCVMC Behavioral Health/420-SCVMC_SD-445400200.rvt

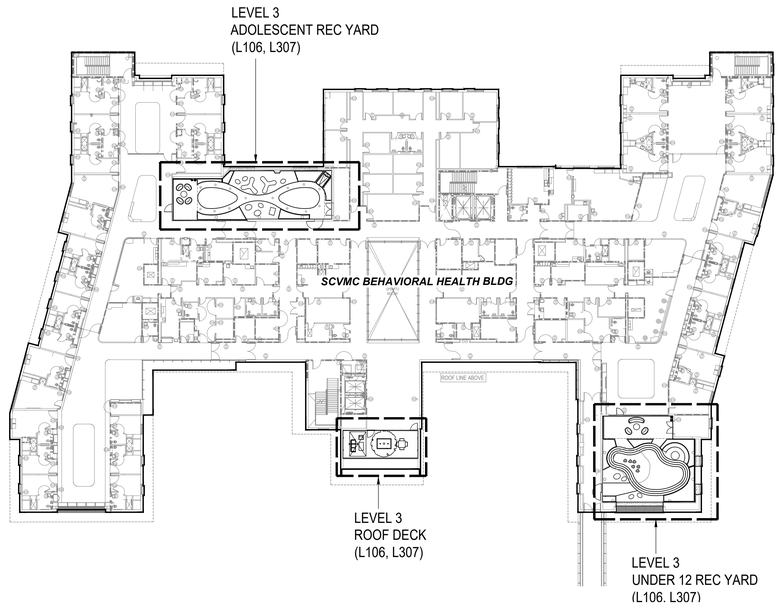
File: X:\P\619076.D\(4) ENGINEERING\(2) PLAN SETS\(3) SHEET SET\GARAGE\C600.dwg Date:Nov 23, 2020 - 5:51pm



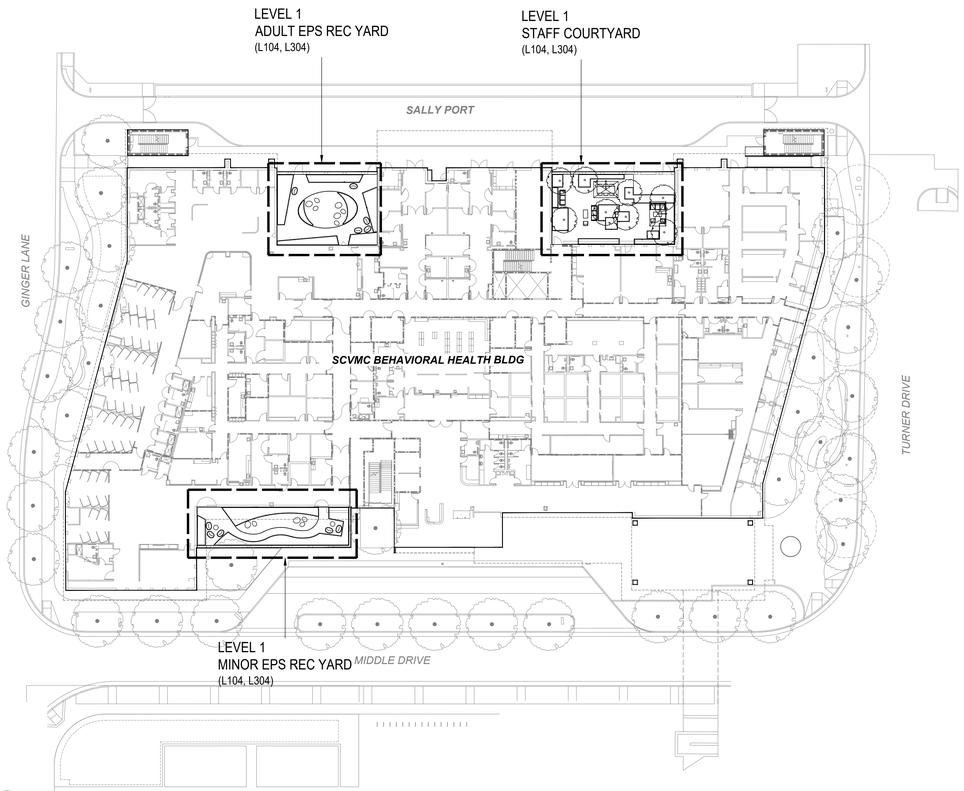
3 LEVEL 2
SCALE: 1"=30"



1 LEVEL 1 - STREETSCAPE
SCALE: 1"=30"



4 LEVEL 3
SCALE: 1"=30"



2 LEVEL 1
SCALE: 1"=30"

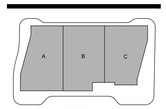
HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

rhaa
LANDSCAPE ARCHITECTURE + PLANNING
225 Miller Avenue, Mill Valley, CA 94941
T 415 383 7900 F 415 383 1433 www.rhaa.com

CLIENT
SANTA CLARA VALLEY MEDICAL CENTER
CLIENT ADDRESS
751 S BASCOM AVE, SAN JOSE,
CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER
Hospital & Clinics



KEYPLAN

NOT FOR CONSTRUCTION

△NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

LANDSCAPE REFERENCE PLANS

DATE: OCTOBER 30, 2020

100% DESIGN DEVELOPMENT

INCREMENT X

L0.01

DESIGN DEVELOPMENT

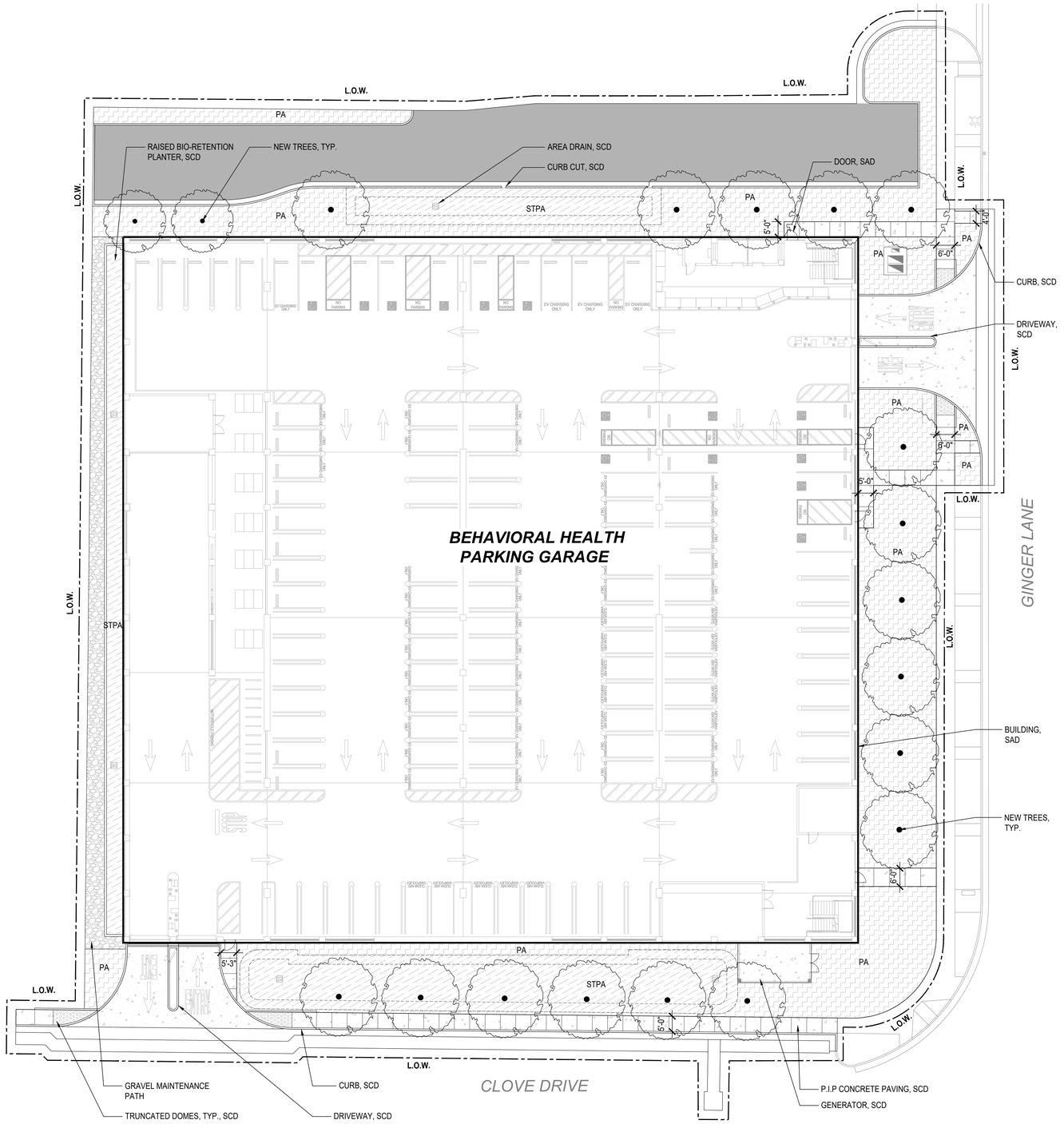
Author 7/15/2020 10:13:58 AM BIM 360://County of Santa Clara-SCVMC Behavioral Health/A20-SCVMC_SD-445400200.rvt

PLANTING SCHEDULE

SYMBOL	ABBREVIATION	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	HEIGHT	SPREAD	WATER USE	QTY
TREES									
	ACE RUB	*Acer rubrum 'October Glory'*	OCTOBER GLORY RED MAPLE	36 GAL.	AS SHOWN	40'-45'	30'-35'	MEDIUM	19
	ARB MAR	*Arbutus 'Marina'*	MARINA MADRONE	36 GAL.	AS SHOWN	40'-45'	35'-40'	LOW	
	CED DEO	*Cedrus deodara*	DEODAR CEDAR	36 GAL.	AS SHOWN	50'-55'	25'-30'	LOW	
	CER CAN	*Cercis canadensis*	EASTERN REDBUD	36 GAL.	AS SHOWN	30'-35'	30'-35'	MEDIUM	
	FRA UHD	*Fraxinus uhdei*	EVERGREEN ASH	36 GAL.	AS SHOWN	70'-75'	55'-60'	MEDIUM	
	GIN BIL	*Ginkgo biloba 'Autumn Gold'*	AUTUMN GOLD MAIDENHAIR TREE	36 GAL.	AS SHOWN	30'-35'	25'-30'	MEDIUM	
	PLA ACE	*Platanus x Acerifolia 'Columbia'*	LONDON PLANE TREE	36 GAL.	AS SHOWN	45'-50'	40'-45'	MEDIUM	
	MAG VIR	*Magnolia virginiana*	SWEET BAY	36 GAL.	AS SHOWN	45'-50'	20'-25'	MEDIUM	
	STY JAP	*Styrax japonicus*	JAPANESE SNOWDROP TREE	36 GAL.	AS SHOWN	25'-30'	20'-25'	MEDIUM	
	ZEL SER	*Zelkova serrata*	SAWLEAF ZELKOVA	36 GAL.	AS SHOWN	50'-55'	50'-55'	MEDIUM	
SHRUBS									
	ARC HOW	*Arctostaphylos densiflora 'Howard McMinn'*	VINE HILL MANZANITA	5 GAL.	36" O.C.	6'-10'	6'-10'	LOW	
	CAL LIT	*Callistemon 'Little John'*	DWARF CALLISTEMON	5 GAL.	36" O.C.	3'-5'	4'-6'	LOW	
	CEA SKY	*Ceanothus thyrsiflorus 'Skylark'*	CALIFORNIA LILAC 'SKYLARK'	5 GAL.	36" O.C.	3'-4'	4'-6'	LOW	
	GRE LON	*Grevillea 'Long John'*	GREVILLEA LONG JOHN	5 GAL.	36" O.C.	10'-15'	8'- 12'	LOW	
	MYR COM	*Myrtus communis compacta*	DWARF MYRTLE	5 GAL.	36" O.C.	2'-3'	2'-3'	LOW	
	OLE EUR	*Olea europaea 'Little Ollie'*	DWARF OLIVE	5 GAL.	36" O.C.	6'-8'	6'-8'	LOW	
	PHO YEL	*Phormium tenax 'Yellow wave"*	NEW ZEALAND FLAX	5 GAL	36" O.C.	3'-4'	3'-4'	LOW	
	PIT TOB	*Pittosporum tobira*	MOCK ORANGE	5 GAL.	36" O.C.	12'-16'	8'- 12'	LOW	
	RHA EVE	*Rhamnus californica 'Eve Case'*	COFFEEBERRY	5 GAL.	36" O.C.	6'-8'	6'-8'	LOW	
	WES WYN	*Westringia 'Wynyabbie Highlight'*	VARIEGATED AUSTRALIAN ROSEMARY	5 GAL.	36" O.C.	3'-4'	3'-4'	LOW	
PERENNIALS									
	ACH MIL	*Achillea millefolium*	COMMON YARROW	5 GAL.	36" O.C.	1'-3'	1'-2'	LOW	
GRASSES									
	BOU BLO	*Bouteloua gracilis 'Blonde Ambition'*	BLUE GRAMA	5 GAL.	36" O.C.	1'-2'	1'-2'	LOW	10,656 SF
	CHO TEC	*Chondropetalum tectorum*	SMALL CAPE RUSH	5 GAL.	36" O.C.	2'-3'	3'-4'	LOW	
	FES MAI	*Festuca mairei*	ATLAS FESCUE	5 GAL.	36" O.C.	2'-3'	2'-3'	LOW	
	JUN SPR	*Juncus patens 'Spreading Rush'*	SPREADING RUSH	5 GAL.	36" O.C.	1'-2'	1'-2'	LOW	
	LOM CON	*Lomandra confertifolia*	MAT RUSH	5 GAL.	36" O.C.	1'-2'	1'-2'	LOW	
	MIS SIN	*Miscanthus sinensis*	MAIDEN SILVERGRASS	5 GAL.	36" O.C.	4'-6'	3'-5'	MEDIUM	
	MUH RIG	*Muhlenbergia rigens*	DEER GRASS	5 GAL.	36" O.C.	4'-5'	4'-6'	LOW	
GROUNDCOVERS									
	ARC UVA	*Arctostaphylos uva-ursi*	BEARBERRY MANZANITA	1 GAL.	24" O.C.	1'	10'-12'	LOW	
	CEA SPP	*Ceanothus 'Centennial'*	CENTENNIAL CEANOTHUS	5 GAL	36" O.C.	1'	4'-5'	LOW	
	ROB EME	*'Rubus pentalobus 'Emerald Carpet'*	EMERALD CARPET CREEPING RASBERRY	5 GAL.	60" O.C.	1'	4'-6'	MEDIUM	
VINES									
	BOU SPP	*Bougainvillea spp*	BOUGAINVILLEA	1 GAL	30" O.C.	2'-4'	4'-6'	LOW	
	FIC PUM	*Ficus pumila*	CREEPING FIG	1 GAL	30" O.C.	30'-40'	5'-10'	MEDIUM	
	HAR VIO	Hardenbergia violacea	PURPLE VINE LILAC	1 GAL	30" O.C.	12'-16'	5'-10'	MEDIUM	
	PAR QUI	*Parthenocissus quinquefolia*	VIRGINIA CREEPER	1 GAL	30" O.C.	30'-40'	5'-10'	MEDIUM	
	WIS SPP	Wisteria spp	WISTERIA	1 GAL	30" O.C.	10'-15'	5'-10'	MEDIUM	

STORMWATER PLANTING

SYMBOL	ABBREVIATION	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	HEIGHT	SPREAD	WATER USE	QTY
PERENNIALS									
	ACH MIL	*Achillea millefolium*	COMMON YARROW	5 GAL.	36" O.C.	1'-3'	1'-2'	LOW	5,503 SF
GRASSES									
	BOU BLO	*Bouteloua gracilis 'Blonde Ambition'*	BLUE GRAMA	5 GAL.	36" O.C.	1'-2'	1'-2'	LOW	
	CAR BUC	*Carex buchananii*	CURLY TOP SEDGE	5 GAL.	36" O.C.	1'-3'	1'-2'	MEDIUM	
	CHO TEC	*Chondropetalum tectorum*	SMALL CAPE RUSH	5 GAL.	36" O.C.	2'-3'	3'-4'	LOW	
	FES CAL	*Festuca californica*	CALIFORNIA FESCUE	5 GAL.	36" O.C.	2'-3'	2'-3'	LOW	
	FES MAI	*Festuca mairei*	ATLAS FESCUE	5 GAL.	36" O.C.	2'-3'	2'-3'	LOW	
	JUN SPR	*Juncus Patens 'Spreading Rush'*	SPREADING RUSH	5 GAL.	36" O.C.	1'-2'	1'-2'	LOW	
	LOM CON	*Lomandra confertifolia*	MAT RUSH	5 GAL.	36" O.C.	1'-2'	1'-2'	LOW	
	MUH RIG	*Muhlenbergia rigens*	DEER GRASS	5 GAL.	36" O.C.	4'-5'	4'-6'	LOW	



LEGEND

- PIP CONCRETE PAVING, SCD
- TRUNCATED DOMES, SCD
- GRAVEL, SEE SPECS
- PA — PLANTING AREA
- ASPHALT
- STPA — STORMWATER TREATMENT PLANTING AREA
- SMALL TREE
- LARGE TREE

SCALE: 1/16" = 1'-0"

0 8' 16' 32'

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

rhaa
LANDSCAPE ARCHITECTURE + PLANNING
225 Miller Avenue, Mill Valley, CA 94941
T 415 383 7900 F 415 383 1433 www.rhaa.com

SANTA CLARA VALLEY MEDICAL CENTER
751 S BASCOM AVE
SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER Hospital & Clinics

OSHPD PROJECT NUMBER:

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

CONSTRUCTION PLAN

DATE: FEBRUARY 12, 2021

COUNTY PLANNING SUBMITTAL

INCREMENT X

L100

COUNTY PLANNING SUBMITTAL

1/31/2021 10:37:34 PM BIM 360://County of Santa Clara-SCVMC Behavioral Health/A20-SCVMC BHSC_CORE AND SHELL-445400200.rvt Author

STREETSCAPE

TREES

Acer rubrum 'October Glory'
October Glory Red Maple

Arbutus 'Marina'
Marina Madrone

Cedurs deodara
Deodar Cedar

Cercis canadensis
Eastern Redbud

Fraxinus uhdei
Evergreen Ash

Ginkgo biloba 'Autumn Gold'
Autumn Gold Maidenhair Tree

Platanus x acerifolia 'Columbia'
London Plane Tree

Magnolia virginiana
Sweet Bay Magnolia

Styrax japonica
Japanese Snowdrop Tree

Zelkova serrata
Sawleaf Zelkova

SHRUBS

Arctostaphylos densiflora 'Howard McMinn'
Vine Hill Manzanita

Callistemon 'Little John'
Dwarf Callistemon

Ceanothus thyrsiflorus 'Skylark'
California Lilac 'Skylark'

Grevillea 'Long John'
Grevillea Long John

Myrtus communis compacta
Dwarf Myrtle

Olea europaea 'Little Ollie'
Dwarf Olive

Phormium tenax 'Yellow Wave'
New Zealand Flax

Pittoporum tobira
Mock Orange

Rhamnus californica 'Eve Case'
Coffeeberry

PERENNIALS

Westringia 'Wynyabbie Highlight'
Variegated Australian Rosemary

Achillea millefolium
Common Yarrow

GRASSES

Bouteloua gracilis 'Blonde Ambition'
Blue Grama

Chondropetalum tectorum
Small Cape Rush

Festuca mairei
Atlas Fescue

Juncus patens 'Spreading Rush'
Spreading Rush

Lomandra confertifolia
Mat Rush

Miscanthus sinensis
Maiden Silvergrass

Muhlenbergia rigens
Deer Grass

GROUNDCOVERS

Arctostaphylos uva-ursi
Bearberry Manzanita

Ceanothus 'Centennial'
Centennial Ceanothus

Lantana montevidensis
Purple Trailing Lantana

Rosmarinus officinalis prostratus
Creeping Rosemary

Rubus pentalobus 'Emerald Carpet'
Emerald Carpet Creeping Rasberry

VINES

Bougainvillea spp
Bougainvillea

Ficus pumila
Creeping Fig

Hardenbergia violacea
Purple Vine Lilac

Parthenocissus quinquefolia
Virginia Creeper

Wisteria spp
Wisteria

STORMWATER

PERENNIALS

Achillea millefolium
Common Yarrow

GRASSES

Bouteloua gracilis 'Blonde Ambition'
Blue Grama

Carex buchananii
Curly Top Sedge

Chondropetalum tectorum
Small Cape Rush

Festuca californica
California Fescue

Festuca mairei
Atlas Fescue

Juncus patens 'Spreading Rush'
Spreading Rush

Lomandra confertifolia
Mat Rush

Muhlenbergia rigens
Deer Grass

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

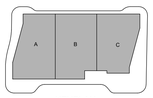
rhaa
LANDSCAPE ARCHITECTURE + PLANNING
225 Miller Avenue, Mill Valley, CA 94941
T 415 383 7900 F 415 383 1433 www.rhaa.com

CLIENT
SANTA CLARA VALLEY MEDICAL CENTER
CLIENT ADDRESS
751 S BASCOM AVE, SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER
Hospital & Clinics

OSHPD PROJECT NUMBER:



KEYPLAN

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

PLANT IMAGERY

DATE: OCTOBER 30, 2020

100% SCHEMATIC DESIGN

INCREMENT X

L2.00

SCHEMATIC DESIGN

PARKING STRUCTURE II (PS2)

BEHAVIORAL HEALTH

LEVEL 1 FF = 147.10

BASEMENT FF = 131.60

RECEIVING AND SUPPORT CENTER

(BLDG N)

LEVEL 1 FF = 148.55

BASEMENT FF = 131.55

WEST WING

(BLDG K)

PAD = 146.00

SEE ENLARGEMENT A ON SHEET C410

SEE ENLARGEMENT B ON SHEET C410

SEE ENLARGEMENT C ON SHEET C410

B–B C710

A–A C710

Med Gas

C401 C402 C403 C404

SCALE: 1"=20'

LEGEND

- PROPERTY LINE
- SAWCUT LINE
- APPROXIMATE LIMIT OF WORK
- AC PAVEMENT (4 / C700)
- DEEP LIFT (16 / C700)
- CONCRETE SIDEWALK (5 / C700)
- VEHICULAR CONCRETE (6 / C700)
- PLANTING, SEE LANDSCAPING
- BIO–TREATMENT AREA

COORDINATION ITEMS:

1. COUNTY TO PROVIDE DIRECTION REGARDING PROJECT SCOPE OF BEHAVIORAL HEALTH AND ADJACENT WEST CAMPUS PROJECT AND VERIFY DESIGN TEAM'S UNDERSTANDING OF THE EXTENTS OF HARDSCAPE IMPROVEMENTS WITHIN ROADWAY.
2. DETAIL FOR RSC ACCESSIBLE RAMP REBUILD TO BE PROVIDED IN FUTURE SUBMITTAL

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

SANDIS
EAST BAY/SF

CLIENT
SANTA CLARA VALLEY MEDICAL CENTER
CLIENT ADDRESS
751 S BASCOM AVE, SAN JOSE,
CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER
Hospital & Clinics

OSHPD PROJECT NUMBER:

DATE

MICHAEL A. KUYKENDALL
R.C.E. NO. 70870, EXPIRES 6–30–21

KEYPLAN

NOT FOR CONSTRUCTION

△NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

OVERALL GRADING PLAN

DATE:

COUNTY PLANNING SUBMITTAL

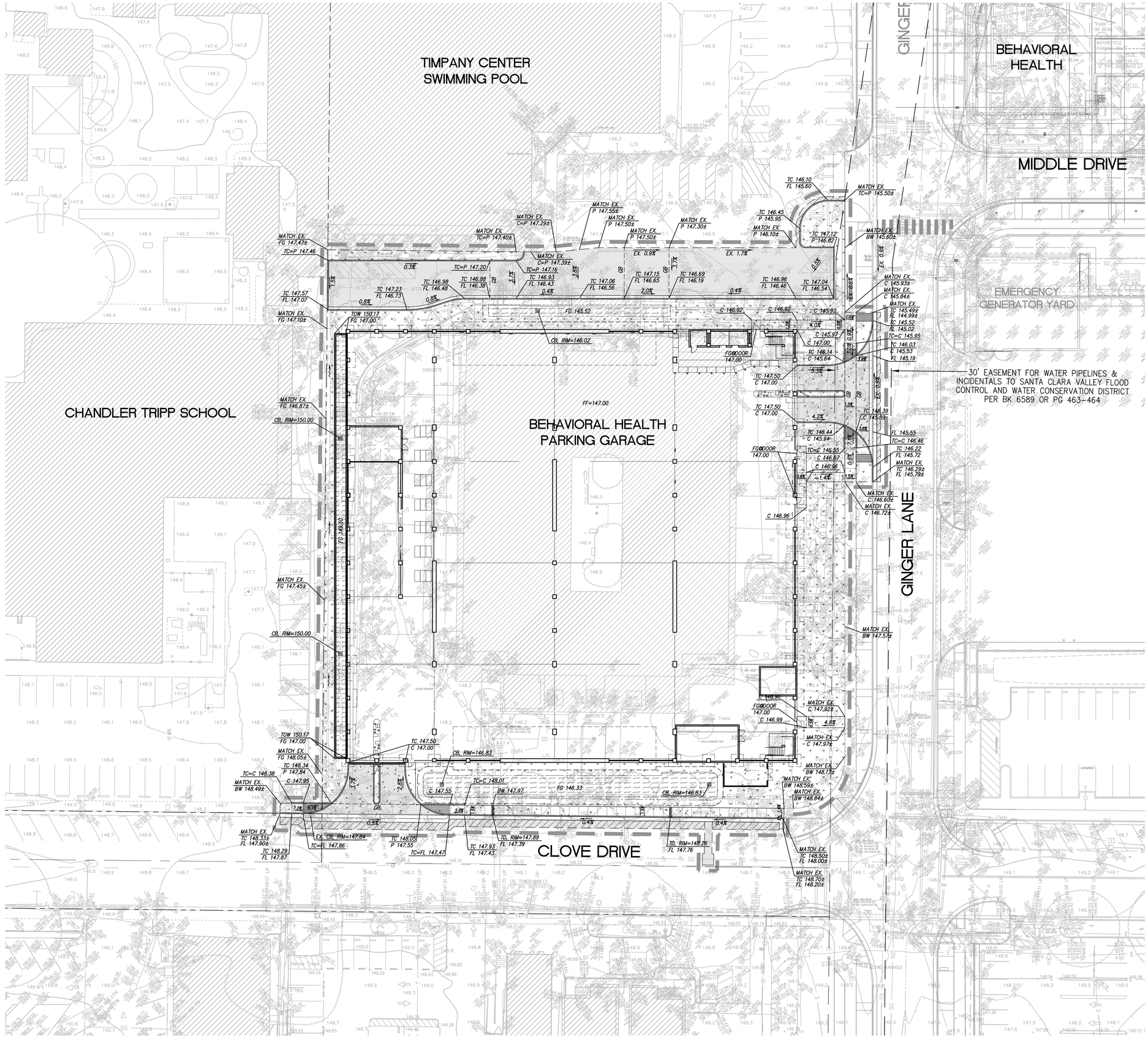
SITE DEVELOPMENT PACKAGE

C400

COUNTY PLANNING SUBMITTAL

Author 7/1/2020 5:50:59 PM BIM 360://County of Santa Clara-SCVMC Behavioral Health/A20-SCVMC_SD-445400200.rvt

File: X:\P\619076.D\(4) ENGINEERING\(2) PLAN SETS\(3) SHEET SET\ONSITE\C404.dwg Date:Jan 08, 2021 - 3:18pm



SCALE: 1"=20'

LEGEND

- PROPERTY LINE
- APPROXIMATE LIMIT OF WORK
- SAWCUT LINE
- DIRECTION OF STEEP SLOPE
- FLOW LINE
- GRADE BREAK
- 194 / 195 CONTOURS
- AC PAVEMENT (XX / XXXX)
- DEEP LIFT (XX / XXXX)
- CONCRETE SIDEWALK (XX / XXXX)
- PLANTING. SEE LANDSCAPE PLANS.
- BIO-TREATMENT AREA (XX / XXXX)

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

SANDIS
EAST BAY/SF

SANTA CLARA VALLEY MEDICAL CENTER
751 S BASCOM AVE
SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER
PARKING STRUCTURE

SANTA CLARA VALLEY MEDICAL CENTER
Hospital & Clinics

OSHPD PROJECT NUMBER:

DATE _____

MICHAEL A. KUYKENDALL
R.C.E. NO. 70870, EXPIRES 6-30-21

KEYPLAN

NOT FOR CONSTRUCTION

△NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

SANDIS NO: 619076.D

GRADING AND DRAINAGE PLAN

DATE: FEBRUARY 12, 2021

COUNTY PLANNING SUBMITTAL

INCREMENT X

C400

COUNTY PLANNING SUBMITTAL

Author 7/1/2020 5:50:59 PM BIM 360://County of Santa Clara-SCVMC Behavioral Health/A20-SCVMC_SD-445400000.rvt

File: X:\P\619076.D\(4) ENGINEERING\(2) PLAN SETS\(3) SHEET SET\GARAGE\C400.dwg Date:Feb 01, 2021 - 11:10am

30' EASEMENT FOR WATER PIPELINES & INCIDENTALS TO SANTA CLARA VALLEY FLOOD CONTROL AND WATER CONSERVATION DISTRICT PER BK 6589 OR PG 463–464

C501 C502 C503 C504

30' EASEMENT FOR WATER PIPELINES & INCIDENTALS TO SANTA CLARA VALLEY FLOOD CONTROL AND WATER CONSERVATION DISTRICT PER BK 6589 OR PG 463–464

SANDIS
EAST BAY/SF
SCALE: 1"=20'

LEGEND

PROPERTY LINE

BIO–TREATMENT AREA

COORDINATION ITEMS

1. DIRECTION NEEDED FROM STRUCTURAL AND ELECTRICAL ON COMBINING ELECTRICAL POCS AT BUILDING
2. ELECTRICAL TO PROVIDE FINAL EMERGENCY GENERATOR SIZE AND LAYOUT WITH IN GENERATOR YARD
3. MEP TO CONFIRM WITH COUNTY IF EXISTING SITE ELECTRICAL AND GENERATOR CONTROL WITHIN BUILDING FOOT PRINT WILL NEED TO BE REROUTED. MEP TO PROVIDE DETAILS ON REQUIRED STRUCTURES AND CONDUITS FOR REROUTES.
4. FURTHER COORDINATION REQUIRED TO CONFIRM ELECTRICAL DUCT ROUTING OVER PROPOSED TUNNEL CONNECTION TO RSC
5. MEP TO RELOCATE SEWER LATERAL UNDER SOUTHERN BIORETENTION PLANTER AND PROVIDE REVISED POC.
6. EXISTING AND PROPOSED UTILITIES AT SOUTHEAST CORNER OF SITE TO BE COORDINATED WITH FINAL LANDSCAPE SITE LAYOUT
7. STRUCTURAL TO PROVIDE ZONE OF INFLUENCE FOR NORTH STAIR TOWER PIERS. UTILITIES WITHIN SALLY PORT TO BE RELOCATE AS NEEDED.
8. COORDINATE FOOTING DETAILS FOR SITE LIGHTING WITHIN BIORETENTION PLANTERS
9. FOUNDATION DRAIN TO BE ADDED TO UTILITY PLAN IN FUTURE SUBMITTAL
10. MEP TO PROVIDE DIRECTION ON FUEL SPILL CAPTURE REQUIREMENTS FOR GENERATOR YARD
11. FINAL COORDINATION NEEDED REGARDING GATE CONTROLLERS AND KEY PAD/CARD READERS

STORM DRAIN NOTES

1. PRIVATE STORM DRAIN LINE 4–INCH THROUGH 12–INCH WITH A MINIMUM OF TWO (2) FEET OF COVER IN NON–TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35 GREEN PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034–73 WITH BELLS AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS, 45° ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
2. PRIVATE STORM DRAIN LINE 6–INCH THROUGH 12–INCH WITH LESS THAN THREE (3) FEET OF COVER IN VEHICULAR TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) C900, RATED FOR 150 PSI CLASS PIPE. PROVIDE AND INSTALL "STORM DRAIN" MARKER TAPE FOR THE ENTIRE LENGTH OF PIPE TRENCH. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, OBTUSE ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
3. ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS.
4. ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
5. FOR GRAVITY FLOW SYSTEMS CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF ANY GRAVITY FLOW SYSTEM.
6. DRAINS SHOWN ON CIVIL PLANS ARE NOT INTENDED TO BE THE FINAL NUMBER AND LOCATION OF ALL DRAINS. PLACEMENT AND NUMBER OF LANDSCAPING DRAINS ARE HIGHLY DEPENDENT ON GROUND COVER TYPE AND PLANT MATERIAL. CONTRACTOR SHALL ADD ADDITIONAL AREA DRAINS AS NEEDED AND AS DIRECTED BY THE LANDSCAPE ARCHITECT.
7. INSTALL SEPARATE SUB–DRAIN SYSTEM BEHIND RETAINING WALLS PER GEOTECHNICAL REPORT AND CONNECT TO STORM DRAIN SYSTEM AS SHOWN ON PLANS.
8. ALL DOWN SPOUTS SHALL DISCHARGE DIRECTLY ON TO ADJACENT PERVIOUS SURFACES OR SPLASH BLOCKS UNLESS OTHERWISE NOTED ON PLANS. SEE ARCHITECTURE PLANS FOR EXACT LOCATION OF THE DOWN SPOUTS.

SANITARY SEWER NOTES

1. ALL SEWER WORK SHALL BE IN CONFORMANCE WITH THE COUNTY ENVIRONMENTAL HEALTH DEPARTMENT STANDARDS.
2. PRIVATE SANITARY SEWER MAIN AND SERVICE LINE 4–INCH THROUGH 8–INCH SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 GREEN SEWER PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034–73 WITH BELL AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS OR 45° ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
3. ALL LATERALS SHALL HAVE A TWO WAY CLEANOUT AT FACE OF BUILDING AND AS SHOWN ON PLANS.
4. IF (E) SEWER LATERAL IS TO BE USED, CONTRACTOR SHALL VIDEO INSPECT, PERFORM PRESSURE TEST ON (E) SEWER LATERAL, AND SHALL PERFORM ANY NEEDED REPAIRS.

WATER SYSTEM NOTES

1. MAINTAIN WATER MAIN LINES 10' AWAY FROM SANITARY SEWER MAIN LINES. LATERALS SHALL BE SEPARATED PER PLAN DIMENSIONS.
2. WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90 DEGREE ANGLE AND WATER LINES SHALL BE MINIMUM OF 12" ABOVE TOP OF SANITARY SEWER LINES.
3. ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE WATER DISTRICT STANDARDS.
4. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER.
5. THRUST RESTRAINTS SHALL BE DESIGNED AND INSTALLED AT ALL TEES, CROSSES, BENDS (HORIZONTAL AND VERTICAL), AT SIZE CHANGES AND AT FIRE HYDRANTS.

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

SANDIS
EAST BAY/SF

CLIENT
SANTA CLARA VALLEY MEDICAL CENTER
CLIENT ADDRESS
751 S BASCOM AVE, SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER

SANTA CLARA VALLEY MEDICAL CENTER
Hospital & Clinics

OSHPD PROJECT NUMBER:

DATE

MICHAEL A. KUYKENDALL
R.C.E. NO. 70870, EXPIRES 6–30–21

KEYPLAN

NOT FOR CONSTRUCTION

△NO	DESCRIPTION	DATE

ISSUANCE HISTORY – THIS SHEET

HGA NO: 4454-002-00

OVERALL UTILITY PLAN

DATE:

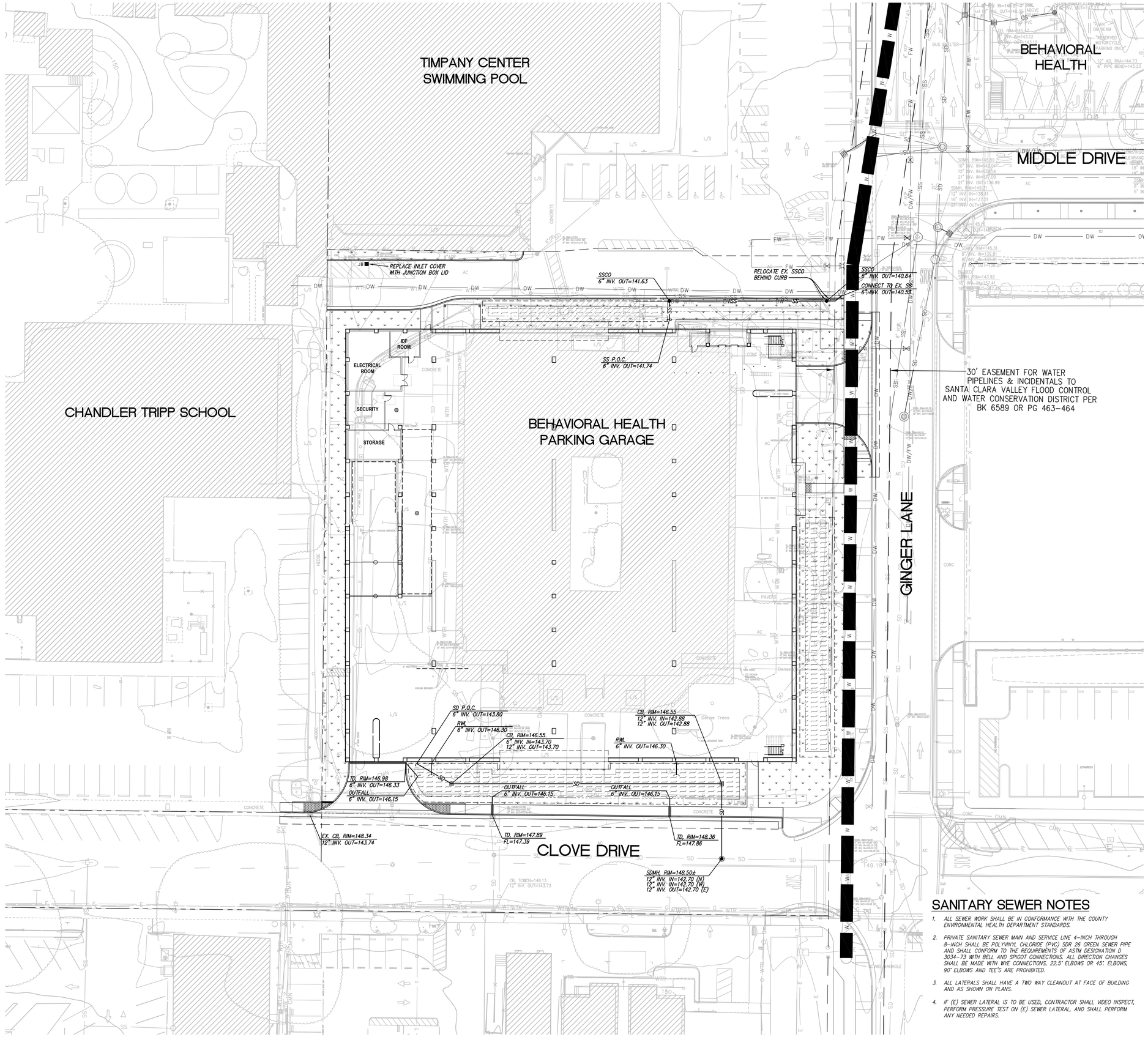
COUNTY PLANNING SUBMITTAL

SITE DEVELOPMENT PACKAGE

C500

COUNTY PLANNING SUBMITTAL

BIM 360://County of Santa Clara-SCVMC Behavioral Health/420-SCVMC_SD-445420000.rvt
7/1/2020 6:50:59 PM
Author
File: X:\P\619076.D\(4) ENGINEERING\(2) PLAN SETS\(3) SHEET SET\ONSITE\C500.dwg Date:Jan 08, 2021 - 3:13pm



SANDIS EAST BAY/SF — SCALE: 1"=20'

LEGEND

PROPERTY LINE

BIO-TREATMENT AREA (1 / C702)

UTILITIES NOTES

1. BASED ON AVAILABLE INFORMATION AND CORRESPONDENCE RECEIVED FROM MEP, THE UTILITIES BEING ROUTED TO THE PROPOSED BEHAVIORAL HEALTH SERVICES CENTER ARE:

- DOMESTIC WATER
- FIREWATER
- STEAM AND CONDENSATE RETURN
- TELECOMMUNICATION
- ELECTRICAL
- CHILLED WATER SUPPLY AND RETURN
- STORM DRAIN
- SANITARY SEWER

COORDINATION ITEMS

1. POINT OF CONNECTIONS TO BE COORDINATED WITH MEP.
2. PROPOSED BUILDING TO REROUTE ALL ROOF DRAINAGE TO AN APPROPRIATE STORMWATER TREATMENT DEVICE. RAINWATER LEADER LOCATIONS AND INVERTS TO BE COORDINATED WITH MEP
3. FIRE SPRINKLER SERVICE POC AND DISCHARGE LINE TO BE COORDINATED WITH MEP
4. NEW BUILDING FDC LOCATION TO BE COORDINATED WITH MEP ARCHITECT AND CITY FIRE MARSHALL
5. EXISTING MAINS LOCATED WITHIN THE FOOTPRINT OF THE BUILDING WILL NEED TO BE RELOCATED AROUND THE NEW BUILDING FOOTPRINT.
6. THE PROPOSED UNDERGROUND TUNNEL CONNECTING TO RSC MAY IMPACT THE EXISTING STORM AND SANITARY LINES LOCATED WITHIN MIDDLE DRIVE. THE EXISTING DRAINAGE LINES MAY NEED TO BE REROUTED AND A LIFT STATION INSTALLED AS A RESULT OF THE NEW TUNNELS CONSTRUCTION.
7. DESIGN TEAM IS EVALUATING TWO OPTIONS.

OPTION 1: THE PROPOSED BUILDING WILL PROVIDE ITS OWN SOURCE OF HEATING AND COOLING. NO CONNECTION IS THEREFORE NEEDED TO THE CAMPUS WIDE EXISTING STEAM, CONDENSATE AND CHILLED WATER SYSTEMS.

OPTION2: THE PROPOSED BUILDING TIES IN TO CAMPUS STEAM AND CONDENSATE AND CHILLED WATER MAIN FOR HEATING AND COOLING OF BUILDING. OPTION 2 IS DEPICTED ON THIS SHEET. MEP TO EVALUATE CAPACITY OF EXISTING SYSTEMS TO SERVE NEW BUILDING

8. THE PROJECT PROPOSES SIX MEDICAL BEDS CLASSIFIED OSHPD 1, REQUIRING EMERGENCY DOMESTIC WATER AND SEWAGE STORAGE. THE PROJECT PROPOSES TO CONNECT TO THE EXISTING EMERGENCY SEWAGE STORAGE TANK LOCATED BELOW PARKING STRUCTURE 3 AND THE CAMPUS' EMERGENCY DOMESTIC WATER SYSTEM. AVAILABLE CAPACITY WITHIN THESE TWO SYSTEMS WILL NEED TO BE CONFIRMED. IF DETERMINED THAT THERE IS NO AVAILABLE CAPACITY BELOW GROUND EMERGENCY STORAGE TANKS WILL NEED TO BE INSTALLED WITHIN THE PROJECT SITE.
9. THE SKYBRIDGE LOCATION STILL NEEDS TO BE CONFIRMED AND FINALIZED WITH THE ARCHITECT. FINAL UTILITY ROUTES TO BE CONFIRMED PER NEW LOCATION. FIRE ACCESS COORDINATION WILL NEED TO BE ADDRESSED AND FURTHER DISCUSSION WITH COUNTY EXISTING UTILITIES IN PROXIMITY OF NEW SKYBRIDGE PIERS WILL NEED TO BE REROUTED AS NECESSARY.

STORM DRAIN NOTES

1. PRIVATE STORM DRAIN LINE 4-INCH THROUGH 12-INCH WITH A MINIMUM OF TWO (2) FEET OF COVER IN NON-TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35 GREEN PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH BELLS AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS, 45° ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
2. PRIVATE STORM DRAIN LINE 6-INCH THROUGH 12-INCH WITH LESS THAN THREE (3) FEET OF COVER IN VEHICULAR TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) C900, RATED FOR 150 PSI CLASS PIPE. PROVIDE AND INSTALL "STORM DRAIN" MARKER TAPE FOR THE ENTIRE LENGTH OF PIPE TRENCH. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, OBTUSE ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
3. ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS.
4. ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
5. FOR GRAVITY FLOW SYSTEMS CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF ANY GRAVITY FLOW SYSTEM.
6. DRAINS SHOWN ON CIVIL PLANS ARE NOT INTENDED TO BE THE FINAL NUMBER AND LOCATION OF ALL DRAINS. PLACEMENT AND NUMBER OF LANDSCAPING DRAINS ARE HIGHLY DEPENDENT ON GROUND COVER TYPE AND PLANT MATERIAL. CONTRACTOR SHALL ADD ADDITIONAL AREA DRAINS AS NEEDED AND AS DIRECTED BY THE LANDSCAPE ARCHITECT.
7. INSTALL SEPARATE SUB-DRAIN SYSTEM BEHIND RETAINING WALLS PER GEOTECHNICAL REPORT AND CONNECT TO STORM DRAIN SYSTEM AS SHOWN ON PLANS.
8. ALL DOWN SPOUTS SHALL DISCHARGE DIRECTLY ON TO ADJACENT PERVIOUS SURFACES OR SPLASH BLOCKS UNLESS OTHERWISE NOTED ON PLANS. SEE ARCHITECTURE PLANS FOR EXACT LOCATION OF THE DOWN SPOUTS.

SANITARY SEWER NOTES

1. ALL SEWER WORK SHALL BE IN CONFORMANCE WITH THE COUNTY ENVIRONMENTAL HEALTH DEPARTMENT STANDARDS.
2. PRIVATE SANITARY SEWER MAIN AND SERVICE LINE 4-INCH THROUGH 8-INCH SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 GREEN SEWER PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH BELL AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS OR 45° ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
3. ALL LATERALS SHALL HAVE A TWO WAY CLEANOUT AT FACE OF BUILDING AND AS SHOWN ON PLANS.
4. IF (E) SEWER LATERAL IS TO BE USED, CONTRACTOR SHALL VIDEO INSPECT, PERFORM PRESSURE TEST ON (E) SEWER LATERAL, AND SHALL PERFORM ANY NEEDED REPAIRS.

WATER SYSTEM NOTES

1. MAINTAIN WATER MAIN LINES 10' AWAY FROM SANITARY SEWER MAIN LINES. LATERALS SHALL BE SEPARATED PER PLAN DIMENSIONS.
2. WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90 DEGREE ANGLE AND WATER LINES SHALL BE MINIMUM OF 12" ABOVE TOP OF SANITARY SEWER LINES.
3. ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE WATER DISTRICT STANDARDS.
4. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER.
5. THRUST RESTRAINTS SHALL BE DESIGNED AND INSTALLED AT ALL TEES, CROSSES, BENDS (HORIZONTAL AND VERTICAL), AT SIZE CHANGES AND AT FIRE HYDRANTS.

HGA
222 Sutter Street, Suite 500
San Francisco, California 94108
Telephone 415.814.6910

SANDIS EAST BAY/SF

CLIENT
SANTA CLARA VALLEY MEDICAL CENTER
CLIENT ADDRESS
751 S BASCOM AVE, SAN JOSE, CALIFORNIA 95128

BEHAVIORAL HEALTH SERVICES CENTER
PARKING STRUCTURE

SANTA CLARA VALLEY MEDICAL CENTER
Hospital & Clinics

OSHPD PROJECT NUMBER:

DATE _____

MICHAEL A. KUYKENDALL
R.C.E. NO. 70870, EXPIRES 6-30-21

KEYPLAN

NOT FOR CONSTRUCTION

NO	DESCRIPTION	DATE

ISSUANCE HISTORY - THIS SHEET

HGA NO: 4454-002-00

UTILITY PLAN

DATE: October 29, 2020

SD PHASE

INCREMENT X

C500

100% SCHEMATIC DESIGN

BIM 360://County of Santa Clara-SCVMC Behavioral Health/A20-SCVMC_SD-445400200.rvt
7/1/2020 5:60:59 PM
Author
File: X:\P\619076.D\(4) ENGINEERING\(2) PLAN SETS\(3) SHEET SET\GARAGE\C500.dwg Date:Dec 04, 2020 - 1:48pm

Santa Clara Valley Medical Center
Behavioral Health Services Center and Parking Structure

Appendix B: Arborist Report and Tree Removal Plans

This page deliberately left blank.

Tree Assessment Form

Behavioral Health Sciences
Santa Clara Valley Medical Center
San Jose CA
August 2020

HORT SCIENCE
BARTLETT CONSULTING
Divisions of The F.A. Bartlett Tree Expert Company

TREE No.	SPECIES	TRUNK DIAMETER (in.)	ORDINANCE SIZE ?	CONDITION 0=dead 1=poor 5=excell.	SUITABILITY for PRESERVATION	COMMENTS
50	Marina madrone	5,5,4	Yes	2	Low	Multiple attachments @ base; crown lifted & topped.
51	Flowering dogwood	1,1,1	No	2	Low	Poor form & structure; ext. twig dieback.
52	Marina madrone	4,4,3,3,2,2	Yes	2	Low	Multiple attachments @ base; poor form; bowed W.; crown lifted; big shrub.
53	Lemon	3	No	3	Low	Narrow form; pruned badly.
54	Coast redwood	30	Yes	3	Low	Typical form; thin canopy.
55	Purpleleaf plum	9	No	3	Low	Typical; multiple attachments @ 3'; rangy form.
56	Purpleleaf plum	8	No	4	Moderate	Typical; codominant trunks @ 4'; nice canopy.
57	Coast redwood	26,26	Yes	4	Moderate	Codominant trunks @ 4'; upright; canopy hangs to ground; canopy thin @ top; dense below; displaced adj. pavement.
58	Chinese pistache	11,9	Yes	3	Low	Codominant trunks @ 1' with included bark; nice canopy.
59	Chinese pistache	20	Yes	2	Low	Poor form & structure; scaffold branch failure.
60	Italian cypress	33	Yes	4	Moderate	Typical; multiple attachments @ 2'; dense narrow crown.
61	Italian cypress	16	Yes	5	High	Typical; dense narrow crown.
62	Holly oak	13	Yes	3	Low	Crown lifted with num. pruning cuts.
63	Camphor	15	Yes	3	Low	Narrow planting strip; ext. pavement displacement; typical form; open rangy form.

Tree Assessment Form

Behavioral Health Sciences
Santa Clara Valley Medical Center
San Jose CA
August 2020

HORT SCIENCE
BARTLETT CONSULTING
Divisions of The F.A. Bartlett Tree Expert Company

TREE No.	SPECIES	TRUNK DIAMETER (in.)	ORDINANCE SIZE ?	CONDITION 0=dead 1=poor 5=excell.	SUITABILITY for PRESERVATION	COMMENTS
64	Camphor	12	Yes	2	Low	Narrow planting strip; large wound @ base where root pruned; thin canopy; rangy form.
65	Camphor	14	Yes	2	Low	Narrow planting strip; large wound @ base where root pruned; thin canopy; rangy form.
66	Camphor	10	No	3	Low	Narrow planting strip; crown lifted with num. pruning cuts.
67	Camphor	16	Yes	2	Low	Narrow planting strip; ext. pavement displacement; 3 scaffolds separated leaving open rangy form; twig dieback.
68	Red oak	18	Yes	2	Low	Just poor; crown reduced likely due to dieback; chlorotic foliage; twig dieback; rangy form.
69	Camphor	19	Yes	3	Low	Leans E.; trunk pushes against sign; large ext. surface roots; tipped back; rangy form.
70	Red oak	6	No	2	Low	**No tag; can't access**; lost central leader; very chlorotic foliage.
71	Callery pear	17	Yes	3	Low	Typical form & structure; multiple attachments @ 7'; crown lifted & reduced.
72	Callery pear	11	No	2	Low	5' planting strip; ext. dead bark on lower trunk; multiple attachments @ 7'.
73	Callery pear	10	No	3	Low	5' planting strip; typical; multiple attachments @ 7'; crown lifted & reduced.
74	Callery pear	11	No	3	Low	5' planting strip; typical; multiple attachments @ 7'; crown lifted & reduced.

Tree Assessment Form

Behavioral Health Sciences
Santa Clara Valley Medical Center
San Jose CA
August 2020

HORT SCIENCE
BARTLETT CONSULTING
Divisions of The F.A. Bartlett Tree Expert Company

TREE No.	SPECIES	TRUNK DIAMETER (in.)	ORDINANCE SIZE ?	CONDITION 0=dead 1=poor 5=excell.	SUITABILITY for PRESERVATION	COMMENTS
75	Callery pear	11	No	3	Low	5' planting strip; typical; multiple attachments @ 7'; crown lifted & reduced.
76	Callery pear	11	No	3	Low	5' planting strip; typical; multiple attachments @ 7'; crown lifted & reduced.
77	Callery pear	14	Yes	3	Low	5' planting strip; typical; multiple attachments @ 8'; crown lifted & reduced.
78	Callery pear	11	No	3	Low	5' planting strip; typical; multiple attachments @ 7'; crown lifted & reduced.
79	London plane	17	Yes	5	High	Good form & structure.
80	London plane	13	Yes	3	Moderate	2' behind sidewalk; crowded; lateral branches sweep upright.
81	London plane	13	Yes	4	Moderate	2' behind sidewalk; good tree.
82	London plane	5	No	2	Low	2' behind sidewalk; 2' long trunk wound near base closed; poor form & structure; no branches, just a stem with sprouts.
83	London plane	10	No	2	Low	**No tag; no access**; 4' behind sidewalk; codominant trunks @ 7'.
84	London plane	13	Yes	3	Moderate	2' behind sidewalk; large surface roots; lateral branches sweep upright.
85	London plane	9	No	3	Moderate	3' behind sidewalk; large wound on lower trunk; crowded; small crown.
86	London plane	8	No	4	Moderate	2' behind sidewalk; crowded.
87	London plane	11	No	3	Moderate	3' behind sidewalk; large surface root; lateral branches sweep upright.

Tree Assessment Form

Behavioral Health Sciences
Santa Clara Valley Medical Center
San Jose CA
August 2020

HORT SCIENCE
BARTLETT CONSULTING
Divisions of The F.A. Bartlett Tree Expert Company

TREE No.	SPECIES	TRUNK DIAMETER (in.)	ORDINANCE SIZE ?	CONDITION 0=dead 1=poor 5=excell.	SUITABILITY for PRESERVATION	COMMENTS
88	London plane	14	Yes	3	Moderate	3' behind sidewalk; large surface root; sidewalk lifted; lateral branches sweep upright.
89	Callery pear	13	Yes	3	Low	Leans W.; typical; multiple attachments @ 7'.
90	London plane	31	Yes	3	Low	Multiple attachments @ 4'; 4 scaffold branches; one-sided to S.; thin canopy.
91	Jap. maple	3	No	3	Low	Small tree; multiple attachments @ 2'; branch failure; twig dieback.
92	W. redbud	3,2,2,1,1,1	No	4	Moderate	Multiple attachments @ base; small shrub.
93	Jap. maple	5	No	4	Moderate	Small tree; multiple attachments @ 6".
94	Jap. maple	5	No	4	Moderate	Small tree; multiple attachments @ 6".

Middle Dr
Turner Dr
Ginger Ln
© 2020 Google
Google Eart

Tree Assessment Plan

Santa Clara Valley
Medical Center
Behavioral Health
Science Sites
San Jose, CA

Prepared for:
RHAA
Mill Valley, CA

N

August 2020

No Scale

Notes:
Base map provided by:
Sandis Civil Engineers
Oakland, CA

Numbered tree locations are approximate.

HORT SCIENCE
BARTLETT CONSULTING
Divisions of the F.A. Bartlett Tree Expert Company

325 Ray Street
Pleasanton, CA 94566
Phone 925.484.0211
Fax 925.484.0596
www.hortscience.com

Santa Clara Valley Medical Center
Behavioral Health Services Center and Parking Structure

Appendix C: Air Quality, Greenhouse Gas, and Health Risk Estimates and Calculations

This page deliberately left blank.

Appendix C.1: CalEEMod Emissions Output Summary: Unmitigated Construction
SCVMC: Behavioral Health Center IS/MND

Behavioral Health Center Construction Emissions: Unmitigated (Tons/YR)

Year	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
2021	0.1	1.6	0.9	0.3	0.0	0.1	0.0	319.4	0.1	0.0	320.7
2022	0.3	2.2	2.5	0.2	0.1	0.1	0.1	552.3	0.1	0.0	554.0
2023	1.4	0.6	0.8	0.1	0.0	0.3	0.0	191.7	0.0	0.0	192.3

Tunnel Construction Emissions: Unmitigated (Tons/YR)

Year	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
2021											
2022	0.0	0.2	0.1	0.6	0.0	0.0	0.0	34.4	0.0	0.0	34.6
2023	0.0	0.0	0.1	0.0	0.0	0.0	0.0	8.6	0.0	0.0	8.6

Proposed Parking Garage Construction Emissions: Unmitigated (Tons/YR)

Year	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
2021	0.1	1.4	0.9	0.0	0.1	0.1	0.1	244.9	0.0	0.0	246.0
2022	0.3	2.1	1.6	0.1	0.1	0.0	0.1	492.5	0.0	0.0	493.8
2023											

Proposed Don Lowe Demolition Emissions: Unmitigated (Tons/YR)

Year	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
2021											
2022											
2023	0.0	0.1	0.1	0.0	0.0	0.0	0.0	16.7	0.0	0.0	16.8

Cumulative Unmitigated Emissions (Tons/YR)

Year	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
2021	0.2	3.0	1.8	0.3	0.1	0.2	0.1	564.3	0.1	0.0	566.7
2022	0.6	4.6	4.3	0.9	0.2	0.1	0.2	1079.2	0.1	0.0	1082.3
2023	1.5	0.7	1.0	0.1	0.0	0.3	0.0	217.0	0.0	0.0	217.7
							GHG Total	1860.5	0.2	0.0	1866.7
							Amortized	62.0	0.0	0.0	62.2

Days Per Year	
2021	154
2022	264
2023	242

Lbs/Ton
2000

Behavioral Health Center Construction Emissions: Unmitigated (lbs/day)

Year	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
2021	1.6	20.8	11.9	3.6	0.6	1.4	0.6
2022	2.4	17.0	19.0	1.7	0.7	0.5	0.7
2023	11.9	4.6	6.9	1.0	0.2	2.7	0.2

Tunnel Construction Emissions: Unmitigated (lbs/day)

Year	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.1	1.6	1.0	4.6	0.1	0.2	0.1
2023	0.0	0.3	0.5	0.1	0.0	0.0	0.0

Proposed Parking Garage Construction Emissions: Unmitigated (lbs/day)

Year	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
2021	1.6	18.8	12.1	0.3	0.7	1.6	0.6
2022	2.0	16.2	12.5	0.7	0.5	0.2	0.5
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Proposed Don Lowe Demolition Emissions: Unmitigated (lbs/day)

Year	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.1	0.6	0.7	0.2	0.0	0.0	0.0

Cumulative Unmitigated Emissions (lbs/day)

Year	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
2021	3.2	39.6	24.0	3.9	1.3	3.0	1.2
2022	4.5	34.7	32.5	7.1	1.3	0.9	1.2
2023	11.9	4.9	7.4	1.0	0.2	2.7	0.2

Appendix C.1: CalEEMod Emissions Output Summary: Mitigated Construction
SCVMC: Behavioral Health Center IS/MND

Behavioral Health Center Construction Emissions: Mitigated (Tons/YR)

Year	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
2021	0.1	1.6	0.9	0.2	0.0	0.1	0.0	319.4	0.1	0.0	320.7
2022	0.3	2.2	2.5	0.2	0.1	0.1	0.1	552.3	0.1	0.0	554.0
2023	1.4	0.6	0.8	0.1	0.0	0.0	0.0	191.7	0.0	0.0	192.3

Tunnel Construction Emissions: Mitigated (Tons/YR)

Year	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
2021											
2022	0.0	0.2	0.1	0.0	0.0	0.0	0.0	34.4	0.0	0.0	34.6
2023	0.0	0.0	0.1	0.0	0.0	0.0	0.0	8.6	0.0	0.0	8.6

Proposed Parking Garage Construction Emissions: Mitigated (Tons/YR)

Year	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
2021	0.1	1.4	0.9	0.1	0.1	0.1	0.1	244.9	0.0	0.0	246.0
2022	0.3	2.1	1.6	0.1	0.1	0.0	0.1	492.5	0.0	0.0	493.8
2023											

Proposed Don Lowe Demolition Emissions: Mitigated (Tons/YR)

Year	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
2021											
2022											
2023	0.0	0.1	0.1	0.0	0.0	0.0	0.0	16.7	0.0	0.0	16.8

Cumulative Mitigated Emissions (Tons/YR)

Year	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
2021	0.2	3.0	1.8	0.3	0.1	0.1	0.1	564.3	0.1	0.0	566.7
2022	0.6	4.6	4.3	0.4	0.2	0.1	0.2	1079.2	0.1	0.0	1082.3
2023	1.5	0.7	1.0	0.1	0.0	0.1	0.0	217.0	0.0	0.0	217.7
							GHG Total	1860.5	0.2	0.0	1866.7
							Amortized	62.0	0.0	0.0	62.2

Days Per Year	
2021	154
2022	264
2023	242

Lbs/Ton
2000

Behavioral Health Center Construction Emissions: Mitigated (lbs/day)

Year	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
2021	1.6	20.8	11.9	2.0	0.6	0.7	0.6
2022	2.4	17.0	19.0	1.7	0.7	0.5	0.7
2023	11.9	4.6	6.9	1.0	0.2	0.3	0.2

Tunnel Construction Emissions: Mitigated (lbs/day)

Year	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.1	1.6	1.0	0.2	0.1	0.1	0.1
2023	0.0	0.3	0.5	0.0	0.0	0.1	0.0

Proposed Parking Garage Construction Emissions: Mitigated (lbs/day)

Year	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
2021	1.6	18.8	12.1	1.8	0.7	0.8	0.6
2022	2.0	16.2	12.5	0.7	0.5	0.2	0.5
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Proposed Don Lowe Demolition Emissions: Mitigated (lbs/day)

Year	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
2021	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	0.1	0.6	0.7	0.2	0.0	0.2	0.0

Cumulative Mitigated Emissions (lbs/day)

Year	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
2021	3.2	39.6	24.0	3.7	1.3	1.5	1.2
2022	4.5	34.7	32.5	2.7	1.3	0.8	1.2
2023	12.1	5.5	8.1	1.2	0.2	0.5	0.2

Appendix C.1: CalEEMod Emissions Output Summary: Unmitigated Operational
SCVMC: Behavioral Health Center IS/MND

Behavioral Health Center Operational Emissions: Unmitigated (Tons/YR)

Source	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
Area	1.1	0.0	0.8		0.0		0.0	5.9	0.0	0.0	6.1
Energy	0.0	0.0	0.0		0.0		0.0	65.2	0.0	0.0	65.7
Mobile											
Waste								14.3	0.8	0.0	35.3
Water								1.2	0.0	0.0	2.6

Tunnel Operational Emissions: Unmitigated (Tons/YR)

Source	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
Area	0.0		0.0					0.0			0.0
Energy											
Mobile											
Waste											
Water											

Proposed Parking Garage Operational Emissions: Unmitigated (Tons/YR)

Source	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
Area	0.0	0.0	0.0		0.0		0.0	0.0	0.0		0.0
Energy								45.0	0.0	0.0	45.3
Mobile											
Waste											
Water											

Cumulative Unmitigated Emissions (Tons/YR)

Source	ROG	NOX	CO	PM10		PM2.5		MT			
				Dust	Exhaust	Dust	Exhaust	CO2	CH4	N2O	CO2e
Area	1.1	0.0	0.8	0.0	0.0	0.0	0.0	5.9	0.0	0.0	6.1
Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.2	0.0	0.0	111.0
Mobile	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.8	0.0	35.3
Water	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	2.6
Total	1.1	0.0	0.8	0.0	0.0	0.0	0.0	131.5	0.9	0.0	155.1
							Amortized Construction	62.0	0.0	0.0	62.2
							Overall Total	193.5	0.9	0.0	217.3

Days Per Year	
2021	365
2022	365
2023	365

Lbs/Ton
2000

Behavioral Health Center Operational Emissions: Unmitigated (lbs/day)

Source	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
Area	5.9	0.1	4.5	0.0	0.2	0.0	0.2
Energy	0.0	0.2	0.1	0.0	0.0	0.0	0.0
Mobile	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tunnel Operational Emissions: Unmitigated (lbs/day)

Source	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
Area	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mobile	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Proposed Parking Garage Operational Emissions: Unmitigated (lbs/day)

Source	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
Area	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mobile	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cumulative Unmitigated Emissions (lbs/day)

Source	ROG	NOX	CO	PM10		PM2.5	
				Dust	Exhaust	Dust	Exhaust
Area	6.0	0.1	4.5	0.0	0.2	0.0	0.2
Energy	0.0	0.2	0.1	0.0	0.0	0.0	0.0
Mobile	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	6.0	0.2	4.6	0.0	0.2	0.0	0.2

SCVMC: Behavioral Health Center

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	31.58	1000sqft	0.72	31,581.00	0
Other Non-Asphalt Surfaces	14.19	1000sqft	0.33	14,186.00	0
Congregate Care (Assisted Living)	77.00	Dwelling Unit	13.40	189,772.00	77

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	206	**CH4 Intensity (lb/MWhr)**	0.027	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

SCVMC: Behavioral Health Center - Santa Clara County, Annual

Project Characteristics - MIG Modeler: Phil Gleason; CO2 intensity factor updated for historical PG&E intensity in 2018; CH4 and N2O based on U.S. EGRID data from 2018.

Land Use - Model update to reflect the BHC would be 5-stories, with an approximately 58,341 square foot footprint.

Construction Phase - Phase names and durations updated to reflect phasing as provided by HGA / AL Construction.

Off-road Equipment - Architectural Coating Phase - Updated based on equipment list provided / reviewed by XL Construction.

Off-road Equipment - Demo Phase - Updated based on equipment list provided / reviewed by XL Construction.

Off-road Equipment - Exterior Wall / Interior Improvements Phase - Updated based on equipment list provided / reviewed by XL Construction.

Off-road Equipment - Foundation Construction Phase - Updated based on equipment list provided / reviewed by XL Construction. OCE is concrete pump.

Off-road Equipment - Excavation / Grading Phase - Updated based on equipment list provided / reviewed by XL Construction.

Off-road Equipment - Paving Phase - Updated based on equipment list provided / reviewed by XL Construction.

Off-road Equipment - Site Prep Phase - No site prep phase.

Off-road Equipment - Vert Structure Development Phase - Updated based on equipment list provided / reviewed by XL Construction. 275hp gen set is a stud generator w/ load factor of a welder.

Trips and VMT - Construction Trips and VMT - Updated based on equipment list provided / reviewed by XL Construction. Excavation hauling updated to relfect use of 16 CY trucks, consistent with CalEEMod assumptions.

Demolition - Demo of PS3, which is approximately 134,348 square feet.

Grading - Per information from Sandis - BHC: 24,000 CY cut, 3,200 CY fill ; Exterior Flatwork: 1,200 CY fill. Assumes site is graded approximately four (4) times.

Vehicle Trips - TIA states project would result in net negative VMT. AQ/GHG analysis conservatively assumes no net change in mobile source emissions.

Water And Wastewater - Project is estimate to consume approximately 3,850 gallons of water per day. Conservatively assumes all water consumption would be indoors, thereby requiring treatment at a WWTP.

Construction Off-road Equipment Mitigation - Assumes wating 2x per day to comply with BAAQMD fugitive dust BMPs.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	24.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	30.00	82.00
tblConstructionPhase	NumDays	300.00	131.00
tblConstructionPhase	NumDays	300.00	105.00
tblConstructionPhase	NumDays	300.00	210.00
tblConstructionPhase	NumDays	20.00	79.00

SCVMC: Behavioral Health Center - Santa Clara County, Annual

tblConstructionPhase	NumDays	20.00	38.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	170.00	9.60
tblGrading	MaterialExported	0.00	24,000.00
tblGrading	MaterialImported	0.00	4,400.00
tblLandUse	LandUseSquareFeet	31,580.00	31,581.00
tblLandUse	LandUseSquareFeet	14,190.00	14,186.00
tblLandUse	LandUseSquareFeet	77,000.00	189,772.00
tblLandUse	LotAcreage	4.81	13.40
tblLandUse	Population	220.00	77.00
tblOffRoadEquipment	HorsePower	84.00	275.00
tblOffRoadEquipment	LoadFactor	0.74	0.45
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Grading / Excavation
tblOffRoadEquipment	PhaseName		Grading / Excavation
tblOffRoadEquipment	PhaseName		Foundation Construction
tblOffRoadEquipment	PhaseName		Foundation Construction
tblOffRoadEquipment	PhaseName		Vertical Structure Development
tblOffRoadEquipment	PhaseName		Exterior Wall / Interior Improvements
tblOffRoadEquipment	PhaseName		Exterior Wall / Interior Improvements
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	4.00

tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	3.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.027
tblProjectCharacteristics	CO2IntensityFactor	641.35	206
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	2,808.00	3,550.00
tblTripsAndVMT	WorkerTripNumber	8.00	15.00
tblTripsAndVMT	WorkerTripNumber	25.00	15.00
tblTripsAndVMT	WorkerTripNumber	75.00	30.00
tblTripsAndVMT	WorkerTripNumber	75.00	50.00
tblTripsAndVMT	WorkerTripNumber	75.00	350.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	12.00
tblVehicleTrips	ST_TR	2.20	0.00

tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblWater	IndoorWaterUseRate	5,016,859.97	1,405,250.00
tblWater	OutdoorWaterUseRate	3,162,803.03	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1210	1.6001	0.9157	3.4600e-003	0.2755	0.0481	0.3235	0.1088	0.0446	0.1534	0.0000	319.4101	319.4101	0.0508	0.0000	320.6803
2022	0.3102	2.2387	2.5088	6.1800e-003	0.2299	0.0951	0.3250	0.0615	0.0913	0.1528	0.0000	552.2732	552.2732	0.0639	0.0000	553.8703
2023	1.4392	0.5520	0.8399	2.1500e-003	0.1204	0.0216	0.1421	0.0321	0.0205	0.0527	0.0000	191.7265	191.7265	0.0231	0.0000	192.3048
Maximum	**1.4392**	**2.2387**	**2.5088**	**6.1800e-003**	**0.2755**	**0.0951**	**0.3250**	**0.1088**	**0.0913**	**0.1534**	**0.0000**	**552.2732**	**552.2732**	**0.0639**	**0.0000**	**553.8703**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1210	1.6001	0.9157	3.4600e-003	0.1518	0.0481	0.1999	0.0566	0.0446	0.1012	0.0000	319.4100	319.4100	0.0508	0.0000	320.6801
2022	0.3102	2.2387	2.5088	6.1800e-003	0.2299	0.0951	0.3250	0.0615	0.0913	0.1528	0.0000	552.2728	552.2728	0.0639	0.0000	553.8699
2023	1.4392	0.5520	0.8399	2.1500e-003	0.1204	0.0216	0.1421	0.0321	0.0205	0.0527	0.0000	191.7264	191.7264	0.0231	0.0000	192.3047
Maximum	**1.4392**	**2.2387**	**2.5088**	**6.1800e-003**	**0.2299**	**0.0951**	**0.3250**	**0.0615**	**0.0913**	**0.1528**	**0.0000**	**552.2728**	**552.2728**	**0.0639**	**0.0000**	**553.8699**

SCVMC: Behavioral Health Center - Santa Clara County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**19.76**	**0.00**	**15.64**	**25.80**	**0.00**	**14.55**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**7-1-2021**	**9-30-2021**	1.0493	1.0493
2	**10-1-2021**	**12-31-2021**	0.6660	0.6660
3	**1-1-2022**	**3-31-2022**	0.3281	0.3281
4	**4-1-2022**	**6-30-2022**	0.9957	0.9957
5	**7-1-2022**	**9-30-2022**	0.6968	0.6968
6	**10-1-2022**	**12-31-2022**	0.5333	0.5333
7	**1-1-2023**	**3-31-2023**	0.4724	0.4724
8	**4-1-2023**	**6-30-2023**	0.0052	0.0052
9	**7-1-2023**	**9-30-2023**	1.0599	1.0599
		Highest	1.0599	1.0599

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0736	0.0107	0.8169	5.2000e-004		0.0381	0.0381		0.0381	0.0381	3.5104	2.3766	5.8870	6.5400e-003	2.3000e-004	6.1192
Energy	3.5900e-003	0.0307	0.0130	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	65.2026	65.2026	4.5700e-003	1.2300e-003	65.6828
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	14.2622	0.0000	14.2622	0.8429	0.0000	35.3339
Water						0.0000	0.0000		0.0000	0.0000	0.4458	0.7105	1.1563	0.0459	1.0900e-003	2.6297
Total	**1.0772**	**0.0413**	**0.8300**	**7.2000e-004**	**0.0000**	**0.0406**	**0.0406**	**0.0000**	**0.0406**	**0.0406**	**18.2184**	**68.2897**	**86.5081**	**0.8999**	**2.5500e-003**	**109.7655**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0736	0.0107	0.8169	5.2000e-004		0.0381	0.0381		0.0381	0.0381	3.5104	2.3766	5.8870	6.5400e-003	2.3000e-004	6.1192
Energy	3.5900e-003	0.0307	0.0130	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	65.2026	65.2026	4.5700e-003	1.2300e-003	65.6828
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	14.2622	0.0000	14.2622	0.8429	0.0000	35.3339
Water						0.0000	0.0000		0.0000	0.0000	0.4458	0.7105	1.1563	0.0459	1.0900e-003	2.6297
Total	**1.0772**	**0.0413**	**0.8300**	**7.2000e-004**	**0.0000**	**0.0406**	**0.0406**	**0.0000**	**0.0406**	**0.0406**	**18.2184**	**68.2897**	**86.5081**	**0.8999**	**2.5500e-003**	**109.7655**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition of PS3	Demolition	7/1/2021	7/28/2021	6	24	
2	Site Preparation	Site Preparation	7/29/2021	7/28/2021	5	0	
3	Grading / Excavation	Grading	7/29/2021	11/1/2021	6	82	
4	Foundation Construction	Building Construction	11/1/2021	4/1/2022	6	131	
5	Vertical Structure Development	Building Construction	4/1/2022	8/1/2022	6	105	
6	Exterior Wall / Interior Improvements	Building Construction	8/1/2022	4/1/2023	6	210	
7	Paving	Paving	7/1/2023	10/1/2023	6	79	
8	Architectural Coating	Architectural Coating	9/1/2023	10/15/2023	6	38	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.05

Residential Indoor: 384,288; Residential Outdoor: 128,096; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 2,746 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of PS3	Concrete/Industrial Saws	0	0.00	81	0.73
Demolition of PS3	Excavators	2	4.00	158	0.38
Demolition of PS3	Rubber Tired Dozers	1	6.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading / Excavation	Air Compressors	1	2.00	78	0.48
Grading / Excavation	Bore/Drill Rigs	1	10.00	221	0.50
Grading / Excavation	Excavators	2	8.00	158	0.38

Grading / Excavation	Graders	0	8.00	187	0.41
Grading / Excavation	Rubber Tired Dozers	1	6.00	247	0.40
Grading / Excavation	Scrapers	0	8.00	367	0.48
Grading / Excavation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Foundation Construction	Air Compressors	1	2.00	78	0.48
Foundation Construction	Cranes	1	4.00	231	0.29
Foundation Construction	Forklifts	1	4.00	89	0.20
Foundation Construction	Generator Sets	1	2.00	84	0.74
Foundation Construction	Other Construction Equipment	1	4.00	172	0.42
Foundation Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Foundation Construction	Welders	1	2.00	46	0.45
Vertical Structure Development	Air Compressors	4	10.00	78	0.48
Vertical Structure Development	Cranes	1	10.00	231	0.29
Vertical Structure Development	Forklifts	2	10.00	89	0.20
Vertical Structure Development	Generator Sets	1	2.00	84	0.74
Vertical Structure Development	Generator Sets	1	4.00	275	0.45
Vertical Structure Development	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Vertical Structure Development	Welders	1	8.00	46	0.45
Exterior Wall / Interior Improvements	Aerial Lifts	2	12.00	63	0.31
Exterior Wall / Interior Improvements	Air Compressors	4	2.00	78	0.48
Exterior Wall / Interior Improvements	Cranes	1	10.00	231	0.29
Exterior Wall / Interior Improvements	Forklifts	0	8.00	89	0.20
Exterior Wall / Interior Improvements	Generator Sets	0	8.00	84	0.74
Exterior Wall / Interior Improvements	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Exterior Wall / Interior Improvements	Welders	1	2.00	46	0.45
Paving	Pavers	1	4.00	130	0.42
Paving	Paving Equipment	1	3.00	132	0.36

Paving	Rollers	1	3.00	80	0.38
Architectural Coating	Air Compressors	2	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition of PS3	3	15.00	0.00	611.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading / Excavation	10	15.00	0.00	3,550.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Construction	10	30.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Vertical Structure Development	13	50.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Exterior Wall / Interior Improvements	12	350.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition of PS3 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0661	0.0000	0.0661	0.0100	0.0000	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0122	0.1246	0.0756	1.4000e-004		6.0500e-003	6.0500e-003		5.5600e-003	5.5600e-003	0.0000	12.2003	12.2003	3.9500e-003	0.0000	12.2989
Total	**0.0122**	**0.1246**	**0.0756**	**1.4000e-004**	**0.0661**	**6.0500e-003**	**0.0722**	**0.0100**	**5.5600e-003**	**0.0156**	**0.0000**	**12.2003**	**12.2003**	**3.9500e-003**	**0.0000**	**12.2989**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.4000e-003	0.0817	0.0178	2.4000e-004	5.1800e-003	2.6000e-004	5.4300e-003	1.4200e-003	2.4000e-004	1.6700e-003	0.0000	23.0052	23.0052	1.0400e-003	0.0000	23.0313
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.8000e-004	4.1200e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1818	1.1818	3.0000e-005	0.0000	1.1825
Total	**2.9500e-003**	**0.0821**	**0.0219**	**2.5000e-004**	**6.6100e-003**	**2.7000e-004**	**6.8700e-003**	**1.8000e-003**	**2.5000e-004**	**2.0600e-003**	**0.0000**	**24.1869**	**24.1869**	**1.0700e-003**	**0.0000**	**24.2137**

3.2 Demolition of PS3 - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0298	0.0000	0.0298	4.5100e-003	0.0000	4.5100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0122	0.1246	0.0756	1.4000e-004		6.0500e-003	6.0500e-003		5.5600e-003	5.5600e-003	0.0000	12.2002	12.2002	3.9500e-003	0.0000	12.2989
Total	**0.0122**	**0.1246**	**0.0756**	**1.4000e-004**	**0.0298**	**6.0500e-003**	**0.0358**	**4.5100e-003**	**5.5600e-003**	**0.0101**	**0.0000**	**12.2002**	**12.2002**	**3.9500e-003**	**0.0000**	**12.2989**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.4000e-003	0.0817	0.0178	2.4000e-004	5.1800e-003	2.6000e-004	5.4300e-003	1.4200e-003	2.4000e-004	1.6700e-003	0.0000	23.0052	23.0052	1.0400e-003	0.0000	23.0313
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	3.8000e-004	4.1200e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1818	1.1818	3.0000e-005	0.0000	1.1825
Total	**2.9500e-003**	**0.0821**	**0.0219**	**2.5000e-004**	**6.6100e-003**	**2.7000e-004**	**6.8700e-003**	**1.8000e-003**	**2.5000e-004**	**2.0600e-003**	**0.0000**	**24.1869**	**24.1869**	**1.0700e-003**	**0.0000**	**24.2137**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading / Excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1587	0.0000	0.1587	0.0850	0.0000	0.0850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0672	0.6897	0.5236	1.2100e-003		0.0309	0.0309		0.0286	0.0286	0.0000	106.1828	106.1828	0.0335	0.0000	107.0191
Total	**0.0672**	**0.6897**	**0.5236**	**1.2100e-003**	**0.1587**	**0.0309**	**0.1896**	**0.0850**	**0.0286**	**0.1135**	**0.0000**	**106.1828**	**106.1828**	**0.0335**	**0.0000**	**107.0191**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0139	0.4747	0.1034	1.3800e-003	0.0301	1.4800e-003	0.0316	8.2700e-003	1.4200e-003	9.6900e-003	0.0000	133.6634	133.6634	6.0700e-003	0.0000	133.8150
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8900e-003	1.3100e-003	0.0141	4.0000e-005	4.8800e-003	3.0000e-005	4.9100e-003	1.3000e-003	3.0000e-005	1.3300e-003	0.0000	4.0377	4.0377	9.0000e-005	0.0000	4.0400
Total	**0.0158**	**0.4760**	**0.1175**	**1.4200e-003**	**0.0350**	**1.5100e-003**	**0.0365**	**9.5700e-003**	**1.4500e-003**	**0.0110**	**0.0000**	**137.7011**	**137.7011**	**6.1600e-003**	**0.0000**	**137.8550**

3.4 Grading / Excavation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0714	0.0000	0.0714	0.0382	0.0000	0.0382	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0672	0.6897	0.5236	1.2100e-003		0.0309	0.0309		0.0286	0.0286	0.0000	106.1827	106.1827	0.0335	0.0000	107.0190
Total	**0.0672**	**0.6897**	**0.5236**	**1.2100e-003**	**0.0714**	**0.0309**	**0.1023**	**0.0382**	**0.0286**	**0.0668**	**0.0000**	**106.1827**	**106.1827**	**0.0335**	**0.0000**	**107.0190**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0139	0.4747	0.1034	1.3800e-003	0.0301	1.4800e-003	0.0316	8.2700e-003	1.4200e-003	9.6900e-003	0.0000	133.6634	133.6634	6.0700e-003	0.0000	133.8150
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8900e-003	1.3100e-003	0.0141	4.0000e-005	4.8800e-003	3.0000e-005	4.9100e-003	1.3000e-003	3.0000e-005	1.3300e-003	0.0000	4.0377	4.0377	9.0000e-005	0.0000	4.0400
Total	**0.0158**	**0.4760**	**0.1175**	**1.4200e-003**	**0.0350**	**1.5100e-003**	**0.0365**	**9.5700e-003**	**1.4500e-003**	**0.0110**	**0.0000**	**137.7011**	**137.7011**	**6.1600e-003**	**0.0000**	**137.8550**

3.5 Foundation Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0191	0.1824	0.1473	2.7000e-004		9.1900e-003	9.1900e-003		8.6500e-003	8.6500e-003	0.0000	22.9367	22.9367	5.5800e-003	0.0000	23.0763
Total	**0.0191**	**0.1824**	**0.1473**	**2.7000e-004**		**9.1900e-003**	**9.1900e-003**		**8.6500e-003**	**8.6500e-003**	**0.0000**	**22.9367**	**22.9367**	**5.5800e-003**	**0.0000**	**23.0763**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3800e-003	0.0436	0.0116	1.1000e-004	2.7900e-003	1.0000e-004	2.8900e-003	8.1000e-004	9.0000e-005	9.0000e-004	0.0000	10.9829	10.9829	4.8000e-004	0.0000	10.9948
Worker	2.4500e-003	1.7000e-003	0.0182	6.0000e-005	6.3100e-003	4.0000e-005	6.3400e-003	1.6800e-003	4.0000e-005	1.7100e-003	0.0000	5.2195	5.2195	1.2000e-004	0.0000	5.2225
Total	**3.8300e-003**	**0.0453**	**0.0298**	**1.7000e-004**	**9.1000e-003**	**1.4000e-004**	**9.2300e-003**	**2.4900e-003**	**1.3000e-004**	**2.6100e-003**	**0.0000**	**16.2024**	**16.2024**	**6.0000e-004**	**0.0000**	**16.2173**

3.5 Foundation Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0191	0.1824	0.1473	2.7000e-004		9.1900e-003	9.1900e-003		8.6500e-003	8.6500e-003	0.0000	22.9367	22.9367	5.5800e-003	0.0000	23.0763
Total	**0.0191**	**0.1824**	**0.1473**	**2.7000e-004**		**9.1900e-003**	**9.1900e-003**		**8.6500e-003**	**8.6500e-003**	**0.0000**	**22.9367**	**22.9367**	**5.5800e-003**	**0.0000**	**23.0763**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3800e-003	0.0436	0.0116	1.1000e-004	2.7900e-003	1.0000e-004	2.8900e-003	8.1000e-004	9.0000e-005	9.0000e-004	0.0000	10.9829	10.9829	4.8000e-004	0.0000	10.9948
Worker	2.4500e-003	1.7000e-003	0.0182	6.0000e-005	6.3100e-003	4.0000e-005	6.3400e-003	1.6800e-003	4.0000e-005	1.7100e-003	0.0000	5.2195	5.2195	1.2000e-004	0.0000	5.2225
Total	**3.8300e-003**	**0.0453**	**0.0298**	**1.7000e-004**	**9.1000e-003**	**1.4000e-004**	**9.2300e-003**	**2.4900e-003**	**1.3000e-004**	**2.6100e-003**	**0.0000**	**16.2024**	**16.2024**	**6.0000e-004**	**0.0000**	**16.2173**

3.5 Foundation Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0254	0.2377	0.2138	3.9000e-004		0.0118	0.0118		0.0111	0.0111	0.0000	33.7541	33.7541	8.1600e-003	0.0000	33.9583
Total	**0.0254**	**0.2377**	**0.2138**	**3.9000e-004**		**0.0118**	**0.0118**		**0.0111**	**0.0111**	**0.0000**	**33.7541**	**33.7541**	**8.1600e-003**	**0.0000**	**33.9583**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-003	0.0606	0.0161	1.7000e-004	4.1100e-003	1.2000e-004	4.2300e-003	1.1900e-003	1.2000e-004	1.3100e-003	0.0000	16.0088	16.0088	6.7000e-004	0.0000	16.0256
Worker	3.3600e-003	2.2400e-003	0.0246	8.0000e-005	9.2800e-003	6.0000e-005	9.3400e-003	2.4700e-003	5.0000e-005	2.5200e-003	0.0000	7.4025	7.4025	1.6000e-004	0.0000	7.4064
Total	**5.2600e-003**	**0.0629**	**0.0407**	**2.5000e-004**	**0.0134**	**1.8000e-004**	**0.0136**	**3.6600e-003**	**1.7000e-004**	**3.8300e-003**	**0.0000**	**23.4113**	**23.4113**	**8.3000e-004**	**0.0000**	**23.4320**

3.5 Foundation Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0254	0.2377	0.2138	3.9000e-004		0.0118	0.0118		0.0111	0.0111	0.0000	33.7541	33.7541	8.1600e-003	0.0000	33.9582
Total	**0.0254**	**0.2377**	**0.2138**	**3.9000e-004**		**0.0118**	**0.0118**		**0.0111**	**0.0111**	**0.0000**	**33.7541**	**33.7541**	**8.1600e-003**	**0.0000**	**33.9582**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-003	0.0606	0.0161	1.7000e-004	4.1100e-003	1.2000e-004	4.2300e-003	1.1900e-003	1.2000e-004	1.3100e-003	0.0000	16.0088	16.0088	6.7000e-004	0.0000	16.0256
Worker	3.3600e-003	2.2400e-003	0.0246	8.0000e-005	9.2800e-003	6.0000e-005	9.3400e-003	2.4700e-003	5.0000e-005	2.5200e-003	0.0000	7.4025	7.4025	1.6000e-004	0.0000	7.4064
Total	**5.2600e-003**	**0.0629**	**0.0407**	**2.5000e-004**	**0.0134**	**1.8000e-004**	**0.0136**	**3.6600e-003**	**1.7000e-004**	**3.8300e-003**	**0.0000**	**23.4113**	**23.4113**	**8.3000e-004**	**0.0000**	**23.4320**

3.6 Vertical Structure Development - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1393	1.1006	1.1044	2.1300e-003		0.0569	0.0569		0.0552	0.0552	0.0000	187.0963	187.0963	0.0246	0.0000	187.7111
Total	**0.1393**	**1.1006**	**1.1044**	**2.1300e-003**		**0.0569**	**0.0569**		**0.0552**	**0.0552**	**0.0000**	**187.0963**	**187.0963**	**0.0246**	**0.0000**	**187.7111**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5600e-003	0.0816	0.0216	2.2000e-004	5.5300e-003	1.7000e-004	5.6900e-003	1.6000e-003	1.6000e-004	1.7600e-003	0.0000	21.5503	21.5503	9.1000e-004	0.0000	21.5729
Worker	7.5500e-003	5.0200e-003	0.0552	1.8000e-004	0.0208	1.3000e-004	0.0210	5.5400e-003	1.2000e-004	5.6500e-003	0.0000	16.6082	16.6082	3.5000e-004	0.0000	16.6170
Total	**0.0101**	**0.0866**	**0.0768**	**4.0000e-004**	**0.0264**	**3.0000e-004**	**0.0266**	**7.1400e-003**	**2.8000e-004**	**7.4100e-003**	**0.0000**	**38.1585**	**38.1585**	**1.2600e-003**	**0.0000**	**38.1899**

3.6 Vertical Structure Development - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1393	1.1005	1.1044	2.1300e-003		0.0569	0.0569		0.0552	0.0552	0.0000	187.0961	187.0961	0.0246	0.0000	187.7109
Total	**0.1393**	**1.1005**	**1.1044**	**2.1300e-003**		**0.0569**	**0.0569**		**0.0552**	**0.0552**	**0.0000**	**187.0961**	**187.0961**	**0.0246**	**0.0000**	**187.7109**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5600e-003	0.0816	0.0216	2.2000e-004	5.5300e-003	1.7000e-004	5.6900e-003	1.6000e-003	1.6000e-004	1.7600e-003	0.0000	21.5503	21.5503	9.1000e-004	0.0000	21.5729
Worker	7.5500e-003	5.0200e-003	0.0552	1.8000e-004	0.0208	1.3000e-004	0.0210	5.5400e-003	1.2000e-004	5.6500e-003	0.0000	16.6082	16.6082	3.5000e-004	0.0000	16.6170
Total	**0.0101**	**0.0866**	**0.0768**	**4.0000e-004**	**0.0264**	**3.0000e-004**	**0.0266**	**7.1400e-003**	**2.8000e-004**	**7.4100e-003**	**0.0000**	**38.1585**	**38.1585**	**1.2600e-003**	**0.0000**	**38.1899**

3.7 Exterior Wall / Interior Improvements - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0605	0.6042	0.5603	1.1100e-003		0.0246	0.0246		0.0233	0.0233	0.0000	96.6089	96.6089	0.0248	0.0000	97.2291
Total	**0.0605**	**0.6042**	**0.5603**	**1.1100e-003**		**0.0246**	**0.0246**		**0.0233**	**0.0233**	**0.0000**	**96.6089**	**96.6089**	**0.0248**	**0.0000**	**97.2291**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2100e-003	0.1026	0.0272	2.8000e-004	6.9500e-003	2.1000e-004	7.1600e-003	2.0100e-003	2.0000e-004	2.2100e-003	0.0000	27.0918	27.0918	1.1400e-003	0.0000	27.1203
Worker	0.0664	0.0442	0.4857	1.6200e-003	0.1832	1.1300e-003	0.1843	0.0487	1.0400e-003	0.0498	0.0000	146.1523	146.1523	3.0900e-003	0.0000	146.2296
Total	**0.0696**	**0.1468**	**0.5129**	**1.9000e-003**	**0.1902**	**1.3400e-003**	**0.1915**	**0.0507**	**1.2400e-003**	**0.0520**	**0.0000**	**173.2441**	**173.2441**	**4.2300e-003**	**0.0000**	**173.3499**

3.7 Exterior Wall / Interior Improvements - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0605	0.6042	0.5603	1.1100e-003		0.0246	0.0246		0.0233	0.0233	0.0000	96.6088	96.6088	0.0248	0.0000	97.2290
Total	**0.0605**	**0.6042**	**0.5603**	**1.1100e-003**		**0.0246**	**0.0246**		**0.0233**	**0.0233**	**0.0000**	**96.6088**	**96.6088**	**0.0248**	**0.0000**	**97.2290**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2100e-003	0.1026	0.0272	2.8000e-004	6.9500e-003	2.1000e-004	7.1600e-003	2.0100e-003	2.0000e-004	2.2100e-003	0.0000	27.0918	27.0918	1.1400e-003	0.0000	27.1203
Worker	0.0664	0.0442	0.4857	1.6200e-003	0.1832	1.1300e-003	0.1843	0.0487	1.0400e-003	0.0498	0.0000	146.1523	146.1523	3.0900e-003	0.0000	146.2296
Total	**0.0696**	**0.1468**	**0.5129**	**1.9000e-003**	**0.1902**	**1.3400e-003**	**0.1915**	**0.0507**	**1.2400e-003**	**0.0520**	**0.0000**	**173.2441**	**173.2441**	**4.2300e-003**	**0.0000**	**173.3499**

3.7 Exterior Wall / Interior Improvements - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0336	0.3300	0.3277	6.6000e-004		0.0131	0.0131		0.0124	0.0124	0.0000	57.0866	57.0866	0.0146	0.0000	57.4508
Total	**0.0336**	**0.3300**	**0.3277**	**6.6000e-004**		**0.0131**	**0.0131**		**0.0124**	**0.0124**	**0.0000**	**57.0866**	**57.0866**	**0.0146**	**0.0000**	**57.4508**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4300e-003	0.0459	0.0144	1.6000e-004	4.1100e-003	5.0000e-005	4.1600e-003	1.1900e-003	5.0000e-005	1.2400e-003	0.0000	15.5537	15.5537	5.7000e-004	0.0000	15.5680
Worker	0.0368	0.0235	0.2641	9.2000e-004	0.1083	6.5000e-004	0.1089	0.0288	6.0000e-004	0.0294	0.0000	83.0822	83.0822	1.6400e-003	0.0000	83.1231
Total	**0.0382**	**0.0694**	**0.2785**	**1.0800e-003**	**0.1124**	**7.0000e-004**	**0.1131**	**0.0300**	**6.5000e-004**	**0.0306**	**0.0000**	**98.6358**	**98.6358**	**2.2100e-003**	**0.0000**	**98.6911**

3.7 Exterior Wall / Interior Improvements - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0336	0.3300	0.3277	6.6000e-004		0.0131	0.0131		0.0124	0.0124	0.0000	57.0865	57.0865	0.0146	0.0000	57.4508
Total	**0.0336**	**0.3300**	**0.3277**	**6.6000e-004**		**0.0131**	**0.0131**		**0.0124**	**0.0124**	**0.0000**	**57.0865**	**57.0865**	**0.0146**	**0.0000**	**57.4508**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4300e-003	0.0459	0.0144	1.6000e-004	4.1100e-003	5.0000e-005	4.1600e-003	1.1900e-003	5.0000e-005	1.2400e-003	0.0000	15.5537	15.5537	5.7000e-004	0.0000	15.5680
Worker	0.0368	0.0235	0.2641	9.2000e-004	0.1083	6.5000e-004	0.1089	0.0288	6.0000e-004	0.0294	0.0000	83.0822	83.0822	1.6400e-003	0.0000	83.1231
Total	**0.0382**	**0.0694**	**0.2785**	**1.0800e-003**	**0.1124**	**7.0000e-004**	**0.1131**	**0.0300**	**6.5000e-004**	**0.0306**	**0.0000**	**98.6358**	**98.6358**	**2.2100e-003**	**0.0000**	**98.6911**

3.8 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.6000e-003	0.0848	0.1223	1.9000e-004		4.2200e-003	4.2200e-003		3.8800e-003	3.8800e-003	0.0000	16.8714	16.8714	5.4600e-003	0.0000	17.0078
Paving	9.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.5400e-003**	**0.0848**	**0.1223**	**1.9000e-004**		**4.2200e-003**	**4.2200e-003**		**3.8800e-003**	**3.8800e-003**	**0.0000**	**16.8714**	**16.8714**	**5.4600e-003**	**0.0000**	**17.0078**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	1.3600e-003	0.0153	5.0000e-005	6.2700e-003	4.0000e-005	6.3000e-003	1.6700e-003	3.0000e-005	1.7000e-003	0.0000	4.8084	4.8084	9.0000e-005	0.0000	4.8108
Total	**2.1300e-003**	**1.3600e-003**	**0.0153**	**5.0000e-005**	**6.2700e-003**	**4.0000e-005**	**6.3000e-003**	**1.6700e-003**	**3.0000e-005**	**1.7000e-003**	**0.0000**	**4.8084**	**4.8084**	**9.0000e-005**	**0.0000**	**4.8108**

3.8 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.6000e-003	0.0848	0.1223	1.9000e-004		4.2200e-003	4.2200e-003		3.8800e-003	3.8800e-003	0.0000	16.8714	16.8714	5.4600e-003	0.0000	17.0078
Paving	9.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.5400e-003**	**0.0848**	**0.1223**	**1.9000e-004**		**4.2200e-003**	**4.2200e-003**		**3.8800e-003**	**3.8800e-003**	**0.0000**	**16.8714**	**16.8714**	**5.4600e-003**	**0.0000**	**17.0078**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1300e-003	1.3600e-003	0.0153	5.0000e-005	6.2700e-003	4.0000e-005	6.3000e-003	1.6700e-003	3.0000e-005	1.7000e-003	0.0000	4.8084	4.8084	9.0000e-005	0.0000	4.8108
Total	**2.1300e-003**	**1.3600e-003**	**0.0153**	**5.0000e-005**	**6.2700e-003**	**4.0000e-005**	**6.3000e-003**	**1.6700e-003**	**3.0000e-005**	**1.7000e-003**	**0.0000**	**4.8084**	**4.8084**	**9.0000e-005**	**0.0000**	**4.8108**

3.9 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3454					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7100e-003	0.0660	0.0918	1.5000e-004		3.5900e-003	3.5900e-003		3.5900e-003	3.5900e-003	0.0000	12.9365	12.9365	7.7000e-004	0.0000	12.9558
Total	**1.3551**	**0.0660**	**0.0918**	**1.5000e-004**		**3.5900e-003**	**3.5900e-003**		**3.5900e-003**	**3.5900e-003**	**0.0000**	**12.9365**	**12.9365**	**7.7000e-004**	**0.0000**	**12.9558**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	3.9000e-004	4.4100e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3878	1.3878	3.0000e-005	0.0000	1.3884
Total	**6.1000e-004**	**3.9000e-004**	**4.4100e-003**	**2.0000e-005**	**1.8100e-003**	**1.0000e-005**	**1.8200e-003**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.3878**	**1.3878**	**3.0000e-005**	**0.0000**	**1.3884**

3.9 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3454					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7100e-003	0.0660	0.0918	1.5000e-004		3.5900e-003	3.5900e-003		3.5900e-003	3.5900e-003	0.0000	12.9365	12.9365	7.7000e-004	0.0000	12.9558
Total	**1.3551**	**0.0660**	**0.0918**	**1.5000e-004**		**3.5900e-003**	**3.5900e-003**		**3.5900e-003**	**3.5900e-003**	**0.0000**	**12.9365**	**12.9365**	**7.7000e-004**	**0.0000**	**12.9558**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	3.9000e-004	4.4100e-003	2.0000e-005	1.8100e-003	1.0000e-005	1.8200e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3878	1.3878	3.0000e-005	0.0000	1.3884
Total	**6.1000e-004**	**3.9000e-004**	**4.4100e-003**	**2.0000e-005**	**1.8100e-003**	**1.0000e-005**	**1.8200e-003**	**4.8000e-004**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**1.3878**	**1.3878**	**3.0000e-005**	**0.0000**	**1.3884**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Congregate Care (Assisted	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.612822	0.036208	0.182365	0.105071	0.013933	0.005011	0.012748	0.021514	0.002168	0.001529	0.005280	0.000629	0.000720
Other Asphalt Surfaces	0.612822	0.036208	0.182365	0.105071	0.013933	0.005011	0.012748	0.021514	0.002168	0.001529	0.005280	0.000629	0.000720
Other Non-Asphalt Surfaces	0.612822	0.036208	0.182365	0.105071	0.013933	0.005011	0.012748	0.021514	0.002168	0.001529	0.005280	0.000629	0.000720

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	29.7030	29.7030	3.8900e-003	5.8000e-004	29.9722
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	29.7030	29.7030	3.8900e-003	5.8000e-004	29.9722
NaturalGas Mitigated	3.5900e-003	0.0307	0.0130	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	35.4996	35.4996	6.8000e-004	6.5000e-004	35.7106
NaturalGas Unmitigated	3.5900e-003	0.0307	0.0130	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	35.4996	35.4996	6.8000e-004	6.5000e-004	35.7106

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Congregate Care (Assisted Living)	665238	3.5900e-003	0.0307	0.0130	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	35.4996	35.4996	6.8000e-004	6.5000e-004	35.7106
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.5900e-003**	**0.0307**	**0.0130**	**2.0000e-004**		**2.4800e-003**	**2.4800e-003**		**2.4800e-003**	**2.4800e-003**	**0.0000**	**35.4996**	**35.4996**	**6.8000e-004**	**6.5000e-004**	**35.7106**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Congregate Care (Assisted Living)	665238	3.5900e-003	0.0307	0.0130	2.0000e-004		2.4800e-003	2.4800e-003		2.4800e-003	2.4800e-003	0.0000	35.4996	35.4996	6.8000e-004	6.5000e-004	35.7106
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.5900e-003**	**0.0307**	**0.0130**	**2.0000e-004**		**2.4800e-003**	**2.4800e-003**		**2.4800e-003**	**2.4800e-003**	**0.0000**	**35.4996**	**35.4996**	**6.8000e-004**	**6.5000e-004**	**35.7106**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	317883	29.7030	3.8900e-003	5.8000e-004	29.9722
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**29.7030**	**3.8900e-003**	**5.8000e-004**	**29.9722**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	317883	29.7030	3.8900e-003	5.8000e-004	29.9722
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**29.7030**	**3.8900e-003**	**5.8000e-004**	**29.9722**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0736	0.0107	0.8169	5.2000e-004		0.0381	0.0381		0.0381	0.0381	3.5104	2.3766	5.8870	6.5400e-003	2.3000e-004	6.1192
Unmitigated	1.0736	0.0107	0.8169	5.2000e-004		0.0381	0.0381		0.0381	0.0381	3.5104	2.3766	5.8870	6.5400e-003	2.3000e-004	6.1192

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1345					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7441					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1777	4.0900e-003	0.2446	4.9000e-004		0.0350	0.0350		0.0350	0.0350	3.5104	1.4419	4.9523	5.6400e-003	2.3000e-004	5.1620
Landscaping	0.0173	6.6000e-003	0.5723	3.0000e-005		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	0.9347	0.9347	9.0000e-004	0.0000	0.9572
Total	**1.0736**	**0.0107**	**0.8169**	**5.2000e-004**		**0.0382**	**0.0382**		**0.0382**	**0.0382**	**3.5104**	**2.3766**	**5.8870**	**6.5400e-003**	**2.3000e-004**	**6.1192**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1345					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7441					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1777	4.0900e-003	0.2446	4.9000e-004		0.0350	0.0350		0.0350	0.0350	3.5104	1.4419	4.9523	5.6400e-003	2.3000e-004	5.1620
Landscaping	0.0173	6.6000e-003	0.5723	3.0000e-005		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	0.9347	0.9347	9.0000e-004	0.0000	0.9572
Total	**1.0736**	**0.0107**	**0.8169**	**5.2000e-004**		**0.0382**	**0.0382**		**0.0382**	**0.0382**	**3.5104**	**2.3766**	**5.8870**	**6.5400e-003**	**2.3000e-004**	**6.1192**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.1563	0.0459	1.0900e-003	2.6297
Unmitigated	1.1563	0.0459	1.0900e-003	2.6297

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	1.40525 / 0	1.1563	0.0459	1.0900e-003	2.6297
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**1.1563**	**0.0459**	**1.0900e-003**	**2.6297**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	1.40525 / 0	1.1563	0.0459	1.0900e-003	2.6297
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**1.1563**	**0.0459**	**1.0900e-003**	**2.6297**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.2622	0.8429	0.0000	35.3339
Unmitigated	14.2622	0.8429	0.0000	35.3339

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	70.26	14.2622	0.8429	0.0000	35.3339
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**14.2622**	**0.8429**	**0.0000**	**35.3339**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	70.26	14.2622	0.8429	0.0000	35.3339
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**14.2622**	**0.8429**	**0.0000**	**35.3339**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

SCVMC: Tunnel Construction

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	3.00	1000sqft	0.07	3,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use -

Construction Phase - Updated to reflect construction schedule as provided by XL Construction.

Off-road Equipment - Grading / Excavation - Updated based on equipment list provided / reviewed by XL Construction.

Off-road Equipment - Paving Phase - Updated based on equipment list provided / reviewed by XL Construction.

Trips and VMT - Trips and VMT - Updated based on equipment list provided / reviewed by XL Construction. Hauling for excavation updated to relfect use of 16 CY trucks, consistent with CalEEMod assumptions.

Grading - Reflects grading of the area ~4 times. Cut and fill reflects soil movement as provided Sandis.

Construction Off-road Equipment Mitigation - Assumes watering 2x per day to comply with BAAQMD fugitive dust BMPs.

SCVMC: Tunnel Construction - Santa Clara County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	2.00	179.00
tblConstructionPhase	NumDays	5.00	20.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblGrading	AcresOfGrading	0.00	0.03
tblGrading	MaterialExported	0.00	3,200.00
tblGrading	MaterialImported	0.00	250.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	6.00	2.00
tblTripsAndVMT	HaulingTripNumber	341.00	432.00
tblTripsAndVMT	WorkerTripNumber	8.00	4.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2022	0.0175	0.2049	0.1306	3.7000e-004	0.0603	8.0900e-003	0.0684	0.0313	7.4500e-003	0.0388	0.0000	34.4234	34.4234	6.1800e-003	0.0000	34.5780
2023	4.4800e-003	0.0399	0.0549	1.0000e-004	6.2900e-003	1.8900e-003	8.1800e-003	2.2400e-003	1.7700e-003	4.0000e-003	0.0000	8.5969	8.5969	1.9100e-003	0.0000	8.6447
Maximum	**0.0175**	**0.2049**	**0.1306**	**3.7000e-004**	**0.0603**	**8.0900e-003**	**0.0684**	**0.0313**	**7.4500e-003**	**0.0388**	**0.0000**	**34.4234**	**34.4234**	**6.1800e-003**	**0.0000**	**34.5780**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2022	0.0175	0.2049	0.1306	3.7000e-004	0.0306	8.0900e-003	0.0387	0.0151	7.4500e-003	0.0225	0.0000	34.4234	34.4234	6.1800e-003	0.0000	34.5779
2023	4.4800e-003	0.0399	0.0549	1.0000e-004	5.0700e-003	1.8900e-003	6.9600e-003	1.5800e-003	1.7700e-003	3.3400e-003	0.0000	8.5969	8.5969	1.9100e-003	0.0000	8.6447
Maximum	**0.0175**	**0.2049**	**0.1306**	**3.7000e-004**	**0.0306**	**8.0900e-003**	**0.0387**	**0.0151**	**7.4500e-003**	**0.0225**	**0.0000**	**34.4234**	**34.4234**	**6.1800e-003**	**0.0000**	**34.5779**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**46.39**	**0.00**	**40.34**	**50.48**	**0.00**	**39.61**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
6	**4-5-2022**	**7-4-2022**	0.0221	0.0221
7	**7-5-2022**	**10-4-2022**	0.1015	0.1015
8	**10-5-2022**	**1-4-2023**	0.1012	0.1012
9	**1-5-2023**	**4-4-2023**	0.0411	0.0411
		Highest	0.1015	0.1015

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	6.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.6000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0000**	**6.0000e-005**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	6.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.6000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0000**	**6.0000e-005**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

SCVMC: Tunnel Construction - Santa Clara County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/5/2021	1/4/2021	5	0	
2	Site Preparation	Site Preparation	1/19/2021	1/18/2021	5	0	
3	Building Construction	Building Construction	1/22/2021	1/21/2021	5	0	
4	Architectural Coating	Architectural Coating	6/18/2021	6/17/2021	5	0	
5	Grading / Excavation	Grading	6/15/2022	1/9/2023	6	179	
6	Paving	Paving	1/10/2023	2/1/2023	6	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.07

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 180 (Architectural Coating – sqft)

OffRoad Equipment

SCVMC: Tunnel Construction - Santa Clara County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading / Excavation	Concrete/Industrial Saws	0	8.00	81	0.73
Grading / Excavation	Forklifts	1	2.00	89	0.20
Grading / Excavation	Rubber Tired Dozers	1	1.00	247	0.40
Grading / Excavation	Tractors/Loaders/Backhoes	1	2.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Generator Sets	1	2.00	84	0.74
Paving	Pavers	1	2.00	130	0.42
Paving	Paving Equipment	1	2.00	132	0.36
Paving	Rollers	1	2.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading / Excavation	3	4.00	0.00	432.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Grading / Excavation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0539	0.0000	0.0539	0.0296	0.0000	0.0296	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1532	0.1114	1.9000e-004		7.9300e-003	7.9300e-003		7.2900e-003	7.2900e-003	0.0000	16.8282	16.8282	5.4400e-003	0.0000	16.9643
Total	**0.0150**	**0.1532**	**0.1114**	**1.9000e-004**	**0.0539**	**7.9300e-003**	**0.0618**	**0.0296**	**7.2900e-003**	**0.0369**	**0.0000**	**16.8282**	**16.8282**	**5.4400e-003**	**0.0000**	**16.9643**

3.6 Grading / Excavation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5300e-003	0.0510	0.0119	1.6000e-004	3.6300e-003	1.5000e-004	3.7700e-003	9.9000e-004	1.4000e-004	1.1400e-003	0.0000	15.4187	15.4187	6.9000e-004	0.0000	15.4361
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	6.6000e-004	7.2300e-003	2.0000e-005	2.7300e-003	2.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.4000e-004	0.0000	2.1765	2.1765	5.0000e-005	0.0000	2.1776
Total	**2.5200e-003**	**0.0516**	**0.0191**	**1.8000e-004**	**6.3600e-003**	**1.7000e-004**	**6.5200e-003**	**1.7200e-003**	**1.6000e-004**	**1.8800e-003**	**0.0000**	**17.5952**	**17.5952**	**7.4000e-004**	**0.0000**	**17.6137**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0243	0.0000	0.0243	0.0133	0.0000	0.0133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1532	0.1114	1.9000e-004		7.9300e-003	7.9300e-003		7.2900e-003	7.2900e-003	0.0000	16.8282	16.8282	5.4400e-003	0.0000	16.9643
Total	**0.0150**	**0.1532**	**0.1114**	**1.9000e-004**	**0.0243**	**7.9300e-003**	**0.0322**	**0.0133**	**7.2900e-003**	**0.0206**	**0.0000**	**16.8282**	**16.8282**	**5.4400e-003**	**0.0000**	**16.9643**

3.6 Grading / Excavation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.5300e-003	0.0510	0.0119	1.6000e-004	3.6300e-003	1.5000e-004	3.7700e-003	9.9000e-004	1.4000e-004	1.1400e-003	0.0000	15.4187	15.4187	6.9000e-004	0.0000	15.4361
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	6.6000e-004	7.2300e-003	2.0000e-005	2.7300e-003	2.0000e-005	2.7500e-003	7.3000e-004	2.0000e-005	7.4000e-004	0.0000	2.1765	2.1765	5.0000e-005	0.0000	2.1776
Total	**2.5200e-003**	**0.0516**	**0.0191**	**1.8000e-004**	**6.3600e-003**	**1.7000e-004**	**6.5200e-003**	**1.7200e-003**	**1.6000e-004**	**1.8800e-003**	**0.0000**	**17.5952**	**17.5952**	**7.4000e-004**	**0.0000**	**17.6137**

3.6 Grading / Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2100e-003	0.0000	2.2100e-003	1.2100e-003	0.0000	1.2100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-004	5.3000e-003	4.3100e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.6851	0.6851	2.2000e-004	0.0000	0.6907
Total	**5.2000e-004**	**5.3000e-003**	**4.3100e-003**	**1.0000e-005**	**2.2100e-003**	**2.6000e-004**	**2.4700e-003**	**1.2100e-003**	**2.4000e-004**	**1.4500e-003**	**0.0000**	**0.6851**	**0.6851**	**2.2000e-004**	**0.0000**	**0.6907**

3.6 Grading / Excavation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.3600e-003	4.4000e-004	1.0000e-005	2.7800e-003	0.0000	2.7800e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.6033	0.6033	3.0000e-005	0.0000	0.6040
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.7000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0853
Total	**8.0000e-005**	**1.3800e-003**	**7.1000e-004**	**1.0000e-005**	**2.8900e-003**	**0.0000**	**2.8900e-003**	**7.2000e-004**	**0.0000**	**7.2000e-004**	**0.0000**	**0.6885**	**0.6885**	**3.0000e-005**	**0.0000**	**0.6892**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.9000e-004	0.0000	9.9000e-004	5.4000e-004	0.0000	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-004	5.3000e-003	4.3100e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.6851	0.6851	2.2000e-004	0.0000	0.6907
Total	**5.2000e-004**	**5.3000e-003**	**4.3100e-003**	**1.0000e-005**	**9.9000e-004**	**2.6000e-004**	**1.2500e-003**	**5.4000e-004**	**2.4000e-004**	**7.8000e-004**	**0.0000**	**0.6851**	**0.6851**	**2.2000e-004**	**0.0000**	**0.6907**

3.6 Grading / Excavation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.3600e-003	4.4000e-004	1.0000e-005	2.7800e-003	0.0000	2.7800e-003	6.9000e-004	0.0000	6.9000e-004	0.0000	0.6033	0.6033	3.0000e-005	0.0000	0.6040
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.7000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0853
Total	**8.0000e-005**	**1.3800e-003**	**7.1000e-004**	**1.0000e-005**	**2.8900e-003**	**0.0000**	**2.8900e-003**	**7.2000e-004**	**0.0000**	**7.2000e-004**	**0.0000**	**0.6885**	**0.6885**	**3.0000e-005**	**0.0000**	**0.6892**

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3800e-003	0.0330	0.0469	7.0000e-005		1.6200e-003	1.6200e-003		1.5200e-003	1.5200e-003	0.0000	6.3103	6.3103	1.6500e-003	0.0000	6.3514
Paving	9.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.4700e-003**	**0.0330**	**0.0469**	**7.0000e-005**		**1.6200e-003**	**1.6200e-003**		**1.5200e-003**	**1.5200e-003**	**0.0000**	**6.3103**	**6.3103**	**1.6500e-003**	**0.0000**	**6.3514**

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	2.9000e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9130	0.9130	2.0000e-005	0.0000	0.9134
Total	**4.0000e-004**	**2.6000e-004**	**2.9000e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.2000e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9130**	**0.9130**	**2.0000e-005**	**0.0000**	**0.9134**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3800e-003	0.0330	0.0469	7.0000e-005		1.6200e-003	1.6200e-003		1.5200e-003	1.5200e-003	0.0000	6.3102	6.3102	1.6500e-003	0.0000	6.3514
Paving	9.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.4700e-003**	**0.0330**	**0.0469**	**7.0000e-005**		**1.6200e-003**	**1.6200e-003**		**1.5200e-003**	**1.5200e-003**	**0.0000**	**6.3102**	**6.3102**	**1.6500e-003**	**0.0000**	**6.3514**

3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	2.9000e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9130	0.9130	2.0000e-005	0.0000	0.9134
Total	**4.0000e-004**	**2.6000e-004**	**2.9000e-003**	**1.0000e-005**	**1.1900e-003**	**1.0000e-005**	**1.2000e-003**	**3.2000e-004**	**1.0000e-005**	**3.2000e-004**	**0.0000**	**0.9130**	**0.9130**	**2.0000e-005**	**0.0000**	**0.9134**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.612822	0.036208	0.182365	0.105071	0.013933	0.005011	0.012748	0.021514	0.002168	0.001529	0.005280	0.000629	0.000720

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	6.0000e-005
Unmitigated	2.6000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	6.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	6.0000e-005
Total	**2.5000e-004**	**0.0000**	**3.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0000**	**6.0000e-005**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	6.0000e-005
Total	**2.5000e-004**	**0.0000**	**3.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0000**	**6.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

SCVMC: Proposed Parking Garage

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	19.97	1000sqft	0.46	19,972.00	0
Other Non-Asphalt Surfaces	13.11	1000sqft	0.30	13,112.00	0
Unenclosed Parking with Elevator	268.60	1000sqft	1.23	268,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	260	**CH4 Intensity (lb/MWhr)**	0.027	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

SCVMC: Proposed Parking Garage - Santa Clara County, Annual

Project Characteristics - MIG Modeler: Phil Gleason; CO2 intensity factor updated for historical PG&E intensity in 2018; CH4 and N2O based on U.S. EPA EGRID data from 2018.

Land Use - Land Use - Lot acreage updated to reflect parking garage would be five stories (one basement level).

Construction Phase - Construction phasing and schedule provided by XL Construction.

Off-road Equipment -

Off-road Equipment - Architectural EMP and Elevators - Equipment list provided / reviewed by XL Construction.

Off-road Equipment - Demolition Phase - Equipment list provided / reviewed by XL Construction.

Off-road Equipment - Fine Grading - Equipment list provided / reviewed by XL Construction.

Off-road Equipment - Foundation Construction - Equipment list provided / reviewed by XL Construction. OCE represents concrete pump.

Off-road Equipment - Grading / Excavation Phase - Equipment list provided / reviewed by XL Construction.

Off-road Equipment - Paving Phase - Equipment list provided / reviewed by XL Construction.

Off-road Equipment -

Off-road Equipment - Vert Structure Dev - Equipment list provided / reviewed by XL Construction. 275hp gen set reflects a stud generator.

Trips and VMT - Worker trips provided / reviewed by XL construction. Hauling for excavation updated to reflect gross soil movement of approxiamtely 8,300 CY of soil using 16 CY trucks, consistent with CalEEMod assumptions.

Demolition - Demo of the Della Maggorie School, which is approximately 48,574 square feet.

Grading - Reflects grading of the site approximately five times during rough grading / excavation and five times during fine grading.

Energy Use - Reflects compliance with 2019 CalGreen Code.

Construction Off-road Equipment Mitigation - Assumes watering two times per day to comply with BAAQMD fugitive dust BMPs.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	41.00
tblConstructionPhase	NumDays	200.00	106.00
tblConstructionPhase	NumDays	200.00	168.00
tblConstructionPhase	NumDays	200.00	132.00
tblConstructionPhase	NumDays	4.00	86.00
tblConstructionPhase	NumDays	10.00	39.00
tblConstructionPhase	NumDays	2.00	0.00

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblEnergyUse	LightingElect	1.75	1.23
tblGrading	AcresOfGrading	32.25	10.00
tblGrading	MaterialExported	0.00	6,200.00
tblGrading	MaterialImported	0.00	2,100.00
tblLandUse	LandUseSquareFeet	19,970.00	19,972.00
tblLandUse	LandUseSquareFeet	13,110.00	13,112.00
tblLandUse	LotAcreage	6.17	1.23
tblOffRoadEquipment	HorsePower	84.00	275.00
tblOffRoadEquipment	LoadFactor	0.74	0.45
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Architectural MEP and Elevators
tblOffRoadEquipment	PhaseName		Grading / Excavation
tblOffRoadEquipment	PhaseName		Vertical Structure Development
tblOffRoadEquipment	PhaseName		Architectural MEP and Elevators
tblOffRoadEquipment	PhaseName		Grading / Excavation
tblOffRoadEquipment	PhaseName		Demolition
tblOffRoadEquipment	PhaseName		Grading / Excavation
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	6.00	2.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00

tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.027
tblProjectCharacteristics	CO2IntensityFactor	641.35	260
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	WorkerTripNumber	10.00	15.00
tblTripsAndVMT	WorkerTripNumber	18.00	15.00
tblTripsAndVMT	WorkerTripNumber	127.00	15.00
tblTripsAndVMT	WorkerTripNumber	127.00	25.00
tblTripsAndVMT	WorkerTripNumber	127.00	40.00
tblTripsAndVMT	WorkerTripNumber	8.00	15.00
tblTripsAndVMT	WorkerTripNumber	25.00	23.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1227	1.4493	0.9320	2.6900e-003	0.2583	0.0539	0.3122	0.1206	0.0500	0.1705	0.0000	244.8894	244.8894	0.0456	0.0000	246.0290
2022	0.2598	2.1425	1.6450	5.3100e-003	0.0980	0.0665	0.1644	0.0273	0.0636	0.0909	0.0000	492.5358	492.5358	0.0493	0.0000	493.7678
Maximum	**0.2598**	**2.1425**	**1.6450**	**5.3100e-003**	**0.2583**	**0.0665**	**0.3122**	**0.1206**	**0.0636**	**0.1705**	**0.0000**	**492.5358**	**492.5358**	**0.0493**	**0.0000**	**493.7678**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1227	1.4493	0.9320	2.6900e-003	0.1352	0.0539	0.1890	0.0595	0.0500	0.1095	0.0000	244.8893	244.8893	0.0456	0.0000	246.0289
2022	0.2598	2.1425	1.6450	5.3100e-003	0.0980	0.0665	0.1644	0.0273	0.0636	0.0909	0.0000	492.5355	492.5355	0.0493	0.0000	493.7675
Maximum	**0.2598**	**2.1425**	**1.6450**	**5.3100e-003**	**0.1352**	**0.0665**	**0.1890**	**0.0595**	**0.0636**	**0.1095**	**0.0000**	**492.5355**	**492.5355**	**0.0493**	**0.0000**	**493.7675**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**34.56**	**0.00**	**25.84**	**41.30**	**0.00**	**23.35**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2021	8-31-2021	0.7297	0.7297
2	9-1-2021	11-30-2021	0.6414	0.6414
3	12-1-2021	2-28-2022	0.8000	0.8000
4	3-1-2022	5-31-2022	0.6663	0.6663
5	6-1-2022	8-31-2022	0.6831	0.6831
6	9-1-2022	9-30-2022	0.2171	0.2171
		Highest	0.8000	0.8000

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0261	3.0000e-005	2.7800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3900e-003	5.3900e-003	1.0000e-005	0.0000	5.7500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	44.9815	44.9815	4.6700e-003	6.9000e-004	45.3045
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0261**	**3.0000e-005**	**2.7800e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**44.9868**	**44.9868**	**4.6800e-003**	**6.9000e-004**	**45.3102**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0261	3.0000e-005	2.7800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3900e-003	5.3900e-003	1.0000e-005	0.0000	5.7500e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	44.9815	44.9815	4.6700e-003	6.9000e-004	45.3045
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0261**	**3.0000e-005**	**2.7800e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**44.9868**	**44.9868**	**4.6800e-003**	**6.9000e-004**	**45.3102**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

SCVMC: Proposed Parking Garage - Santa Clara County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2021	6/23/2021	6	20	
2	Site Preparation	Site Preparation	6/22/2021	6/21/2021	5	0	
3	Grading / Excavation	Grading	6/24/2021	10/1/2021	6	86	
4	Foundation Construction	Building Construction	10/1/2021	2/1/2022	6	106	
5	Vertical Structure Development	Building Construction	1/1/2022	7/15/2022	6	168	
6	Architectural MEP and Elevators	Building Construction	6/1/2022	11/1/2022	6	132	
7	Paving	Paving	9/1/2022	10/15/2022	6	39	
8	Architectural Coating	Architectural Coating	9/15/2022	11/1/2022	6	41	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 18,101 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	2	4.00	158	0.38
Demolition	Rubber Tired Dozers	1	6.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading / Excavation	Air Compressors	1	2.00	78	0.48

Grading / Excavation	Bore/Drill Rigs	1	6.00	221	0.50
Grading / Excavation	Excavators	2	4.00	158	0.38
Grading / Excavation	Graders	0	6.00	187	0.41
Grading / Excavation	Rubber Tired Dozers	1	6.00	247	0.40
Grading / Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundation Construction	Air Compressors	1	2.00	78	0.48
Foundation Construction	Cranes	1	4.00	231	0.29
Foundation Construction	Forklifts	1	4.00	89	0.20
Foundation Construction	Generator Sets	1	2.00	84	0.74
Foundation Construction	Other Construction Equipment	1	4.00	172	0.42
Foundation Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Foundation Construction	Welders	1	2.00	46	0.45
Vertical Structure Development	Air Compressors	4	2.00	78	0.48
Vertical Structure Development	Cranes	1	6.00	231	0.29
Vertical Structure Development	Forklifts	2	4.00	89	0.20
Vertical Structure Development	Generator Sets	1	2.00	84	0.74
Vertical Structure Development	Generator Sets	1	6.00	275	0.45
Vertical Structure Development	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Vertical Structure Development	Welders	1	2.00	46	0.45
Architectural MEP and Elevators	Aerial Lifts	2	2.00	63	0.31
Architectural MEP and Elevators	Air Compressors	4	2.00	78	0.48
Architectural MEP and Elevators	Cranes	1	2.00	231	0.29
Architectural MEP and Elevators	Forklifts	0	6.00	89	0.20
Architectural MEP and Elevators	Generator Sets	0	8.00	84	0.74
Architectural MEP and Elevators	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Architectural MEP and Elevators	Welders	1	2.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56

Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	6.00	132	0.36
Paving	Rollers	1	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	15.00	0.00	221.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading / Excavation	7	15.00	0.00	1,038.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Foundation Construction	7	15.00	49.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Vertical Structure Development	11	25.00	49.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural MEP and Elevators	10	40.00	49.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0239	0.0000	0.0239	3.6200e-003	0.0000	3.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.1038	0.0630	1.2000e-004		5.0400e-003	5.0400e-003		4.6300e-003	4.6300e-003	0.0000	10.1669	10.1669	3.2900e-003	0.0000	10.2491
Total	**0.0101**	**0.1038**	**0.0630**	**1.2000e-004**	**0.0239**	**5.0400e-003**	**0.0290**	**3.6200e-003**	**4.6300e-003**	**8.2500e-003**	**0.0000**	**10.1669**	**10.1669**	**3.2900e-003**	**0.0000**	**10.2491**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.7000e-004	0.0296	6.4400e-003	9.0000e-005	1.8700e-003	9.0000e-005	1.9700e-003	5.2000e-004	9.0000e-005	6.0000e-004	0.0000	8.3210	8.3210	3.8000e-004	0.0000	8.3305
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.2000e-004	3.4300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9848	0.9848	2.0000e-005	0.0000	0.9854
Total	**1.3300e-003**	**0.0299**	**9.8700e-003**	**1.0000e-004**	**3.0600e-003**	**1.0000e-004**	**3.1700e-003**	**8.4000e-004**	**1.0000e-004**	**9.2000e-004**	**0.0000**	**9.3058**	**9.3058**	**4.0000e-004**	**0.0000**	**9.3158**

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0108	0.0000	0.0108	1.6300e-003	0.0000	1.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.1038	0.0630	1.2000e-004		5.0400e-003	5.0400e-003		4.6300e-003	4.6300e-003	0.0000	10.1669	10.1669	3.2900e-003	0.0000	10.2491
Total	**0.0101**	**0.1038**	**0.0630**	**1.2000e-004**	**0.0108**	**5.0400e-003**	**0.0158**	**1.6300e-003**	**4.6300e-003**	**6.2600e-003**	**0.0000**	**10.1669**	**10.1669**	**3.2900e-003**	**0.0000**	**10.2491**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.7000e-004	0.0296	6.4400e-003	9.0000e-005	1.8700e-003	9.0000e-005	1.9700e-003	5.2000e-004	9.0000e-005	6.0000e-004	0.0000	8.3210	8.3210	3.8000e-004	0.0000	8.3305
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.2000e-004	3.4300e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9848	0.9848	2.0000e-005	0.0000	0.9854
Total	**1.3300e-003**	**0.0299**	**9.8700e-003**	**1.0000e-004**	**3.0600e-003**	**1.0000e-004**	**3.1700e-003**	**8.4000e-004**	**1.0000e-004**	**9.2000e-004**	**0.0000**	**9.3058**	**9.3058**	**4.0000e-004**	**0.0000**	**9.3158**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading / Excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2000	0.0000	0.2000	0.1074	0.0000	0.1074	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0631	0.6473	0.4610	9.8000e-004		0.0308	0.0308		0.0284	0.0284	0.0000	85.7990	85.7990	0.0268	0.0000	86.4694
Total	**0.0631**	**0.6473**	**0.4610**	**9.8000e-004**	**0.2000**	**0.0308**	**0.2308**	**0.1074**	**0.0284**	**0.1358**	**0.0000**	**85.7990**	**85.7990**	**0.0268**	**0.0000**	**86.4694**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0700e-003	0.1388	0.0302	4.0000e-004	8.8000e-003	4.3000e-004	9.2300e-003	2.4200e-003	4.1000e-004	2.8300e-003	0.0000	39.0824	39.0824	1.7700e-003	0.0000	39.1268
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.3800e-003	0.0148	5.0000e-005	5.1200e-003	3.0000e-005	5.1500e-003	1.3600e-003	3.0000e-005	1.3900e-003	0.0000	4.2347	4.2347	1.0000e-004	0.0000	4.2371
Total	**6.0600e-003**	**0.1402**	**0.0450**	**4.5000e-004**	**0.0139**	**4.6000e-004**	**0.0144**	**3.7800e-003**	**4.4000e-004**	**4.2200e-003**	**0.0000**	**43.3171**	**43.3171**	**1.8700e-003**	**0.0000**	**43.3639**

3.4 Grading / Excavation - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0900	0.0000	0.0900	0.0483	0.0000	0.0483	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0631	0.6473	0.4610	9.8000e-004		0.0308	0.0308		0.0284	0.0284	0.0000	85.7989	85.7989	0.0268	0.0000	86.4693
Total	**0.0631**	**0.6473**	**0.4610**	**9.8000e-004**	**0.0900**	**0.0308**	**0.1208**	**0.0483**	**0.0284**	**0.0768**	**0.0000**	**85.7989**	**85.7989**	**0.0268**	**0.0000**	**86.4693**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0700e-003	0.1388	0.0302	4.0000e-004	8.8000e-003	4.3000e-004	9.2300e-003	2.4200e-003	4.1000e-004	2.8300e-003	0.0000	39.0824	39.0824	1.7700e-003	0.0000	39.1268
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.3800e-003	0.0148	5.0000e-005	5.1200e-003	3.0000e-005	5.1500e-003	1.3600e-003	3.0000e-005	1.3900e-003	0.0000	4.2347	4.2347	1.0000e-004	0.0000	4.2371
Total	**6.0600e-003**	**0.1402**	**0.0450**	**4.5000e-004**	**0.0139**	**4.6000e-004**	**0.0144**	**3.7800e-003**	**4.4000e-004**	**4.2200e-003**	**0.0000**	**43.3171**	**43.3171**	**1.8700e-003**	**0.0000**	**43.3639**

3.5 Foundation Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0340	0.3280	0.2866	4.9000e-004		0.0170	0.0170		0.0159	0.0159	0.0000	42.2755	42.2755	0.0109	0.0000	42.5489
Total	**0.0340**	**0.3280**	**0.2866**	**4.9000e-004**		**0.0170**	**0.0170**		**0.0159**	**0.0159**	**0.0000**	**42.2755**	**42.2755**	**0.0109**	**0.0000**	**42.5489**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3100e-003	0.1989	0.0529	5.2000e-004	0.0127	4.4000e-004	0.0132	3.6800e-003	4.2000e-004	4.1000e-003	0.0000	50.1351	50.1351	2.1800e-003	0.0000	50.1898
Worker	1.8300e-003	1.2600e-003	0.0136	4.0000e-005	4.7000e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	3.8900	3.8900	9.0000e-005	0.0000	3.8922
Total	**8.1400e-003**	**0.2002**	**0.0665**	**5.6000e-004**	**0.0174**	**4.7000e-004**	**0.0179**	**4.9300e-003**	**4.5000e-004**	**5.3800e-003**	**0.0000**	**54.0252**	**54.0252**	**2.2700e-003**	**0.0000**	**54.0820**

3.5 Foundation Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0340	0.3280	0.2866	4.9000e-004		0.0170	0.0170		0.0159	0.0159	0.0000	42.2755	42.2755	0.0109	0.0000	42.5489
Total	**0.0340**	**0.3280**	**0.2866**	**4.9000e-004**		**0.0170**	**0.0170**		**0.0159**	**0.0159**	**0.0000**	**42.2755**	**42.2755**	**0.0109**	**0.0000**	**42.5489**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3100e-003	0.1989	0.0529	5.2000e-004	0.0127	4.4000e-004	0.0132	3.6800e-003	4.2000e-004	4.1000e-003	0.0000	50.1351	50.1351	2.1800e-003	0.0000	50.1898
Worker	1.8300e-003	1.2600e-003	0.0136	4.0000e-005	4.7000e-003	3.0000e-005	4.7300e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	3.8900	3.8900	9.0000e-005	0.0000	3.8922
Total	**8.1400e-003**	**0.2002**	**0.0665**	**5.6000e-004**	**0.0174**	**4.7000e-004**	**0.0179**	**4.9300e-003**	**4.5000e-004**	**5.3800e-003**	**0.0000**	**54.0252**	**54.0252**	**2.2700e-003**	**0.0000**	**54.0820**

3.5 Foundation Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.0992	0.0967	1.7000e-004		4.9800e-003	4.9800e-003		4.6700e-003	4.6700e-003	0.0000	14.4511	14.4511	3.7200e-003	0.0000	14.5441
Total	**0.0105**	**0.0992**	**0.0967**	**1.7000e-004**		**4.9800e-003**	**4.9800e-003**		**4.6700e-003**	**4.6700e-003**	**0.0000**	**14.4511**	**14.4511**	**3.7200e-003**	**0.0000**	**14.5441**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0100e-003	0.0643	0.0170	1.8000e-004	4.3500e-003	1.3000e-004	4.4800e-003	1.2600e-003	1.3000e-004	1.3800e-003	0.0000	16.9709	16.9709	7.1000e-004	0.0000	16.9887
Worker	5.8000e-004	3.9000e-004	4.2600e-003	1.0000e-005	1.6100e-003	1.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.2812	1.2812	3.0000e-005	0.0000	1.2819
Total	**2.5900e-003**	**0.0647**	**0.0213**	**1.9000e-004**	**5.9600e-003**	**1.4000e-004**	**6.1000e-003**	**1.6900e-003**	**1.4000e-004**	**1.8200e-003**	**0.0000**	**18.2521**	**18.2521**	**7.4000e-004**	**0.0000**	**18.2706**

3.5 Foundation Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.0992	0.0967	1.7000e-004		4.9800e-003	4.9800e-003		4.6700e-003	4.6700e-003	0.0000	14.4511	14.4511	3.7200e-003	0.0000	14.5441
Total	**0.0105**	**0.0992**	**0.0967**	**1.7000e-004**		**4.9800e-003**	**4.9800e-003**		**4.6700e-003**	**4.6700e-003**	**0.0000**	**14.4511**	**14.4511**	**3.7200e-003**	**0.0000**	**14.5441**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0100e-003	0.0643	0.0170	1.8000e-004	4.3500e-003	1.3000e-004	4.4800e-003	1.2600e-003	1.3000e-004	1.3800e-003	0.0000	16.9709	16.9709	7.1000e-004	0.0000	16.9887
Worker	5.8000e-004	3.9000e-004	4.2600e-003	1.0000e-005	1.6100e-003	1.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.2812	1.2812	3.0000e-005	0.0000	1.2819
Total	**2.5900e-003**	**0.0647**	**0.0213**	**1.9000e-004**	**5.9600e-003**	**1.4000e-004**	**6.1000e-003**	**1.6900e-003**	**1.4000e-004**	**1.8200e-003**	**0.0000**	**18.2521**	**18.2521**	**7.4000e-004**	**0.0000**	**18.2706**

3.6 Vertical Structure Development - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1019	0.8981	0.8092	1.9000e-003		0.0419	0.0419		0.0401	0.0401	0.0000	175.7438	175.7438	0.0243	0.0000	176.3517
Total	**0.1019**	**0.8981**	**0.8092**	**1.9000e-003**		**0.0419**	**0.0419**		**0.0401**	**0.0401**	**0.0000**	**175.7438**	**175.7438**	**0.0243**	**0.0000**	**176.3517**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0125	0.3998	0.1060	1.1000e-003	0.0271	8.2000e-004	0.0279	7.8300e-003	7.8000e-004	8.6100e-003	0.0000	105.5965	105.5965	4.4400e-003	0.0000	105.7074
Worker	6.0400e-003	4.0200e-003	0.0442	1.5000e-004	0.0167	1.0000e-004	0.0168	4.4300e-003	9.0000e-005	4.5200e-003	0.0000	13.2866	13.2866	2.8000e-004	0.0000	13.2936
Total	**0.0186**	**0.4038**	**0.1502**	**1.2500e-003**	**0.0437**	**9.2000e-004**	**0.0447**	**0.0123**	**8.7000e-004**	**0.0131**	**0.0000**	**118.8831**	**118.8831**	**4.7200e-003**	**0.0000**	**119.0010**

3.6 Vertical Structure Development - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1019	0.8981	0.8092	1.9000e-003		0.0419	0.0419		0.0401	0.0401	0.0000	175.7435	175.7435	0.0243	0.0000	176.3514
Total	**0.1019**	**0.8981**	**0.8092**	**1.9000e-003**		**0.0419**	**0.0419**		**0.0401**	**0.0401**	**0.0000**	**175.7435**	**175.7435**	**0.0243**	**0.0000**	**176.3514**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0125	0.3998	0.1060	1.1000e-003	0.0271	8.2000e-004	0.0279	7.8300e-003	7.8000e-004	8.6100e-003	0.0000	105.5965	105.5965	4.4400e-003	0.0000	105.7074
Worker	6.0400e-003	4.0200e-003	0.0442	1.5000e-004	0.0167	1.0000e-004	0.0168	4.4300e-003	9.0000e-005	4.5200e-003	0.0000	13.2866	13.2866	2.8000e-004	0.0000	13.2936
Total	**0.0186**	**0.4038**	**0.1502**	**1.2500e-003**	**0.0437**	**9.2000e-004**	**0.0447**	**0.0123**	**8.7000e-004**	**0.0131**	**0.0000**	**118.8831**	**118.8831**	**4.7200e-003**	**0.0000**	**119.0010**

3.7 Architectural MEP and Elevators - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0299	0.2356	0.2549	4.5000e-004		0.0115	0.0115		0.0112	0.0112	0.0000	38.8075	38.8075	6.1100e-003	0.0000	38.9604
Total	**0.0299**	**0.2356**	**0.2549**	**4.5000e-004**		**0.0115**	**0.0115**		**0.0112**	**0.0112**	**0.0000**	**38.8075**	**38.8075**	**6.1100e-003**	**0.0000**	**38.9604**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8400e-003	0.3141	0.0833	8.6000e-004	0.0213	6.4000e-004	0.0219	6.1500e-003	6.1000e-004	6.7600e-003	0.0000	82.9687	82.9687	3.4900e-003	0.0000	83.0558
Worker	7.5900e-003	5.0500e-003	0.0555	1.8000e-004	0.0209	1.3000e-004	0.0211	5.5700e-003	1.2000e-004	5.6900e-003	0.0000	16.7031	16.7031	3.5000e-004	0.0000	16.7120
Total	**0.0174**	**0.3192**	**0.1388**	**1.0400e-003**	**0.0422**	**7.7000e-004**	**0.0430**	**0.0117**	**7.3000e-004**	**0.0125**	**0.0000**	**99.6718**	**99.6718**	**3.8400e-003**	**0.0000**	**99.7678**

3.7 Architectural MEP and Elevators - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0299	0.2356	0.2549	4.5000e-004		0.0115	0.0115		0.0112	0.0112	0.0000	38.8075	38.8075	6.1100e-003	0.0000	38.9603
Total	**0.0299**	**0.2356**	**0.2549**	**4.5000e-004**		**0.0115**	**0.0115**		**0.0112**	**0.0112**	**0.0000**	**38.8075**	**38.8075**	**6.1100e-003**	**0.0000**	**38.9603**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.8400e-003	0.3141	0.0833	8.6000e-004	0.0213	6.4000e-004	0.0219	6.1500e-003	6.1000e-004	6.7600e-003	0.0000	82.9687	82.9687	3.4900e-003	0.0000	83.0558
Worker	7.5900e-003	5.0500e-003	0.0555	1.8000e-004	0.0209	1.3000e-004	0.0211	5.5700e-003	1.2000e-004	5.6900e-003	0.0000	16.7031	16.7031	3.5000e-004	0.0000	16.7120
Total	**0.0174**	**0.3192**	**0.1388**	**1.0400e-003**	**0.0422**	**7.7000e-004**	**0.0430**	**0.0117**	**7.3000e-004**	**0.0125**	**0.0000**	**99.6718**	**99.6718**	**3.8400e-003**	**0.0000**	**99.7678**

3.8 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0700e-003	0.0916	0.1207	1.9000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	16.6585	16.6585	5.3900e-003	0.0000	16.7932
Paving	6.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6700e-003**	**0.0916**	**0.1207**	**1.9000e-004**		**4.6400e-003**	**4.6400e-003**		**4.2700e-003**	**4.2700e-003**	**0.0000**	**16.6585**	**16.6585**	**5.3900e-003**	**0.0000**	**16.7932**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4000e-004	5.6000e-004	6.1500e-003	2.0000e-005	2.3200e-003	1.0000e-005	2.3300e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.8506	1.8506	4.0000e-005	0.0000	1.8516
Total	**8.4000e-004**	**5.6000e-004**	**6.1500e-003**	**2.0000e-005**	**2.3200e-003**	**1.0000e-005**	**2.3300e-003**	**6.2000e-004**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**1.8506**	**1.8506**	**4.0000e-005**	**0.0000**	**1.8516**

3.8 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0700e-003	0.0916	0.1207	1.9000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	16.6585	16.6585	5.3900e-003	0.0000	16.7932
Paving	6.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**9.6700e-003**	**0.0916**	**0.1207**	**1.9000e-004**		**4.6400e-003**	**4.6400e-003**		**4.2700e-003**	**4.2700e-003**	**0.0000**	**16.6585**	**16.6585**	**5.3900e-003**	**0.0000**	**16.7932**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4000e-004	5.6000e-004	6.1500e-003	2.0000e-005	2.3200e-003	1.0000e-005	2.3300e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.8506	1.8506	4.0000e-005	0.0000	1.8516
Total	**8.4000e-004**	**5.6000e-004**	**6.1500e-003**	**2.0000e-005**	**2.3200e-003**	**1.0000e-005**	**2.3300e-003**	**6.2000e-004**	**1.0000e-005**	**6.3000e-004**	**0.0000**	**1.8506**	**1.8506**	**4.0000e-005**	**0.0000**	**1.8516**

3.9 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0629					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1900e-003	0.0289	0.0372	6.0000e-005		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003	0.0000	5.2342	5.2342	3.4000e-004	0.0000	5.2427
Total	**0.0671**	**0.0289**	**0.0372**	**6.0000e-005**		**1.6800e-003**	**1.6800e-003**		**1.6800e-003**	**1.6800e-003**	**0.0000**	**5.2342**	**5.2342**	**3.4000e-004**	**0.0000**	**5.2427**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	9.0000e-004	9.9100e-003	3.0000e-005	3.7400e-003	2.0000e-005	3.7600e-003	9.9000e-004	2.0000e-005	1.0200e-003	0.0000	2.9832	2.9832	6.0000e-005	0.0000	2.9847
Total	**1.3600e-003**	**9.0000e-004**	**9.9100e-003**	**3.0000e-005**	**3.7400e-003**	**2.0000e-005**	**3.7600e-003**	**9.9000e-004**	**2.0000e-005**	**1.0200e-003**	**0.0000**	**2.9832**	**2.9832**	**6.0000e-005**	**0.0000**	**2.9847**

3.9 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0629					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1900e-003	0.0289	0.0372	6.0000e-005		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003	0.0000	5.2342	5.2342	3.4000e-004	0.0000	5.2427
Total	**0.0671**	**0.0289**	**0.0372**	**6.0000e-005**		**1.6800e-003**	**1.6800e-003**		**1.6800e-003**	**1.6800e-003**	**0.0000**	**5.2342**	**5.2342**	**3.4000e-004**	**0.0000**	**5.2427**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3600e-003	9.0000e-004	9.9100e-003	3.0000e-005	3.7400e-003	2.0000e-005	3.7600e-003	9.9000e-004	2.0000e-005	1.0200e-003	0.0000	2.9832	2.9832	6.0000e-005	0.0000	2.9847
Total	**1.3600e-003**	**9.0000e-004**	**9.9100e-003**	**3.0000e-005**	**3.7400e-003**	**2.0000e-005**	**3.7600e-003**	**9.9000e-004**	**2.0000e-005**	**1.0200e-003**	**0.0000**	**2.9832**	**2.9832**	**6.0000e-005**	**0.0000**	**2.9847**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Other Non-Asphalt Surfaces	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740
Unenclosed Parking with Elevator	0.610498	0.036775	0.183084	0.106123	0.014413	0.005007	0.012610	0.021118	0.002144	0.001548	0.005312	0.000627	0.000740

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	44.9815	44.9815	4.6700e-003	6.9000e-004	45.3045
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	44.9815	44.9815	4.6700e-003	6.9000e-004	45.3045
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	381412	44.9815	4.6700e-003	6.9000e-004	45.3045
Total		**44.9815**	**4.6700e-003**	**6.9000e-004**	**45.3045**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	381412	44.9815	4.6700e-003	6.9000e-004	45.3045
Total		**44.9815**	**4.6700e-003**	**6.9000e-004**	**45.3045**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0261	3.0000e-005	2.7800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3900e-003	5.3900e-003	1.0000e-005	0.0000	5.7500e-003
Unmitigated	0.0261	3.0000e-005	2.7800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3900e-003	5.3900e-003	1.0000e-005	0.0000	5.7500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0195					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.6000e-004	3.0000e-005	2.7800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3900e-003	5.3900e-003	1.0000e-005	0.0000	5.7500e-003
Total	**0.0261**	**3.0000e-005**	**2.7800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.3900e-003**	**5.3900e-003**	**1.0000e-005**	**0.0000**	**5.7500e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.2900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0195					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.6000e-004	3.0000e-005	2.7800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.3900e-003	5.3900e-003	1.0000e-005	0.0000	5.7500e-003
Total	**0.0261**	**3.0000e-005**	**2.7800e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**5.3900e-003**	**5.3900e-003**	**1.0000e-005**	**0.0000**	**5.7500e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

SCVMC: Demolition of Don Lowe Pavilion

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	31.55	1000sqft	0.72	31,554.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Land use placeholder to estimate demoliton of 31,554 square foot Don Lowe Pavilion and paving of a new parking lot.

Construction Phase - Project consists of demo of existing building and repaving of site; no building construction.

Demolition - Demo of existing Don Lowe Pavilion.

Off-road Equipment - Demo - Demo equipment updated based on equipment list reviewed by XL Construction.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	4/12/2024	11/23/2023
tblConstructionPhase	PhaseEndDate	4/19/2024	11/30/2023
tblConstructionPhase	PhaseEndDate	11/14/2023	11/11/2023
tblConstructionPhase	PhaseEndDate	4/5/2024	11/17/2023
tblConstructionPhase	PhaseStartDate	4/6/2024	11/18/2023
tblConstructionPhase	PhaseStartDate	4/13/2024	11/25/2023
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws	Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	8.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0146	0.0680	0.0845	1.9000e-004	0.0186	2.7500e-003	0.0214	3.3500e-003	2.6200e-003	5.9700e-003	0.0000	16.6892	16.6892	2.6300e-003	0.0000	16.7549
Maximum	**0.0146**	**0.0680**	**0.0845**	**1.9000e-004**	**0.0186**	**2.7500e-003**	**0.0214**	**3.3500e-003**	**2.6200e-003**	**5.9700e-003**	**0.0000**	**16.6892**	**16.6892**	**2.6300e-003**	**0.0000**	**16.7549**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0146	0.0680	0.0845	1.9000e-004	0.0186	2.7500e-003	0.0214	3.3500e-003	2.6200e-003	5.9700e-003	0.0000	16.6892	16.6892	2.6300e-003	0.0000	16.7549
Maximum	**0.0146**	**0.0680**	**0.0845**	**1.9000e-004**	**0.0186**	**2.7500e-003**	**0.0214**	**3.3500e-003**	**2.6200e-003**	**5.9700e-003**	**0.0000**	**16.6892**	**16.6892**	**2.6300e-003**	**0.0000**	**16.7549**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.7200e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.2128	3.2128	1.5000e-004	3.0000e-005	3.2254
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.7200e-003**	**0.0000**	**2.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**3.2134**	**3.2134**	**1.5000e-004**	**3.0000e-005**	**3.2260**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.7200e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.2128	3.2128	1.5000e-004	3.0000e-005	3.2254
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.7200e-003**	**0.0000**	**2.9000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**3.2134**	**3.2134**	**1.5000e-004**	**3.0000e-005**	**3.2260**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

SCVMC: Demolition of Don Lowe Pavilion - Santa Clara County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/1/2023	11/11/2023	6	10	
2	Site Preparation	Site Preparation	11/15/2023	11/15/2023	6	1	
3	Grading	Grading	11/16/2023	11/17/2023	6	2	
4	Building Construction	Building Construction	11/18/2023	11/17/2023	6	0	
5	Paving	Paving	11/18/2023	11/23/2023	6	5	
6	Architectural Coating	Architectural Coating	11/25/2023	11/30/2023	6	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.72

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,893 (Architectural Coating – sqft)

OffRoad Equipment

SCVMC: Demolition of Don Lowe Pavilion - Santa Clara County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Excavators	1	6.00	158	0.38
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	8.00	0.00	144.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0155	0.0000	0.0155	2.3500e-003	0.0000	2.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5100e-003	0.0303	0.0473	7.0000e-005		1.5000e-003	1.5000e-003		1.4300e-003	1.4300e-003	0.0000	6.4500	6.4500	1.3500e-003	0.0000	6.4837
Total	**3.5100e-003**	**0.0303**	**0.0473**	**7.0000e-005**	**0.0155**	**1.5000e-003**	**0.0170**	**2.3500e-003**	**1.4300e-003**	**3.7800e-003**	**0.0000**	**6.4500**	**6.4500**	**1.3500e-003**	**0.0000**	**6.4837**

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6000e-004	0.0116	3.7500e-003	5.0000e-005	1.2200e-003	2.0000e-005	1.2400e-003	3.4000e-004	2.0000e-005	3.6000e-004	0.0000	5.1427	5.1427	2.2000e-004	0.0000	5.1481
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	7.0000e-005	7.7000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2435	0.2435	0.0000	0.0000	0.2436
Total	**4.7000e-004**	**0.0117**	**4.5200e-003**	**5.0000e-005**	**1.5400e-003**	**2.0000e-005**	**1.5600e-003**	**4.2000e-004**	**2.0000e-005**	**4.5000e-004**	**0.0000**	**5.3861**	**5.3861**	**2.2000e-004**	**0.0000**	**5.3917**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0155	0.0000	0.0155	2.3500e-003	0.0000	2.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5100e-003	0.0303	0.0473	7.0000e-005		1.5000e-003	1.5000e-003		1.4300e-003	1.4300e-003	0.0000	6.4500	6.4500	1.3500e-003	0.0000	6.4837
Total	**3.5100e-003**	**0.0303**	**0.0473**	**7.0000e-005**	**0.0155**	**1.5000e-003**	**0.0170**	**2.3500e-003**	**1.4300e-003**	**3.7800e-003**	**0.0000**	**6.4500**	**6.4500**	**1.3500e-003**	**0.0000**	**6.4837**

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6000e-004	0.0116	3.7500e-003	5.0000e-005	1.2200e-003	2.0000e-005	1.2400e-003	3.4000e-004	2.0000e-005	3.6000e-004	0.0000	5.1427	5.1427	2.2000e-004	0.0000	5.1481
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	7.0000e-005	7.7000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2435	0.2435	0.0000	0.0000	0.2436
Total	**4.7000e-004**	**0.0117**	**4.5200e-003**	**5.0000e-005**	**1.5400e-003**	**2.0000e-005**	**1.5600e-003**	**4.2000e-004**	**2.0000e-005**	**4.5000e-004**	**0.0000**	**5.3861**	**5.3861**	**2.2000e-004**	**0.0000**	**5.3917**

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-004	3.0900e-003	1.9600e-003	0.0000		1.1000e-004	1.1000e-004		1.0000e-004	1.0000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4309
Total	**2.7000e-004**	**3.0900e-003**	**1.9600e-003**	**0.0000**	**2.7000e-004**	**1.1000e-004**	**3.8000e-004**	**3.0000e-005**	**1.0000e-004**	**1.3000e-004**	**0.0000**	**0.4275**	**0.4275**	**1.4000e-004**	**0.0000**	**0.4309**

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	0.0000	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0152	0.0152	0.0000	0.0000	0.0152
Total	**1.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0152**	**0.0152**	**0.0000**	**0.0000**	**0.0152**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-004	3.0900e-003	1.9600e-003	0.0000		1.1000e-004	1.1000e-004		1.0000e-004	1.0000e-004	0.0000	0.4275	0.4275	1.4000e-004	0.0000	0.4309
Total	**2.7000e-004**	**3.0900e-003**	**1.9600e-003**	**0.0000**	**2.7000e-004**	**1.1000e-004**	**3.8000e-004**	**3.0000e-005**	**1.0000e-004**	**1.3000e-004**	**0.0000**	**0.4275**	**0.4275**	**1.4000e-004**	**0.0000**	**0.4309**

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	0.0000	5.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0152	0.0152	0.0000	0.0000	0.0152
Total	**1.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0152**	**0.0152**	**0.0000**	**0.0000**	**0.0152**

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-004	5.7800e-003	7.3900e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.7000e-004	2.7000e-004	0.0000	1.0418	1.0418	1.9000e-004	0.0000	1.0466
Total	**6.5000e-004**	**5.7800e-003**	**7.3900e-003**	**1.0000e-005**	**7.5000e-004**	**2.8000e-004**	**1.0300e-003**	**4.1000e-004**	**2.7000e-004**	**6.8000e-004**	**0.0000**	**1.0418**	**1.0418**	**1.9000e-004**	**0.0000**	**1.0466**

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	1.9000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0609	0.0609	0.0000	0.0000	0.0609
Total	**3.0000e-005**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0609**	**0.0609**	**0.0000**	**0.0000**	**0.0609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-004	5.7800e-003	7.3900e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.7000e-004	2.7000e-004	0.0000	1.0418	1.0418	1.9000e-004	0.0000	1.0466
Total	**6.5000e-004**	**5.7800e-003**	**7.3900e-003**	**1.0000e-005**	**7.5000e-004**	**2.8000e-004**	**1.0300e-003**	**4.1000e-004**	**2.7000e-004**	**6.8000e-004**	**0.0000**	**1.0418**	**1.0418**	**1.9000e-004**	**0.0000**	**1.0466**

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	1.9000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0609	0.0609	0.0000	0.0000	0.0609
Total	**3.0000e-005**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0609**	**0.0609**	**0.0000**	**0.0000**	**0.0609**

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5300e-003	0.0138	0.0176	3.0000e-005		6.6000e-004	6.6000e-004		6.2000e-004	6.2000e-004	0.0000	2.3498	2.3498	6.8000e-004	0.0000	2.3669
Paving	9.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.4700e-003**	**0.0138**	**0.0176**	**3.0000e-005**		**6.6000e-004**	**6.6000e-004**		**6.2000e-004**	**6.2000e-004**	**0.0000**	**2.3498**	**2.3498**	**6.8000e-004**	**0.0000**	**2.3669**

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	8.0000e-005	8.7000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2739	0.2739	1.0000e-005	0.0000	0.2740
Total	**1.2000e-004**	**8.0000e-005**	**8.7000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**9.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2739**	**0.2739**	**1.0000e-005**	**0.0000**	**0.2740**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5300e-003	0.0138	0.0176	3.0000e-005		6.6000e-004	6.6000e-004		6.2000e-004	6.2000e-004	0.0000	2.3498	2.3498	6.8000e-004	0.0000	2.3669
Paving	9.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.4700e-003**	**0.0138**	**0.0176**	**3.0000e-005**		**6.6000e-004**	**6.6000e-004**		**6.2000e-004**	**6.2000e-004**	**0.0000**	**2.3498**	**2.3498**	**6.8000e-004**	**0.0000**	**2.3669**

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	8.0000e-005	8.7000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2739	0.2739	1.0000e-005	0.0000	0.2740
Total	**1.2000e-004**	**8.0000e-005**	**8.7000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**9.0000e-005**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2739**	**0.2739**	**1.0000e-005**	**0.0000**	**0.2740**

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.5800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393
Total	**7.0600e-003**	**3.2600e-003**	**4.5300e-003**	**1.0000e-005**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6393**

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0457	0.0457	0.0000	0.0000	0.0457
Total	**2.0000e-005**	**1.0000e-005**	**1.5000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0457**	**0.0457**	**0.0000**	**0.0000**	**0.0457**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.5800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6393
Total	**7.0600e-003**	**3.2600e-003**	**4.5300e-003**	**1.0000e-005**		**1.8000e-004**	**1.8000e-004**		**1.8000e-004**	**1.8000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6393**

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.5000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0457	0.0457	0.0000	0.0000	0.0457
Total	**2.0000e-005**	**1.0000e-005**	**1.5000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0457**	**0.0457**	**0.0000**	**0.0000**	**0.0457**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.612822	0.036208	0.182365	0.105071	0.013933	0.005011	0.012748	0.021514	0.002168	0.001529	0.005280	0.000629	0.000720

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3.2128	3.2128	1.5000e-004	3.0000e-005	3.2254
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3.2128	3.2128	1.5000e-004	3.0000e-005	3.2254
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	11043.9	3.2128	1.5000e-004	3.0000e-005	3.2254
Total		**3.2128**	**1.5000e-004**	**3.0000e-005**	**3.2254**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	11043.9	3.2128	1.5000e-004	3.0000e-005	3.2254
Total		**3.2128**	**1.5000e-004**	**3.0000e-005**	**3.2254**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.7200e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Unmitigated	2.7200e-003	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Total	**2.7300e-003**	**0.0000**	**2.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**5.6000e-004**	**5.6000e-004**	**0.0000**	**0.0000**	**6.0000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Total	**2.7300e-003**	**0.0000**	**2.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**5.6000e-004**	**5.6000e-004**	**0.0000**	**0.0000**	**6.0000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 1/26/2021
** File: C:\Lakes\SCVMC_BHC-Const_UNMIT_20210126\SCVMC_BHC-
Const_UNMIT_20210126.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\SCVMC_BehavHealthCtr_UNMIT_20210108
\SCVMC_BehavHealthCtr_UN
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   POLLUTID PM_2.5
   FLAGPOLE 1.80
   RUNORNOT RUN
   ERRORFIL SCVMC_BHC-Const_UNMIT_20210126.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION PAREA01      AREAPOLY   594254.010  4130263.970
44.640
** DESCRSRC Y1_BHC_W_ON
   LOCATION PAREA02      AREAPOLY   594311.550  4130264.560
44.770
** DESCRSRC Y1_BHC_E_ON
   LOCATION PAREA03      AREAPOLY   594254.010  4130263.970
44.640
** DESCRSRC Y2_BHC_W_ON
   LOCATION PAREA04      AREAPOLY   594311.550  4130264.560
44.770
** DESCRSRC Y2_BHC_E_ON
   LOCATION PAREA05      AREAPOLY   594254.010  4130263.970
44.640
** DESCRSRC Y3_BHC_W_ON
```

```
   LOCATION PAREA06      AREAPOLY   594311.550  4130264.560
44.770
** DESCRSRC Y3_BHC_E_ON
   LOCATION PAREA07      AREAPOLY   594355.730  4130165.920
45.480
** DESCRSRC Y2_Tunnel_ON
   LOCATION PAREA08      AREAPOLY   594355.730  4130165.920
45.480
** DESCRSRC Y3_Tunnel_ON
   LOCATION PAREA09      AREAPOLY   594151.460  4130168.080
45.630
** DESCRSRC Y1_Parking-Garage_W_ON
   LOCATION PAREA10      AREAPOLY   594196.590  4130168.650
45.810
** DESCRSRC Y1_Parking-Garage_E_ON
   LOCATION PAREA11      AREAPOLY   594151.460  4130168.080
45.630
** DESCRSRC Y2_Parking-Garage_W
   LOCATION PAREA12      AREAPOLY   594196.590  4130168.650
45.810
** DESCRSRC Y2_Parking-Garage_E
   LOCATION PAREA13      AREAPOLY   594400.799  4129990.212
46.530
** DESCRSRC Y3_Don-Lowe_W_ON
   LOCATION PAREA14      AREAPOLY   594433.053  4129990.533
46.810
** DESCRSRC Y3_Don-Lowe_E_ON
** ----------------------------------------------------------------
-------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ARLN01
** DESCRSRC Y1_BHC/Tunnel
** PREFIX
** Length of Side = 10.97
** Ratio = 10
** Vertical Dimension = 0.00
** Emission Rate = 1.2591E-09
** Nodes = 6
** 594248.760, 4130194.250, 45.20, 4.15
** 594246.280, 4130354.740, 44.03, 4.15
** 594252.620, 4130368.530, 43.63, 4.15
** 594271.530, 4130394.140, 44.00, 4.15
** 594272.100, 4130470.290, 43.01, 4.15
** 594627.710, 4130478.340, 42.34, 4.15
** ----------------------------------------------------------------
-------
   LOCATION A0000012     AREA     594254.246 4130194.335 45.28
   LOCATION A0000013     AREA     594253.006 4130274.580 44.60
   LOCATION A0000014     AREA     594251.265 4130352.448 43.74
   LOCATION A0000015     AREA     594257.034 4130365.271 43.45
   LOCATION A0000016     AREA     594277.016 4130394.099 44.03
   LOCATION A0000017     AREA     594272.224 4130464.805 43.03
```

```
   LOCATION A0000018     AREA     594361.127 4130466.818 42.91
   LOCATION A0000019     AREA     594450.029 4130468.830 42.84
   LOCATION A0000020     AREA     594538.932 4130470.843 42.57
** End of LINE AREA Source ID = ARLN01
** ------------------------------------------------------------
-------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ARLN02
** DESCRSRC Y1_Parking-Garage_OFF
** PREFIX
** Length of Side = 10.97
** Ratio = 10
** Vertical Dimension = 0.00
** Emission Rate = 3.6877E-10
** Nodes = 8
** 594242.660, 4130084.680, 45.99, 4.15
** 594244.290, 4130176.560, 44.99, 4.15
** 594248.760, 4130194.250, 45.20, 4.15
** 594246.280, 4130354.740, 44.03, 4.15
** 594252.620, 4130368.530, 43.63, 4.15
** 594271.530, 4130394.140, 44.00, 4.15
** 594272.100, 4130470.290, 43.01, 4.15
** 594627.710, 4130478.340, 42.34, 4.15
** ------------------------------------------------------------
-------
   LOCATION A0000041     AREA     594248.146 4130084.583 46.13
   LOCATION A0000042     AREA     594249.609 4130175.216 45.20
   LOCATION A0000043     AREA     594254.246 4130194.335 45.28
   LOCATION A0000044     AREA     594253.006 4130274.580 44.60
   LOCATION A0000045     AREA     594251.265 4130352.448 43.74
   LOCATION A0000046     AREA     594257.034 4130365.271 43.45
   LOCATION A0000047     AREA     594277.016 4130394.099 44.03
   LOCATION A0000048     AREA     594272.224 4130464.805 43.03
   LOCATION A0000049     AREA     594361.127 4130466.818 42.91
   LOCATION A0000050     AREA     594450.029 4130468.830 42.84
   LOCATION A0000051     AREA     594538.932 4130470.843 42.57
** End of LINE AREA Source ID = ARLN02
** ------------------------------------------------------------
-------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ARLN03
** DESCRSRC Y2_BHC/Tunnel_OFF
** PREFIX
** Length of Side = 10.97
** Ratio = 10
** Vertical Dimension = 0.00
** Emission Rate = 3.4458E-10
** Nodes = 6
** 594248.760, 4130194.250, 45.20, 4.15
** 594246.280, 4130354.740, 44.03, 4.15
** 594252.620, 4130368.530, 43.63, 4.15
** 594271.530, 4130394.140, 44.00, 4.15
```

```
** 594272.100, 4130470.290, 43.01, 4.15
** 594627.710, 4130478.340, 42.34, 4.15
** ----------------------------------------------------------------
-------
   LOCATION A0000021     AREA     594254.246 4130194.335 45.28
   LOCATION A0000022     AREA     594253.006 4130274.580 44.60
   LOCATION A0000023     AREA     594251.265 4130352.448 43.74
   LOCATION A0000024     AREA     594257.034 4130365.271 43.45
   LOCATION A0000025     AREA     594277.016 4130394.099 44.03
   LOCATION A0000026     AREA     594272.224 4130464.805 43.03
   LOCATION A0000027     AREA     594361.127 4130466.818 42.91
   LOCATION A0000028     AREA     594450.029 4130468.830 42.84
   LOCATION A0000029     AREA     594538.932 4130470.843 42.57
** End of LINE AREA Source ID = ARLN03
** ----------------------------------------------------------------
-------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ARLN04
** DESCRSRC Y2_Parking-Garage_OFF
** PREFIX
** Length of Side = 10.97
** Ratio = 10
** Vertical Dimension = 0.00
** Emission Rate = 3.2966E-10
** Nodes = 8
** 594242.660, 4130084.680, 45.99, 4.15
** 594244.290, 4130176.560, 44.99, 4.15
** 594248.760, 4130194.250, 45.20, 4.15
** 594246.280, 4130354.740, 44.03, 4.15
** 594252.620, 4130368.530, 43.63, 4.15
** 594271.530, 4130394.140, 44.00, 4.15
** 594272.100, 4130470.290, 43.01, 4.15
** 594627.710, 4130478.340, 42.34, 4.15
** ----------------------------------------------------------------
-------
   LOCATION A0000030     AREA     594248.146 4130084.583 46.13
   LOCATION A0000031     AREA     594249.609 4130175.216 45.20
   LOCATION A0000032     AREA     594254.246 4130194.335 45.28
   LOCATION A0000033     AREA     594253.006 4130274.580 44.60
   LOCATION A0000034     AREA     594251.265 4130352.448 43.74
   LOCATION A0000035     AREA     594257.034 4130365.271 43.45
   LOCATION A0000036     AREA     594277.016 4130394.099 44.03
   LOCATION A0000037     AREA     594272.224 4130464.805 43.03
   LOCATION A0000038     AREA     594361.127 4130466.818 42.91
   LOCATION A0000039     AREA     594450.029 4130468.830 42.84
   LOCATION A0000040     AREA     594538.932 4130470.843 42.57
** End of LINE AREA Source ID = ARLN04
** ----------------------------------------------------------------
-------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ARLN05
** DESCRSRC Y3_BHC/Tunnel_OFF
```

```
** PREFIX
** Length of Side = 10.97
** Ratio = 10
** Vertical Dimension = 0.00
** Emission Rate = 1.4223E-10
** Nodes = 6
** 594248.760, 4130194.250, 45.20, 4.15
** 594246.280, 4130354.740, 44.03, 4.15
** 594252.620, 4130368.530, 43.63, 4.15
** 594271.530, 4130394.140, 44.00, 4.15
** 594272.100, 4130470.290, 43.01, 4.15
** 594627.710, 4130478.340, 42.34, 4.15
** ----------------------------------------------------------------
-------
   LOCATION A0000052     AREA     594254.246 4130194.335 45.28
   LOCATION A0000053     AREA     594253.006 4130274.580 44.60
   LOCATION A0000054     AREA     594251.265 4130352.448 43.74
   LOCATION A0000055     AREA     594257.034 4130365.271 43.45
   LOCATION A0000056     AREA     594277.016 4130394.099 44.03
   LOCATION A0000057     AREA     594272.224 4130464.805 43.03
   LOCATION A0000058     AREA     594361.127 4130466.818 42.91
   LOCATION A0000059     AREA     594450.029 4130468.830 42.84
   LOCATION A0000060     AREA     594538.932 4130470.843 42.57
** End of LINE AREA Source ID = ARLN05
** ----------------------------------------------------------------
-------
** Line Source Represented by Area Sources
** LINE AREA Source ID = ARLN06
** DESCRSRC Y3_Don-Lowe_OFF
** PREFIX
** Length of Side = 10.97
** Ratio = 10
** Vertical Dimension = 0.00
** Emission Rate = 4.0636E-12
** Nodes = 7
** 594457.130, 4129924.611, 46.85, 4.15
** 594457.612, 4129907.587, 46.57, 4.15
** 594544.003, 4129906.058, 47.10, 4.15
** 594592.291, 4129902.520, 47.19, 4.15
** 594631.850, 4129893.128, 47.04, 4.15
** 594653.675, 4129901.565, 47.15, 4.15
** 594643.627, 4130471.466, 42.41, 4.15
** ----------------------------------------------------------------
-------
   LOCATION A0000061     AREA     594451.646 4129924.456 46.86
   LOCATION A0000062     AREA     594457.515 4129902.102 46.56
   LOCATION A0000063     AREA     594543.602 4129900.586 47.01
   LOCATION A0000064     AREA     594591.024 4129897.182 47.41
   LOCATION A0000065     AREA     594633.828 4129888.011 47.13
   LOCATION A0000066     AREA     594659.161 4129901.662 47.17
   LOCATION A0000067     AREA     594657.486 4129996.645 46.44
   LOCATION A0000068     AREA     594655.811 4130091.629 45.70
```

```
   LOCATION A0000069     AREA     594654.137 4130186.612 44.92
   LOCATION A0000070     AREA     594652.462 4130281.596 44.14
   LOCATION A0000071     AREA     594650.787 4130376.579 43.27
** End of LINE AREA Source ID = ARLN06
** Source Parameters **
   SRCPARAM PAREA01      7.1457E-07     5.000         4
   AREAVERT PAREA01      594254.010 4130263.970 594311.840
4130264.260
   AREAVERT PAREA01      594312.720 4130191.160 594255.920
4130189.990
   SRCPARAM PAREA02      7.1456E-07     5.000         4
   AREAVERT PAREA02      594311.550 4130264.560 594368.940
4130264.560
   AREAVERT PAREA02      594361.160 4130192.480 594312.720
4130191.460
   SRCPARAM PAREA03      7.4689E-07     5.000         4
   AREAVERT PAREA03      594254.010 4130263.970 594311.840
4130264.260
   AREAVERT PAREA03      594312.720 4130191.160 594255.920
4130189.990
   SRCPARAM PAREA04      7.4688E-07     5.000         4
   AREAVERT PAREA04      594311.550 4130264.560 594368.940
4130264.560
   AREAVERT PAREA04      594361.160 4130192.480 594312.720
4130191.460
   SRCPARAM PAREA05      1.8075E-07     5.000         4
   AREAVERT PAREA05      594254.010 4130263.970 594311.840
4130264.260
   AREAVERT PAREA05      594312.720 4130191.160 594255.920
4130189.990
   SRCPARAM PAREA06      1.8074E-07     5.000         4
   AREAVERT PAREA06      594311.550 4130264.560 594368.940
4130264.560
   AREAVERT PAREA06      594361.160 4130192.480 594312.720
4130191.460
   SRCPARAM PAREA07      1.7171E-06     5.000         4
   AREAVERT PAREA07      594355.730 4130165.920 594347.810
4130165.920
   AREAVERT PAREA07      594347.510 4130201.580 594355.580
4130201.580
   SRCPARAM PAREA08      4.4181E-07     5.000         4
   AREAVERT PAREA08      594355.730 4130165.920 594347.810
4130165.920
   AREAVERT PAREA08      594347.510 4130201.580 594355.580
4130201.580
   SRCPARAM PAREA09      8.8322E-07     5.000         4
   AREAVERT PAREA09      594151.460 4130168.080 594196.530
4130168.600
   AREAVERT PAREA09      594197.740 4130078.620 594152.660
4130078.450
   SRCPARAM PAREA10      8.8321E-07     5.000         6
   AREAVERT PAREA10      594196.590 4130168.650 594234.250
```

```
4130169.040
   AREAVERT PAREA10      594235.620 4130084.630 594233.250
4130080.810
   AREAVERT PAREA10      594223.270 4130078.840 594197.690
4130078.480
   SRCPARAM PAREA11      5.5895E-07     5.000         4
   AREAVERT PAREA11      594151.460 4130168.080 594196.530
4130168.600
   AREAVERT PAREA11      594197.740 4130078.620 594152.660
4130078.450
   SRCPARAM PAREA12      5.5894E-07     5.000         6
   AREAVERT PAREA12      594196.590 4130168.650 594234.250
4130169.040
   AREAVERT PAREA12      594235.620 4130084.630 594233.250
4130080.810
   AREAVERT PAREA12      594223.270 4130078.840 594197.690
4130078.480
   SRCPARAM PAREA13      4.0081E-08     5.000         4
   AREAVERT PAREA13      594400.799 4129990.212 594433.374
4129990.372
   AREAVERT PAREA13      594434.336 4129922.335 594401.601
4129922.335
   SRCPARAM PAREA14      4.0081E-08     5.000         4
   AREAVERT PAREA14      594433.053 4129990.533 594466.109
4129990.372
   AREAVERT PAREA14      594467.713 4129924.742 594434.657
4129922.976
** LINE AREA Source ID = ARLN01
   SRCPARAM A0000012     1.2591E-09     4.150    80.255
10.973   -90.885
   SRCPARAM A0000013     1.2591E-09     4.150    80.255
10.973   -90.885
   SRCPARAM A0000014     1.2591E-09     4.150    15.178
10.973   -65.309
   SRCPARAM A0000015     1.2591E-09     4.150    31.835
10.973   -53.558
   SRCPARAM A0000016     1.2591E-09     4.150    76.152
10.973   -89.571
   SRCPARAM A0000017     1.2591E-09     4.150    88.925
10.973    -1.297
   SRCPARAM A0000018     1.2591E-09     4.150    88.925
10.973    -1.297
   SRCPARAM A0000019     1.2591E-09     4.150    88.925
10.973    -1.297
   SRCPARAM A0000020     1.2591E-09     4.150    88.925
10.973    -1.297
** ------------------------------------------------------------
-------
** LINE AREA Source ID = ARLN02
   SRCPARAM A0000041     3.6877E-10     4.150    91.894
10.973   -88.984
   SRCPARAM A0000042     3.6877E-10     4.150    18.246
```

```
10.973   -75.819
   SRCPARAM A0000043     3.6877E-10     4.150    80.255
10.973   -90.885
   SRCPARAM A0000044     3.6877E-10     4.150    80.255
10.973   -90.885
   SRCPARAM A0000045     3.6877E-10     4.150    15.178
10.973   -65.309
   SRCPARAM A0000046     3.6877E-10     4.150    31.835
10.973   -53.558
   SRCPARAM A0000047     3.6877E-10     4.150    76.152
10.973   -89.571
   SRCPARAM A0000048     3.6877E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000049     3.6877E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000050     3.6877E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000051     3.6877E-10     4.150    88.925
10.973    -1.297
** ------------------------------------------------------------
-------
** LINE AREA Source ID = ARLN03
   SRCPARAM A0000021     3.4458E-10     4.150    80.255
10.973   -90.885
   SRCPARAM A0000022     3.4458E-10     4.150    80.255
10.973   -90.885
   SRCPARAM A0000023     3.4458E-10     4.150    15.178
10.973   -65.309
   SRCPARAM A0000024     3.4458E-10     4.150    31.835
10.973   -53.558
   SRCPARAM A0000025     3.4458E-10     4.150    76.152
10.973   -89.571
   SRCPARAM A0000026     3.4458E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000027     3.4458E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000028     3.4458E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000029     3.4458E-10     4.150    88.925
10.973    -1.297
** ------------------------------------------------------------
-------
** LINE AREA Source ID = ARLN04
   SRCPARAM A0000030     3.2966E-10     4.150    91.894
10.973   -88.984
   SRCPARAM A0000031     3.2966E-10     4.150    18.246
10.973   -75.819
   SRCPARAM A0000032     3.2966E-10     4.150    80.255
10.973   -90.885
   SRCPARAM A0000033     3.2966E-10     4.150    80.255
10.973   -90.885
   SRCPARAM A0000034     3.2966E-10     4.150    15.178
```

```
10.973   -65.309
   SRCPARAM A0000035     3.2966E-10     4.150    31.835
10.973   -53.558
   SRCPARAM A0000036     3.2966E-10     4.150    76.152
10.973   -89.571
   SRCPARAM A0000037     3.2966E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000038     3.2966E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000039     3.2966E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000040     3.2966E-10     4.150    88.925
10.973    -1.297
** ------------------------------------------------------------
-------
** LINE AREA Source ID = ARLN05
   SRCPARAM A0000052     1.4223E-10     4.150    80.255
10.973   -90.885
   SRCPARAM A0000053     1.4223E-10     4.150    80.255
10.973   -90.885
   SRCPARAM A0000054     1.4223E-10     4.150    15.178
10.973   -65.309
   SRCPARAM A0000055     1.4223E-10     4.150    31.835
10.973   -53.558
   SRCPARAM A0000056     1.4223E-10     4.150    76.152
10.973   -89.571
   SRCPARAM A0000057     1.4223E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000058     1.4223E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000059     1.4223E-10     4.150    88.925
10.973    -1.297
   SRCPARAM A0000060     1.4223E-10     4.150    88.925
10.973    -1.297
** ------------------------------------------------------------
-------
** LINE AREA Source ID = ARLN06
   SRCPARAM A0000061     4.0636E-12     4.150    17.031    10.973
88.380
   SRCPARAM A0000062     4.0636E-12     4.150    86.404    10.973
1.015
   SRCPARAM A0000063     4.0636E-12     4.150    48.418    10.973
4.190
   SRCPARAM A0000064     4.0636E-12     4.150    40.658    10.973
13.356
   SRCPARAM A0000065     4.0636E-12     4.150    23.399
10.973   -21.135
   SRCPARAM A0000066     4.0636E-12     4.150    94.998
10.973   -91.010
   SRCPARAM A0000067     4.0636E-12     4.150    94.998
10.973   -91.010
   SRCPARAM A0000068     4.0636E-12     4.150    94.998
```

```
10.973   -91.010
   SRCPARAM A0000069     4.0636E-12     4.150    94.998
10.973   -91.010
   SRCPARAM A0000070     4.0636E-12     4.150    94.998
10.973   -91.010
   SRCPARAM A0000071     4.0636E-12     4.150    94.998
10.973   -91.010
** ------------------------------------------------------------
-------

** Variable Emissions Type: "By Month / Hour / Day (MHRDOW)"
** Variable Emission Scenario: "Y1"
** WeekDays:
** January
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
** July
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA01      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
```

```
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA01      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
** December
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA02      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
```

```
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA02      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA09      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA09      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** March
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
```

```
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA10      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA10      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
** November
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000012     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000013     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000014     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000015     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000015     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000016     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000017     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000018     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000019     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000020     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** June
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000012     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000013     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000014     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000015     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000016     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000017     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000018     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000019     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000020     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
```

```
** January
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
    EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** April
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000041     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000041     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000042     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000043     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000044     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000045     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000046     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000047     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000048     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000049     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000050     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000051     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
    EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** July
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
    EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000041     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000042     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000043     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000044     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000045     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000046     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000047     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000048     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000049     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000050     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000051     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Month / Hour / Day (MHRDOW)"
** Variable Emission Scenario: "Y2"
** WeekDays:
** January
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA03      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** May
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA03      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
```

```
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA04      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** October
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA04      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
```

```
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA12      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA12      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
    EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
    EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000021     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000022     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000023     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000024     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000025     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000026     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000027     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000028     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000029     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000021     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000022     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000023     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000024     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000025     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000026     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000027     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000028     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000029     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000030     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000031     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000032     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000033     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000034     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000035     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000036     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000037     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000037     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000038     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000039     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000040     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000030     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000031     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000032     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000033     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000034     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000035     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000036     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000037     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000038     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000039     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000040     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
** April
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
```

```
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA07      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA07      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA07      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
** September
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
```

```
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA11      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA11      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Variable Emissions Type: "By Month / Hour / Day (MHRDOW)"
** Variable Emission Scenario: "Y3"
** WeekDays:
** January
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
** March
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
```

```
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA05      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA05      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA05      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
** August
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
```

```
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA06      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA06      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** Saturday:
** January
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
```

```
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA08      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA08      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
    EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
    EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
    EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
    EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
    EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
    EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000052     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000053     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000054     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000055     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000056     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000057     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000058     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000059     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000060     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
    EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000052     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000053     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000054     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000055     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000056     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000057     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000058     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000059     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000060     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
** November
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
```

```
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA13      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA13      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT PAREA14      MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** February
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT PAREA14      MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
** January
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
    EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
** September
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
** January
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** February
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** March
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** April
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
    EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** June
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** August
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
    EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
```

```
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
** November
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000061     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000062     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000063     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000064     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000065     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000066     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000067     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000068     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000069     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000070     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 1.0 1.0 1.0 1.0 1.0
   EMISFACT A0000071     MHRDOW 1.0 0.0 0.0 0.0 0.0 0.0
```

```
** December
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
** January
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** February
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** March
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** April
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** May
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** June
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** July
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** August
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** September
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** October
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** November
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** December
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000061     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000062     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000063     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000064     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000065     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000066     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000067     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000068     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000069     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000070     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT A0000071     MHRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP Y1_ALL   PAREA01 PAREA02 PAREA09 PAREA10 A0000012
A0000013 A0000014
   SRCGROUP Y1_ALL   A0000015 A0000016 A0000017 A0000018 A0000019
A0000020
   SRCGROUP Y1_ALL   A0000041 A0000042 A0000043 A0000044 A0000045
A0000046
   SRCGROUP Y1_ALL   A0000047 A0000048 A0000049 A0000050 A0000051
   SRCGROUP Y1_B_ON  PAREA01 PAREA02
   SRCGROUP Y1_B_OFF A0000012 A0000013 A0000014 A0000015 A0000016
A0000017
   SRCGROUP Y1_B_OFF A0000018 A0000019 A0000020
   SRCGROUP Y1_P_ON  PAREA09 PAREA10
   SRCGROUP Y1_P_OFF A0000041 A0000042 A0000043 A0000044 A0000045
A0000046
   SRCGROUP Y1_P_OFF A0000047 A0000048 A0000049 A0000050 A0000051
   SRCGROUP Y1_ON    PAREA01 PAREA02 PAREA09 PAREA10
   SRCGROUP Y1_OFF   A0000012 A0000013 A0000014 A0000015 A0000016
A0000017
   SRCGROUP Y1_OFF   A0000018 A0000019 A0000020 A0000041 A0000042
A0000043
   SRCGROUP Y1_OFF   A0000044 A0000045 A0000046 A0000047 A0000048
A0000049
   SRCGROUP Y1_OFF   A0000050 A0000051
   SRCGROUP Y2_ALL   PAREA03 PAREA04 PAREA07 PAREA11 PAREA12
A0000021 A0000022
   SRCGROUP Y2_ALL   A0000023 A0000024 A0000025 A0000026 A0000027
A0000028
   SRCGROUP Y2_ALL   A0000029 A0000030 A0000031 A0000032 A0000033
A0000034
   SRCGROUP Y2_ALL   A0000035 A0000036 A0000037 A0000038 A0000039
A0000040
   SRCGROUP Y2_B_ON  PAREA03 PAREA04
   SRCGROUP Y2_BT_OF A0000021 A0000022 A0000023 A0000024 A0000025
A0000026
   SRCGROUP Y2_BT_OF A0000027 A0000028 A0000029
   SRCGROUP Y2_P_ON  PAREA03 PAREA04
   SRCGROUP Y2_P_OFF A0000030 A0000031 A0000032 A0000033 A0000034
A0000035
```

```
   SRCGROUP Y2_P_OFF A0000036 A0000037 A0000038 A0000039 A0000040
   SRCGROUP Y2_T_ON  PAREA07
   SRCGROUP Y2_ON    PAREA03 PAREA04 PAREA07 PAREA11 PAREA12
   SRCGROUP Y2_OFF   A0000021 A0000022 A0000023 A0000024 A0000025
A0000026
   SRCGROUP Y2_OFF   A0000027 A0000028 A0000029 A0000030 A0000031
A0000032
   SRCGROUP Y2_OFF   A0000033 A0000034 A0000035 A0000036 A0000037
A0000038
   SRCGROUP Y2_OFF   A0000039 A0000040
   SRCGROUP Y3_ALL   PAREA05 PAREA06 PAREA08 A0000052 A0000053
A0000054
   SRCGROUP Y3_ALL   A0000055 A0000056 A0000057 A0000058 A0000059
A0000060
   SRCGROUP Y3_ALL   PAREA13 PAREA14 A0000061 A0000062 A0000063
A0000064
   SRCGROUP Y3_ALL   A0000065 A0000066 A0000067 A0000068 A0000069
A0000070
   SRCGROUP Y3_ALL   A0000071
   SRCGROUP Y3_B_ON  PAREA05 PAREA06
   SRCGROUP Y3_BT_OF A0000052 A0000053 A0000054 A0000055 A0000056
A0000057
   SRCGROUP Y3_BT_OF A0000058 A0000059 A0000060
   SRCGROUP Y3_T_ON  PAREA08
   SRCGROUP Y3_ON    PAREA05 PAREA06 PAREA08 PAREA13 PAREA14
   SRCGROUP Y3_OFF   A0000052 A0000053 A0000054 A0000055 A0000056
A0000057
   SRCGROUP Y3_OFF   A0000058 A0000059 A0000060 A0000061 A0000062
A0000063
   SRCGROUP Y3_OFF   A0000064 A0000065 A0000066 A0000067 A0000068
A0000069
   SRCGROUP Y3_OFF   A0000070 A0000071
   SRCGROUP Y3_DL_ON PAREA13 PAREA14
   SRCGROUP Y3_DL_OF A0000061 A0000062 A0000063 A0000064 A0000065
A0000066
   SRCGROUP Y3_DL_OF A0000067 A0000068 A0000069 A0000070 A0000071
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED SCVMC_BHC-Const_UNMIT_20210126.rou
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
```

```
ME STARTING
   SURFFILE C:\Users\sjremote\Desktop\KSJC_SanJoseInt_AERMOD_Met-
Data\KSJC_Complied.sfc
   PROFFILE C:\Users\sjremote\Desktop\KSJC_SanJoseInt_AERMOD_Met-
Data\KSJC_Complied.PFL
   SURFDATA 23293 2013 San_Jose_International_Airport_(KSJC)
   UAIRDATA 23230 2013 OAKLAND/WSO_AP
   PROFBASE 15.5 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD Y1_ALL SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G001.PLT 31
   PLOTFILE PERIOD Y1_B_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G002.PLT 32
   PLOTFILE PERIOD Y1_B_OFF SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G003.PLT 33
   PLOTFILE PERIOD Y1_P_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G004.PLT 34
   PLOTFILE PERIOD Y1_P_OFF SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G005.PLT 35
   PLOTFILE PERIOD Y1_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G006.PLT 36
   PLOTFILE PERIOD Y1_OFF SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G007.PLT 37
   PLOTFILE PERIOD Y2_ALL SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G008.PLT 38
   PLOTFILE PERIOD Y2_B_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G009.PLT 39
   PLOTFILE PERIOD Y2_BT_OF SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G010.PLT 40
   PLOTFILE PERIOD Y2_P_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G011.PLT 41
   PLOTFILE PERIOD Y2_P_OFF SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G012.PLT 42
   PLOTFILE PERIOD Y2_T_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G013.PLT 43
   PLOTFILE PERIOD Y2_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G014.PLT 44
   PLOTFILE PERIOD Y2_OFF SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G015.PLT 45
   PLOTFILE PERIOD Y3_ALL SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G016.PLT 46
   PLOTFILE PERIOD Y3_B_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G017.PLT 47
   PLOTFILE PERIOD Y3_BT_OF SCVMC_BHC-CONST_UNMIT_20210126.AD
```

```
\PE00G018.PLT 48
   PLOTFILE PERIOD Y3_T_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G019.PLT 49
   PLOTFILE PERIOD Y3_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G020.PLT 50
   PLOTFILE PERIOD Y3_OFF SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G021.PLT 51
   PLOTFILE PERIOD Y3_DL_ON SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G022.PLT 52
   PLOTFILE PERIOD Y3_DL_OF SCVMC_BHC-CONST_UNMIT_20210126.AD
\PE00G023.PLT 53
   SUMMFILE SCVMC_BHC-Const_UNMIT_20210126.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186   11869       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used          0.50
 ME W187   11869       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

```
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes
\SCVMC_BehavHealthCtr_UNMIT_20210108\SCVMC_BehavHealthCtr_UN ***
01/26/21
 *** AERMET - VERSION  18081 ***   ***
***        13:52:39

PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  RURAL  ADJ_U*

                                            ***     MODEL SETUP
OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

 **Model Is Setup For Calculation of Average CONCentration
Values.

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
 **Model Uses NO WET DEPLETION.  WETDPLT  =  F

 **Model Uses RURAL Dispersion Only.

 **Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.

 **Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR
substitutions
        TEMP_Sub - Meteorological data includes TEMP
substitutions

 **Model Accepts FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  PM_2.5

 **Model Calculates PERIOD Averages Only

 **This Run Includes:     74 Source(s);      23 Source Group(s);
and     437 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:      0 VOLUME source(s)
                 and:     74 AREA type source(s)
```

```
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with      0
line(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  18081

 **Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs External File(s) of High Values for
Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked
Values (SUMMFILE Keyword)

 **NOTE:  The Following Flags May Appear Following CONC Values:
c for Calm Hours

m for Missing Hours

b for Both Calm and Missing Hours

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =
15.50 ;  Decay Coef. =    0.000     ;  Rot. Angle =     0.0
                 Emission Units =
GRAMS/SEC                                ;  Emission Rate Unit
Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      4.4 MB of
RAM.

 **Input Runstream File:          aermod.inp
 **Output Print File:             aermod.out

 **Detailed Error/Message File:   SCVMC_BHC-Const_UNMIT_
20210126.err
 **File for Summary of Results:   SCVMC_BHC-Const_UNMIT_
20210126.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** AREA SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000012	0	0.12591E-08	594254.2	4130194.3	45.3	4.15	80.25	10.97	-90.88	0.00	NO	MHRDOW
A0000013	0	0.12591E-08	594253.0	4130274.6	44.6	4.15	80.25	10.97	-90.88	0.00	NO	MHRDOW
A0000014	0	0.12591E-08	594251.3	4130352.4	43.7	4.15	15.18	10.97	-65.31	0.00	NO	MHRDOW
A0000015	0	0.12591E-08	594257.0	4130365.3	43.4	4.15	31.84	10.97	-53.56	0.00	NO	MHRDOW
A0000016	0	0.12591E-08	594277.0	4130394.1	44.0	4.15	76.15	10.97	-89.57	0.00	NO	MHRDOW
A0000017	0	0.12591E-08	594272.2	4130464.8	43.0	4.15	88.92	10.97	-1.30	0.00	NO	MHRDOW
A0000018	0	0.12591E-08	594361.1	4130466.8	42.9	4.15	88.92	10.97	-1.30	0.00	NO	MHRDOW
A0000019	0	0.12591E-08	594450.0	4130468.8	42.8	4.15	88.92	10.97	-1.30	0.00	NO	MHRDOW
A0000020	0	0.12591E-08	594538.9	4130470.8	42.6	4.15	88.92	10.97	-1.30	0.00	NO	MHRDOW
A0000041	0	0.36877E-09	594248.1	4130084.6	46.1	4.15	91.89	10.97	-88.98	0.00	NO	MHRDOW
A0000042	0	0.36877E-09	594249.6	4130175.2	45.2	4.15	18.25	10.97	-75.82	0.00	NO	MHRDOW
A0000043	0	0.36877E-09	594254.2	4130194.3	45.3	4.15	80.25	10.97	-90.88	0.00	NO	MHRDOW
A0000044	0	0.36877E-09	594253.0	4130274.6	44.6	4.15	80.25	10.97	-90.88	0.00	NO	MHRDOW
A0000045	0	0.36877E-09	594251.3	4130352.4	43.7							

```
4.15     15.18     10.97    -65.31     0.00     NO    MHRDOW
 A0000046          0   0.36877E-09  594257.0 4130365.3    43.4
4.15     31.84     10.97    -53.56     0.00     NO    MHRDOW
 A0000047          0   0.36877E-09  594277.0 4130394.1    44.0
4.15     76.15     10.97    -89.57     0.00     NO    MHRDOW
 A0000048          0   0.36877E-09  594272.2 4130464.8    43.0
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000049          0   0.36877E-09  594361.1 4130466.8    42.9
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000050          0   0.36877E-09  594450.0 4130468.8    42.8
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000051          0   0.36877E-09  594538.9 4130470.8    42.6
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000021          0   0.34458E-09  594254.2 4130194.3    45.3
4.15     80.25     10.97    -90.88     0.00     NO    MHRDOW
 A0000022          0   0.34458E-09  594253.0 4130274.6    44.6
4.15     80.25     10.97    -90.88     0.00     NO    MHRDOW
 A0000023          0   0.34458E-09  594251.3 4130352.4    43.7
4.15     15.18     10.97    -65.31     0.00     NO    MHRDOW
 A0000024          0   0.34458E-09  594257.0 4130365.3    43.4
4.15     31.84     10.97    -53.56     0.00     NO    MHRDOW
 A0000025          0   0.34458E-09  594277.0 4130394.1    44.0
4.15     76.15     10.97    -89.57     0.00     NO    MHRDOW
 A0000026          0   0.34458E-09  594272.2 4130464.8    43.0
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000027          0   0.34458E-09  594361.1 4130466.8    42.9
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000028          0   0.34458E-09  594450.0 4130468.8    42.8
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000029          0   0.34458E-09  594538.9 4130470.8    42.6
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000030          0   0.32966E-09  594248.1 4130084.6    46.1
4.15     91.89     10.97    -88.98     0.00     NO    MHRDOW
 A0000031          0   0.32966E-09  594249.6 4130175.2    45.2
4.15     18.25     10.97    -75.82     0.00     NO    MHRDOW
 A0000032          0   0.32966E-09  594254.2 4130194.3    45.3
4.15     80.25     10.97    -90.88     0.00     NO    MHRDOW
 A0000033          0   0.32966E-09  594253.0 4130274.6    44.6
4.15     80.25     10.97    -90.88     0.00     NO    MHRDOW
 A0000034          0   0.32966E-09  594251.3 4130352.4    43.7
4.15     15.18     10.97    -65.31     0.00     NO    MHRDOW
 A0000035          0   0.32966E-09  594257.0 4130365.3    43.4
4.15     31.84     10.97    -53.56     0.00     NO    MHRDOW
 A0000036          0   0.32966E-09  594277.0 4130394.1    44.0
4.15     76.15     10.97    -89.57     0.00     NO    MHRDOW
 A0000037          0   0.32966E-09  594272.2 4130464.8    43.0
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000038          0   0.32966E-09  594361.1 4130466.8    42.9
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000039          0   0.32966E-09  594450.0 4130468.8    42.8
4.15     88.92     10.97     -1.30     0.00     NO    MHRDOW
 A0000040          0   0.32966E-09  594538.9 4130470.8    42.6
```

4.15	88.92	10.97	-1.30	0.00	NO	MHRDOW

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** AREA SOURCE DATA ***

SOURCE ID	PART. CATS.	NUMBER EMISSION RATE (GRAMS/SEC /METER**2)	COORD (SW CORNER) X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	X-DIM OF AREA (METERS)	Y-DIM OF AREA (METERS)	ORIENT. OF AREA (DEG.)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
A0000052	0	0.14223E-09	594254.2	4130194.3	45.3	4.15	80.25	10.97	-90.88	0.00	NO	MHRDOW
A0000053	0	0.14223E-09	594253.0	4130274.6	44.6	4.15	80.25	10.97	-90.88	0.00	NO	MHRDOW
A0000054	0	0.14223E-09	594251.3	4130352.4	43.7	4.15	15.18	10.97	-65.31	0.00	NO	MHRDOW
A0000055	0	0.14223E-09	594257.0	4130365.3	43.4	4.15	31.84	10.97	-53.56	0.00	NO	MHRDOW
A0000056	0	0.14223E-09	594277.0	4130394.1	44.0	4.15	76.15	10.97	-89.57	0.00	NO	MHRDOW
A0000057	0	0.14223E-09	594272.2	4130464.8	43.0	4.15	88.92	10.97	-1.30	0.00	NO	MHRDOW
A0000058	0	0.14223E-09	594361.1	4130466.8	42.9	4.15	88.92	10.97	-1.30	0.00	NO	MHRDOW
A0000059	0	0.14223E-09	594450.0	4130468.8	42.8	4.15	88.92	10.97	-1.30	0.00	NO	MHRDOW
A0000060	0	0.14223E-09	594538.9	4130470.8	42.6	4.15	88.92	10.97	-1.30	0.00	NO	MHRDOW
A0000061	0	0.40636E-11	594451.6	4129924.5	46.9	4.15	17.03	10.97	88.38	0.00	NO	MHRDOW
A0000062	0	0.40636E-11	594457.5	4129902.1	46.6	4.15	86.40	10.97	1.01	0.00	NO	MHRDOW
A0000063	0	0.40636E-11	594543.6	4129900.6	47.0	4.15	48.42	10.97	4.19	0.00	NO	MHRDOW
A0000064	0	0.40636E-11	594591.0	4129897.2	47.4	4.15	40.66	10.97	13.36	0.00	NO	MHRDOW
A0000065	0	0.40636E-11	594633.8	4129888.0	47.1							

```
4.15     23.40     10.97    -21.14     0.00     NO    MHRDOW
 A0000066         0   0.40636E-11  594659.2 4129901.7    47.2
4.15     95.00     10.97    -91.01     0.00     NO    MHRDOW
 A0000067         0   0.40636E-11  594657.5 4129996.6    46.4
4.15     95.00     10.97    -91.01     0.00     NO    MHRDOW
 A0000068         0   0.40636E-11  594655.8 4130091.6    45.7
4.15     95.00     10.97    -91.01     0.00     NO    MHRDOW
 A0000069         0   0.40636E-11  594654.1 4130186.6    44.9
4.15     95.00     10.97    -91.01     0.00     NO    MHRDOW
 A0000070         0   0.40636E-11  594652.5 4130281.6    44.1
4.15     95.00     10.97    -91.01     0.00     NO    MHRDOW
 A0000071         0   0.40636E-11  594650.8 4130376.6    43.3
4.15     95.00     10.97    -91.01     0.00     NO    MHRDOW
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** AREAPOLY SOURCE DATA ***

RELEASE SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	URBAN SOURCE	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
PAREA01	0	0.71457E-06		594254.0	4130264.0	44.6	5.00	4	0.00	NO MHRDOW
PAREA02	0	0.71456E-06		594311.6	4130264.6	44.8	5.00	4	0.00	NO MHRDOW
PAREA03	0	0.74689E-06		594254.0	4130264.0	44.6	5.00	4	0.00	NO MHRDOW
PAREA04	0	0.74688E-06		594311.6	4130264.6	44.8	5.00	4	0.00	NO MHRDOW
PAREA05	0	0.18075E-06		594254.0	4130264.0	44.6	5.00	4	0.00	NO MHRDOW
PAREA06	0	0.18074E-06		594311.6	4130264.6	44.8	5.00	4	0.00	NO MHRDOW
PAREA07	0	0.17171E-05		594355.7	4130165.9	45.5	5.00	4	0.00	NO MHRDOW
PAREA08	0	0.44181E-06		594355.7	4130165.9	45.5	5.00	4	0.00	NO MHRDOW
PAREA09	0	0.88322E-06		594151.5	4130168.1	45.6	5.00	4	0.00	NO MHRDOW
PAREA10	0	0.88321E-06		594196.6	4130168.6	45.8	5.00	6	0.00	NO MHRDOW
PAREA11	0	0.55895E-06		594151.5	4130168.1	45.6	5.00	4	0.00	NO MHRDOW
PAREA12	0	0.55894E-06		594196.6	4130168.6	45.8	5.00	6	0.00	NO MHRDOW
PAREA13	0	0.40081E-07		594400.8	4129990.2	46.5	5.00	4	0.00	NO MHRDOW
PAREA14	0	0.40081E-07		594433.1	4129990.5	46.8	5.00	4	0.00	NO MHRDOW

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** SOURCE IDs
DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
Y1_ALL	PAREA01 , PAREA02 , PAREA09 , PAREA10 , A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 , A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,
Y1_B_ON	PAREA01 , PAREA02 ,
Y1_B_OFF	A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 ,
Y1_P_ON	PAREA09 , PAREA10 ,
Y1_P_OFF	A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,
Y1_ON	PAREA01 , PAREA02 , PAREA09 , PAREA10 ,
Y1_OFF	A0000012 , A0000013 , A0000014 , A0000015 , A0000016 , A0000017 , A0000018 ,

```
A0000019    ,

             A0000020    , A0000041    , A0000042    ,
A0000043    , A0000044    , A0000045    , A0000046    ,
A0000047    ,

             A0000048    , A0000049    , A0000050    ,
A0000051    ,

  Y2_ALL     PAREA03     , PAREA04     , PAREA07     ,
PAREA11     , PAREA12     , A0000021    , A0000022    ,
A0000023    ,

             A0000024    , A0000025    , A0000026    ,
A0000027    , A0000028    , A0000029    , A0000030    ,
A0000031    ,

             A0000032    , A0000033    , A0000034    ,
A0000035    , A0000036    , A0000037    , A0000038    ,
A0000039    ,

             A0000040    ,

  Y2_B_ON    PAREA03     , PAREA04     ,

  Y2_BT_OF   A0000021    , A0000022    , A0000023    ,
A0000024    , A0000025    , A0000026    , A0000027    ,
A0000028    ,

             A0000029    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** SOURCE IDs
DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
Y2_P_ON	PAREA03 , PAREA04 ,
Y2_P_OFF	A0000030 , A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 , A0000037 ,
	A0000038 , A0000039 , A0000040 ,
Y2_T_ON	PAREA07 ,
Y2_ON	PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,
Y2_OFF	A0000021 , A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 ,
	A0000029 , A0000030 , A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 ,
	A0000037 , A0000038 , A0000039 , A0000040 ,
Y3_ALL	PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 , A0000052 , A0000053 , A0000054 ,
	A0000055 , A0000056 , A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 ,
	A0000063 , A0000064 , A0000065 ,

```
A0000066    , A0000067    , A0000068    , A0000069    ,
A0000070    ,

             A0000071    ,

  Y3_B_ON    PAREA05     , PAREA06     ,

  Y3_BT_OF   A0000052    , A0000053    , A0000054    ,
A0000055    , A0000056    , A0000057    , A0000058    ,
A0000059    ,

             A0000060    ,

  Y3_T_ON    PAREA08     ,

  Y3_ON      PAREA05     , PAREA06     , PAREA08     ,
PAREA13     , PAREA14     ,

  Y3_OFF     A0000052    , A0000053    , A0000054    ,
A0000055    , A0000056    , A0000057    , A0000058    ,
A0000059    ,

             A0000060    , A0000061    , A0000062    ,
A0000063    , A0000064    , A0000065    , A0000066    ,
A0000067    ,

             A0000068    , A0000069    , A0000070    ,
A0000071    ,
```

```
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes
\SCVMC_BehavHealthCtr_UNMIT_20210108\SCVMC_BehavHealthCtr_UN ***
01/26/21
 *** AERMET - VERSION  18081 ***   ***
***        13:52:39

PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  RURAL  ADJ_U*


                                            *** SOURCE IDs
DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                                SOURCE
IDs
 -----------                                                -------
---


  Y3_DL_ON   PAREA13     , PAREA14     ,

  Y3_DL_OF   A0000061    , A0000062    , A0000063    ,
A0000064    , A0000065    , A0000066    , A0000067    ,
A0000068    ,

             A0000069    , A0000070    , A0000071    ,
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA01 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA01 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA01 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA02 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA02 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA02 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA03 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA03 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA03 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA04 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA04 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA04 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA05 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA05 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA05 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA06 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA06 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA06 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA07 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA07 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA07 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA08 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA08 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA08 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA09 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA09 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA09 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA10 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA10 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA10 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA11 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA11 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA11 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA12 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA12 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA12 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA13 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA13 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA13 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA14 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA14 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = PAREA14 ; SOURCE TYPE = AREAPOLY :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000012 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000013 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000014 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000015 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000016 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000017 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000018 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000019 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000020 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000041 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000042 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

MONTH = JANUARY ;

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = FEBRUARY ;

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = MARCH ;

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = APRIL ;

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = MAY ;

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000043 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000044 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000045 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000046 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000047 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000048 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000049 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000050 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000051 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000021 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000022 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000023 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000024 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000025 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000026 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000027 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000028 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000029 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000030 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000031 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = JANUARY ;

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = FEBRUARY ;

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = MARCH ;

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = APRIL ;

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = MAY ;

DAY OF WEEK = WEEKDAY

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000032 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000033 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000034 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000035 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000036 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000037 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -

MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000038 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000039 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -

MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00

MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000040 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000052 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000053 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000054 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000055 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000056 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000057 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

MONTH = JANUARY ;

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = FEBRUARY ;

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = MARCH ;

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = APRIL ;

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00
5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.1000E+01	19	.1000E+01	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

MONTH = MAY ;

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000058 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000059 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000060 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000061 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000062 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000063 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000064 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000065 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000066 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000067 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000068 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000069 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000070 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JUNE     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = JULY     ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = AUGUST   ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = SEPTEMBER;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = OCTOBER  ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                 MONTH = NOVEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .1000E+01
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01
13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .1000E+01 18 .1000E+01 19 .1000E+01 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .1000E+01
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01
13  .1000E+01   14  .1000E+01   15  .1000E+01   16  .1000E+01
   17  .1000E+01   18  .1000E+01   19  .1000E+01   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

* SOURCE EMISSION RATE SCALARS WHICH VARY
MONTHLY, DIURNALLY AND BY DAY OF WEEK (MHRDOW) *

SOURCE ID = A0000071 ; SOURCE TYPE = AREA :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
- -
MONTH = JANUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = FEBRUARY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MARCH ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = APRIL ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00
5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00
13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00
21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
MONTH = MAY ;
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00

```
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JUNE     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = JULY     ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = AUGUST   ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = SEPTEMBER;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = OCTOBER  ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = NOVEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
```

```
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
                                                MONTH = DECEMBER ;
DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00
5  .0000E+00    6  .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00
13  .0000E+00   14  .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00
21  .0000E+00   22  .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE
CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD,
ZELEV, ZHILL, ZFLAG)

(METERS)

(594085.3, 4130209.2, 46.0, 46.0, 1.8);
(594132.1, 4130211.1, 45.9, 45.9, 1.8);
(593821.1, 4129734.1, 47.8, 47.8, 1.8);
(593871.1, 4129734.1, 49.0, 49.0, 1.8);
(593921.1, 4129734.1, 48.9, 48.9, 1.8);
(593971.1, 4129734.1, 49.0, 49.0, 1.8);
(594021.1, 4129734.1, 48.5, 48.5, 1.8);
(594071.1, 4129734.1, 48.2, 48.2, 1.8);
(594121.1, 4129734.1, 48.0, 48.0, 1.8);
(594171.1, 4129734.1, 48.0, 48.0, 1.8);
(594221.1, 4129734.1, 47.9, 47.9, 1.8);
(594271.1, 4129734.1, 47.8, 47.8, 1.8);
(594321.1, 4129734.1, 47.6, 47.6, 1.8);
(594371.1, 4129734.1, 47.8, 47.8, 1.8);
(594421.1, 4129734.1, 47.7, 47.7, 1.8);
(594471.1, 4129734.1, 47.8, 47.8, 1.8);
(594521.1, 4129734.1, 47.8, 47.8, 1.8);
(594571.1, 4129734.1, 47.9, 47.9, 1.8);
(594621.1, 4129734.1, 48.2, 48.2, 1.8);
(594671.1, 4129734.1, 48.1, 48.1, 1.8);
(594721.1, 4129734.1, 49.2, 49.2, 1.8);
(594771.1, 4129734.1, 48.0, 48.0, 1.8);
(594821.1, 4129734.1, 48.3, 48.3, 1.8);
(593821.1, 4129784.1, 47.8, 47.8, 1.8);
(593871.1, 4129784.1, 48.9, 48.9, 1.8);
(593921.1, 4129784.1, 48.4, 48.4, 1.8);
(593971.1, 4129784.1, 48.7, 48.7, 1.8);
(594021.1, 4129784.1, 48.3, 48.3, 1.8);
(594071.1, 4129784.1, 48.1, 48.1, 1.8);
(594121.1, 4129784.1, 48.1, 48.1, 1.8);
(594171.1, 4129784.1, 48.0, 48.0, 1.8);
(594221.1, 4129784.1, 47.9, 47.9, 1.8);
(594271.1, 4129784.1, 47.7, 47.7, 1.8);
(594321.1, 4129784.1, 47.8, 47.8, 1.8);
(594371.1, 4129784.1, 47.4, 47.4, 1.8);
(594421.1, 4129784.1, 47.4, 47.4, 1.8);

```
     ( 594471.1, 4129784.1,      47.2,      47.2,       1.8);
( 594521.1, 4129784.1,      47.3,      47.3,       1.8);
     ( 594571.1, 4129784.1,      47.3,      47.3,       1.8);
( 594621.1, 4129784.1,      47.6,      47.6,       1.8);
     ( 594671.1, 4129784.1,      47.8,      47.8,       1.8);
( 594721.1, 4129784.1,      48.2,      48.2,       1.8);
     ( 594771.1, 4129784.1,      47.7,      47.7,       1.8);
( 594821.1, 4129784.1,      48.1,      48.1,       1.8);
     ( 593821.1, 4129834.1,      47.4,      47.4,       1.8);
( 593871.1, 4129834.1,      48.6,      48.6,       1.8);
     ( 593921.1, 4129834.1,      48.0,      48.0,       1.8);
( 593971.1, 4129834.1,      48.0,      48.0,       1.8);
     ( 594021.1, 4129834.1,      48.1,      48.6,       1.8);
( 594071.1, 4129834.1,      48.1,      48.1,       1.8);
     ( 594121.1, 4129834.1,      48.1,      48.1,       1.8);
( 594171.1, 4129834.1,      47.8,      47.8,       1.8);
     ( 594221.1, 4129834.1,      47.1,      47.1,       1.8);
( 594271.1, 4129834.1,      47.2,      47.2,       1.8);
     ( 594321.1, 4129834.1,      46.9,      46.9,       1.8);
( 594371.1, 4129834.1,      47.0,      47.0,       1.8);
     ( 594421.1, 4129834.1,      47.0,      47.0,       1.8);
( 594471.1, 4129834.1,      47.1,      47.1,       1.8);
     ( 594521.1, 4129834.1,      47.1,      47.1,       1.8);
( 594571.1, 4129834.1,      47.2,      47.2,       1.8);
     ( 594621.1, 4129834.1,      47.2,      47.2,       1.8);
( 594671.1, 4129834.1,      47.3,      47.3,       1.8);
     ( 594721.1, 4129834.1,      47.5,      47.5,       1.8);
( 594771.1, 4129834.1,      47.4,      47.4,       1.8);
     ( 594821.1, 4129834.1,      47.8,      47.8,       1.8);
( 593821.1, 4129884.1,      47.1,      47.1,       1.8);
     ( 593871.1, 4129884.1,      48.3,      48.3,       1.8);
( 593921.1, 4129884.1,      47.9,      47.9,       1.8);
     ( 593971.1, 4129884.1,      47.5,      47.5,       1.8);
( 594021.1, 4129884.1,      47.6,      47.6,       1.8);
     ( 594071.1, 4129884.1,      47.6,      47.6,       1.8);
( 594121.1, 4129884.1,      47.4,      47.4,       1.8);
     ( 594171.1, 4129884.1,      47.6,      47.6,       1.8);
( 594221.1, 4129884.1,      47.8,      47.8,       1.8);
     ( 594271.1, 4129884.1,      47.0,      47.0,       1.8);
( 594321.1, 4129884.1,      47.1,      47.1,       1.8);
     ( 594371.1, 4129884.1,      47.3,      47.3,       1.8);
( 594421.1, 4129884.1,      47.0,      47.0,       1.8);
     ( 594471.1, 4129884.1,      46.8,      46.8,       1.8);
( 594521.1, 4129884.1,      46.8,      46.8,       1.8);
     ( 594571.1, 4129884.1,      47.0,      47.0,       1.8);
( 594621.1, 4129884.1,      47.3,      47.3,       1.8);
     ( 594671.1, 4129884.1,      47.2,      47.2,       1.8);
( 594721.1, 4129884.1,      47.3,      47.3,       1.8);
     ( 594771.1, 4129884.1,      47.2,      47.2,       1.8);
( 594821.1, 4129884.1,      47.2,      47.2,       1.8);
     ( 593821.1, 4129934.1,      47.0,      47.0,       1.8);
( 593871.1, 4129934.1,      48.0,      48.0,       1.8);
```

```
     ( 593921.1, 4129934.1,      47.8,      47.8,       1.8);
( 593971.1, 4129934.1,      47.3,      47.3,       1.8);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE
CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD,
ZELEV, ZHILL, ZFLAG)

(METERS)

(594021.1, 4129934.1, 47.2, 47.2, 1.8);
(594071.1, 4129934.1, 47.3, 47.3, 1.8);
(594121.1, 4129934.1, 47.5, 47.5, 1.8);
(594171.1, 4129934.1, 46.8, 46.8, 1.8);
(594221.1, 4129934.1, 47.2, 47.2, 1.8);
(594271.1, 4129934.1, 46.9, 46.9, 1.8);
(594321.1, 4129934.1, 47.1, 47.1, 1.8);
(594371.1, 4129934.1, 46.8, 46.8, 1.8);
(594421.1, 4129934.1, 46.8, 46.8, 1.8);
(594471.1, 4129934.1, 46.7, 46.7, 1.8);
(594521.1, 4129934.1, 46.8, 46.8, 1.8);
(594571.1, 4129934.1, 46.9, 46.9, 1.8);
(594621.1, 4129934.1, 46.7, 46.7, 1.8);
(594671.1, 4129934.1, 46.7, 46.7, 1.8);
(594721.1, 4129934.1, 47.1, 47.1, 1.8);
(594771.1, 4129934.1, 46.6, 46.6, 1.8);
(594821.1, 4129934.1, 46.5, 46.5, 1.8);
(593821.1, 4129984.1, 46.6, 46.6, 1.8);
(593871.1, 4129984.1, 47.6, 47.6, 1.8);
(593921.1, 4129984.1, 47.5, 47.5, 1.8);
(593971.1, 4129984.1, 46.8, 46.8, 1.8);
(594021.1, 4129984.1, 47.4, 47.4, 1.8);
(594071.1, 4129984.1, 46.7, 46.7, 1.8);
(594121.1, 4129984.1, 46.7, 46.7, 1.8);
(594171.1, 4129984.1, 46.7, 46.7, 1.8);
(594221.1, 4129984.1, 46.9, 46.9, 1.8);
(594271.1, 4129984.1, 46.9, 46.9, 1.8);
(594321.1, 4129984.1, 46.9, 46.9, 1.8);
(594371.1, 4129984.1, 46.8, 46.8, 1.8);
(594421.1, 4129984.1, 46.8, 46.8, 1.8);
(594471.1, 4129984.1, 46.8, 46.8, 1.8);
(594521.1, 4129984.1, 46.9, 46.9, 1.8);
(594571.1, 4129984.1, 46.8, 46.8, 1.8);
(594621.1, 4129984.1, 46.6, 46.6, 1.8);
(594671.1, 4129984.1, 46.2, 46.2, 1.8);
(594721.1, 4129984.1, 46.8, 46.8, 1.8);

```
     ( 594771.1, 4129984.1,      46.1,      46.1,       1.8);
( 594821.1, 4129984.1,      46.1,      46.1,       1.8);
     ( 593821.1, 4130034.1,      46.3,      46.3,       1.8);
( 593871.1, 4130034.1,      47.2,      47.2,       1.8);
     ( 593921.1, 4130034.1,      47.1,      47.1,       1.8);
( 593971.1, 4130034.1,      46.5,      46.5,       1.8);
     ( 594021.1, 4130034.1,      46.8,      46.8,       1.8);
( 594071.1, 4130034.1,      46.6,      46.6,       1.8);
     ( 594121.1, 4130034.1,      46.6,      46.6,       1.8);
( 594171.1, 4130034.1,      46.4,      46.4,       1.8);
     ( 594221.1, 4130034.1,      46.4,      46.4,       1.8);
( 594271.1, 4130034.1,      45.7,      45.7,       1.8);
     ( 594321.1, 4130034.1,      46.0,      46.0,       1.8);
( 594371.1, 4130034.1,      46.1,      46.1,       1.8);
     ( 594421.1, 4130034.1,      46.1,      46.1,       1.8);
( 594471.1, 4130034.1,      46.2,      46.2,       1.8);
     ( 594521.1, 4130034.1,      46.6,      46.6,       1.8);
( 594571.1, 4130034.1,      46.6,      46.6,       1.8);
     ( 594621.1, 4130034.1,      46.1,      46.1,       1.8);
( 594671.1, 4130034.1,      45.8,      45.8,       1.8);
     ( 594721.1, 4130034.1,      46.2,      46.2,       1.8);
( 594771.1, 4130034.1,      46.0,      46.0,       1.8);
     ( 594821.1, 4130034.1,      45.5,      45.5,       1.8);
( 593821.1, 4130084.1,      46.0,      46.0,       1.8);
     ( 593871.1, 4130084.1,      47.0,      47.0,       1.8);
( 593921.1, 4130084.1,      46.4,      46.4,       1.8);
     ( 593971.1, 4130084.1,      46.6,      46.6,       1.8);
( 594021.1, 4130084.1,      46.3,      46.3,       1.8);
     ( 594071.1, 4130084.1,      46.1,      46.1,       1.8);
( 594121.1, 4130084.1,      46.1,      46.1,       1.8);
     ( 594271.1, 4130084.1,      46.8,      46.8,       1.8);
( 594321.1, 4130084.1,      46.5,      46.5,       1.8);
     ( 594371.1, 4130084.1,      45.9,      45.9,       1.8);
( 594421.1, 4130084.1,      45.8,      45.8,       1.8);
     ( 594471.1, 4130084.1,      46.1,      46.1,       1.8);
( 594521.1, 4130084.1,      46.6,      46.6,       1.8);
     ( 594571.1, 4130084.1,      46.2,      46.2,       1.8);
( 594621.1, 4130084.1,      45.6,      45.6,       1.8);
     ( 594671.1, 4130084.1,      45.4,      45.4,       1.8);
( 594721.1, 4130084.1,      45.5,      45.5,       1.8);
     ( 594771.1, 4130084.1,      45.3,      45.3,       1.8);
( 594821.1, 4130084.1,      45.2,      45.2,       1.8);
     ( 593821.1, 4130134.1,      45.8,      45.8,       1.8);
( 593871.1, 4130134.1,      46.6,      46.6,       1.8);
     ( 593921.1, 4130134.1,      46.1,      46.1,       1.8);
( 593971.1, 4130134.1,      46.3,      46.3,       1.8);
     ( 594021.1, 4130134.1,      46.2,      46.2,       1.8);
( 594071.1, 4130134.1,      46.0,      46.0,       1.8);
     ( 594121.1, 4130134.1,      46.1,      46.1,       1.8);
( 594271.1, 4130134.1,      46.2,      46.2,       1.8);
     ( 594321.1, 4130134.1,      45.8,      45.8,       1.8);
( 594371.1, 4130134.1,      45.4,      45.4,       1.8);
```

```
     ( 594421.1, 4130134.1,      46.5,      46.5,       1.8);
( 594471.1, 4130134.1,      45.8,      45.8,       1.8);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

```
     ( 594521.1, 4130134.1,      45.8,      45.8,       1.8);
( 594571.1, 4130134.1,      45.8,      45.8,       1.8);
     ( 594621.1, 4130134.1,      45.4,      45.4,       1.8);
( 594671.1, 4130134.1,      45.0,      45.0,       1.8);
     ( 594721.1, 4130134.1,      45.5,      45.5,       1.8);
( 594771.1, 4130134.1,      45.0,      45.0,       1.8);
     ( 594821.1, 4130134.1,      44.7,      44.7,       1.8);
( 593821.1, 4130184.1,      45.6,      45.6,       1.8);
     ( 593871.1, 4130184.1,      46.4,      46.4,       1.8);
( 593921.1, 4130184.1,      46.7,      46.7,       1.8);
     ( 593971.1, 4130184.1,      46.2,      46.2,       1.8);
( 594021.1, 4130184.1,      46.1,      46.1,       1.8);
     ( 594071.1, 4130184.1,      46.0,      46.0,       1.8);
( 594121.1, 4130184.1,      46.2,      46.2,       1.8);
     ( 594171.1, 4130184.1,      45.8,      45.8,       1.8);
( 594221.1, 4130184.1,      45.4,      45.4,       1.8);
     ( 594271.1, 4130184.1,      45.5,      45.5,       1.8);
( 594321.1, 4130184.1,      45.2,      45.2,       1.8);
     ( 594371.1, 4130184.1,      45.1,      45.1,       1.8);
( 594421.1, 4130184.1,      46.4,      46.4,       1.8);
     ( 594471.1, 4130184.1,      46.8,      46.8,       1.8);
( 594521.1, 4130184.1,      46.6,      46.6,       1.8);
     ( 594571.1, 4130184.1,      46.1,      46.1,       1.8);
( 594621.1, 4130184.1,      44.8,      44.8,       1.8);
     ( 594671.1, 4130184.1,      44.6,      44.6,       1.8);
( 594721.1, 4130184.1,      44.6,      44.6,       1.8);
     ( 594771.1, 4130184.1,      44.6,      44.6,       1.8);
( 594821.1, 4130184.1,      44.3,      44.3,       1.8);
     ( 593821.1, 4130234.1,      45.3,      45.3,       1.8);
( 593871.1, 4130234.1,      46.9,      46.9,       1.8);
     ( 593921.1, 4130234.1,      48.0,      48.0,       1.8);
( 593971.1, 4130234.1,      45.6,      45.6,       1.8);
     ( 594021.1, 4130234.1,      45.9,      45.9,       1.8);
( 594071.1, 4130234.1,      46.1,      46.1,       1.8);
     ( 594121.1, 4130234.1,      45.9,      45.9,       1.8);
( 594171.1, 4130234.1,      45.2,      45.9,       1.8);
```

```
     ( 594221.1, 4130234.1,      45.3,      45.3,       1.8);
( 594371.1, 4130234.1,      44.8,      44.8,       1.8);
     ( 594421.1, 4130234.1,      46.0,      46.0,       1.8);
( 594471.1, 4130234.1,      45.9,      45.9,       1.8);
     ( 594521.1, 4130234.1,      46.5,      46.5,       1.8);
( 594571.1, 4130234.1,      45.8,      45.8,       1.8);
     ( 594621.1, 4130234.1,      44.7,      44.7,       1.8);
( 594671.1, 4130234.1,      44.1,      44.1,       1.8);
     ( 594721.1, 4130234.1,      44.5,      44.5,       1.8);
( 594771.1, 4130234.1,      44.0,      44.0,       1.8);
     ( 594821.1, 4130234.1,      44.0,      44.0,       1.8);
( 593821.1, 4130284.1,      45.0,      48.3,       1.8);
     ( 593871.1, 4130284.1,      48.1,      48.1,       1.8);
( 593921.1, 4130284.1,      49.6,      49.6,       1.8);
     ( 593971.1, 4130284.1,      45.7,      45.7,       1.8);
( 594021.1, 4130284.1,      45.2,      45.2,       1.8);
     ( 594071.1, 4130284.1,      44.7,      44.7,       1.8);
( 594121.1, 4130284.1,      44.3,      44.3,       1.8);
     ( 594171.1, 4130284.1,      44.3,      44.3,       1.8);
( 594221.1, 4130284.1,      44.3,      44.3,       1.8);
     ( 594271.1, 4130284.1,      44.7,      44.7,       1.8);
( 594321.1, 4130284.1,      44.7,      44.7,       1.8);
     ( 594371.1, 4130284.1,      44.5,      44.5,       1.8);
( 594421.1, 4130284.1,      45.9,      45.9,       1.8);
     ( 594471.1, 4130284.1,      45.9,      45.9,       1.8);
( 594521.1, 4130284.1,      47.0,      47.0,       1.8);
     ( 594571.1, 4130284.1,      44.4,      44.4,       1.8);
( 594621.1, 4130284.1,      43.8,      43.8,       1.8);
     ( 594671.1, 4130284.1,      43.8,      43.8,       1.8);
( 594721.1, 4130284.1,      43.8,      43.8,       1.8);
     ( 594771.1, 4130284.1,      43.7,      43.7,       1.8);
( 594821.1, 4130284.1,      43.4,      43.4,       1.8);
     ( 593821.1, 4130334.1,      45.0,      51.0,       1.8);
( 593871.1, 4130334.1,      49.4,      49.4,       1.8);
     ( 593921.1, 4130334.1,      51.0,      51.0,       1.8);
( 593971.1, 4130334.1,      44.8,      52.6,       1.8);
     ( 594021.1, 4130334.1,      45.2,      45.2,       1.8);
( 594071.1, 4130334.1,      44.5,      44.5,       1.8);
     ( 594121.1, 4130334.1,      44.1,      44.1,       1.8);
( 594171.1, 4130334.1,      43.6,      43.6,       1.8);
     ( 594221.1, 4130334.1,      43.8,      43.8,       1.8);
( 594271.1, 4130334.1,      43.7,      43.7,       1.8);
     ( 594321.1, 4130334.1,      43.8,      43.8,       1.8);
( 594371.1, 4130334.1,      44.2,      44.2,       1.8);
     ( 594421.1, 4130334.1,      44.7,      44.7,       1.8);
( 594471.1, 4130334.1,      45.8,      45.8,       1.8);
     ( 594521.1, 4130334.1,      44.9,      44.9,       1.8);
( 594571.1, 4130334.1,      44.0,      44.0,       1.8);
     ( 594621.1, 4130334.1,      43.9,      43.9,       1.8);
( 594671.1, 4130334.1,      43.3,      43.3,       1.8);
     ( 594721.1, 4130334.1,      43.6,      43.6,       1.8);
( 594771.1, 4130334.1,      43.5,      43.5,       1.8);
```

```
     ( 594821.1, 4130334.1,      43.1,      43.1,       1.8);
( 593821.1, 4130384.1,      44.6,      54.3,       1.8);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(593871.1, 4130384.1, 50.3, 51.4, 1.8);
(593921.1, 4130384.1, 52.5, 52.5, 1.8);
(593971.1, 4130384.1, 45.1, 52.9, 1.8);
(594021.1, 4130384.1, 44.7, 44.7, 1.8);
(594071.1, 4130384.1, 44.3, 44.3, 1.8);
(594121.1, 4130384.1, 43.9, 43.9, 1.8);
(594171.1, 4130384.1, 43.9, 43.9, 1.8);
(594221.1, 4130384.1, 43.8, 43.8, 1.8);
(594271.1, 4130384.1, 43.6, 43.6, 1.8);
(594321.1, 4130384.1, 43.7, 43.7, 1.8);
(594371.1, 4130384.1, 43.8, 43.8, 1.8);
(594421.1, 4130384.1, 44.0, 44.0, 1.8);
(594471.1, 4130384.1, 44.4, 44.4, 1.8);
(594521.1, 4130384.1, 43.5, 43.5, 1.8);
(594571.1, 4130384.1, 43.3, 43.3, 1.8);
(594621.1, 4130384.1, 43.0, 43.0, 1.8);
(594671.1, 4130384.1, 43.0, 43.0, 1.8);
(594721.1, 4130384.1, 43.6, 43.6, 1.8);
(594771.1, 4130384.1, 43.2, 43.2, 1.8);
(594821.1, 4130384.1, 42.9, 42.9, 1.8);
(593821.1, 4130434.1, 50.2, 54.3, 1.8);
(593871.1, 4130434.1, 50.5, 54.3, 1.8);
(593921.1, 4130434.1, 51.6, 51.6, 1.8);
(593971.1, 4130434.1, 44.8, 52.9, 1.8);
(594021.1, 4130434.1, 44.7, 44.7, 1.8);
(594071.1, 4130434.1, 44.1, 44.1, 1.8);
(594121.1, 4130434.1, 43.8, 43.8, 1.8);
(594171.1, 4130434.1, 43.7, 43.7, 1.8);
(594221.1, 4130434.1, 44.1, 44.1, 1.8);
(594271.1, 4130434.1, 43.9, 43.9, 1.8);
(594321.1, 4130434.1, 43.8, 43.8, 1.8);
(594371.1, 4130434.1, 43.1, 43.1, 1.8);
(594421.1, 4130434.1, 43.3, 43.3, 1.8);
(594471.1, 4130434.1, 43.3, 43.3, 1.8);
(594521.1, 4130434.1, 43.2, 43.2, 1.8);
(594571.1, 4130434.1, 42.9, 42.9, 1.8);

```
     ( 594621.1, 4130434.1,      43.1,      43.1,       1.8);
( 594671.1, 4130434.1,      42.5,      42.5,       1.8);
     ( 594721.1, 4130434.1,      42.6,      42.6,       1.8);
( 594771.1, 4130434.1,      42.8,      42.8,       1.8);
     ( 594821.1, 4130434.1,      42.8,      42.8,       1.8);
( 593821.1, 4130484.1,      45.9,      54.3,       1.8);
     ( 593871.1, 4130484.1,      48.1,      54.3,       1.8);
( 593921.1, 4130484.1,      50.3,      50.3,       1.8);
     ( 593971.1, 4130484.1,      45.0,      52.4,       1.8);
( 594021.1, 4130484.1,      44.7,      44.7,       1.8);
     ( 594071.1, 4130484.1,      43.9,      43.9,       1.8);
( 594121.1, 4130484.1,      43.8,      43.8,       1.8);
     ( 594171.1, 4130484.1,      43.4,      43.4,       1.8);
( 594221.1, 4130484.1,      43.2,      43.2,       1.8);
     ( 594271.1, 4130484.1,      42.8,      42.8,       1.8);
( 594321.1, 4130484.1,      42.8,      42.8,       1.8);
     ( 594371.1, 4130484.1,      42.7,      42.7,       1.8);
( 594421.1, 4130484.1,      42.6,      42.6,       1.8);
     ( 594471.1, 4130484.1,      42.6,      42.6,       1.8);
( 594521.1, 4130484.1,      42.6,      42.6,       1.8);
     ( 594571.1, 4130484.1,      42.5,      42.5,       1.8);
( 594621.1, 4130484.1,      42.3,      42.3,       1.8);
     ( 594671.1, 4130484.1,      42.3,      42.3,       1.8);
( 594721.1, 4130484.1,      42.4,      42.4,       1.8);
     ( 594771.1, 4130484.1,      42.5,      42.5,       1.8);
( 594821.1, 4130484.1,      42.4,      42.4,       1.8);
     ( 593821.1, 4130534.1,      44.9,      44.9,       1.8);
( 593871.1, 4130534.1,      48.4,      48.4,       1.8);
     ( 593921.1, 4130534.1,      49.7,      49.7,       1.8);
( 593971.1, 4130534.1,      47.6,      47.6,       1.8);
     ( 594021.1, 4130534.1,      44.0,      44.0,       1.8);
( 594071.1, 4130534.1,      43.6,      43.6,       1.8);
     ( 594121.1, 4130534.1,      43.4,      43.4,       1.8);
( 594171.1, 4130534.1,      42.8,      42.8,       1.8);
     ( 594221.1, 4130534.1,      42.6,      42.6,       1.8);
( 594271.1, 4130534.1,      42.2,      42.2,       1.8);
     ( 594321.1, 4130534.1,      42.3,      42.3,       1.8);
( 594371.1, 4130534.1,      42.0,      42.0,       1.8);
     ( 594421.1, 4130534.1,      41.8,      41.8,       1.8);
( 594471.1, 4130534.1,      41.9,      41.9,       1.8);
     ( 594521.1, 4130534.1,      41.8,      41.8,       1.8);
( 594571.1, 4130534.1,      41.2,      41.2,       1.8);
     ( 594621.1, 4130534.1,      39.9,      42.4,       1.8);
( 594671.1, 4130534.1,      35.5,      42.6,       1.8);
     ( 594721.1, 4130534.1,      36.1,      42.7,       1.8);
( 594771.1, 4130534.1,      34.6,      42.7,       1.8);
     ( 594821.1, 4130534.1,      34.1,      42.7,       1.8);
( 593821.1, 4130584.1,      41.8,      49.0,       1.8);
     ( 593871.1, 4130584.1,      41.0,      50.2,       1.8);
( 593921.1, 4130584.1,      40.8,      50.6,       1.8);
     ( 593971.1, 4130584.1,      40.9,      50.6,       1.8);
( 594021.1, 4130584.1,      41.1,      45.3,       1.8);
```

```
     ( 594071.1, 4130584.1,      40.2,      43.4,       1.8);
( 594121.1, 4130584.1,      39.7,      43.1,       1.8);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(594171.1, 4130584.1, 39.2, 43.0, 1.8);
(594221.1, 4130584.1, 38.7, 43.0, 1.8);
(594271.1, 4130584.1, 38.0, 42.3, 1.8);
(594321.1, 4130584.1, 35.9, 42.7, 1.8);
(594371.1, 4130584.1, 35.3, 42.8, 1.8);
(594421.1, 4130584.1, 34.0, 42.7, 1.8);
(594471.1, 4130584.1, 33.3, 42.7, 1.8);
(594521.1, 4130584.1, 33.4, 42.7, 1.8);
(594571.1, 4130584.1, 33.6, 42.5, 1.8);
(594621.1, 4130584.1, 33.6, 42.5, 1.8);
(594671.1, 4130584.1, 33.5, 42.6, 1.8);
(594721.1, 4130584.1, 33.2, 42.7, 1.8);
(594771.1, 4130584.1, 32.9, 42.7, 1.8);
(594821.1, 4130584.1, 32.6, 42.7, 1.8);
(593821.1, 4130634.1, 44.3, 44.3, 1.8);
(593871.1, 4130634.1, 47.3, 47.3, 1.8);
(593921.1, 4130634.1, 46.6, 48.0, 1.8);
(593971.1, 4130634.1, 41.9, 48.0, 1.8);
(594021.1, 4130634.1, 41.2, 49.1, 1.8);
(594071.1, 4130634.1, 40.3, 49.1, 1.8);
(594121.1, 4130634.1, 39.1, 49.1, 1.8);
(594171.1, 4130634.1, 37.5, 49.1, 1.8);
(594221.1, 4130634.1, 36.1, 42.2, 1.8);
(594271.1, 4130634.1, 35.3, 42.1, 1.8);
(594321.1, 4130634.1, 34.3, 42.1, 1.8);
(594371.1, 4130634.1, 34.2, 42.3, 1.8);
(594421.1, 4130634.1, 34.2, 41.7, 1.8);
(594471.1, 4130634.1, 34.5, 41.2, 1.8);
(594521.1, 4130634.1, 35.1, 41.2, 1.8);
(594571.1, 4130634.1, 40.0, 40.0, 1.8);
(594621.1, 4130634.1, 41.0, 41.0, 1.8);
(594671.1, 4130634.1, 40.7, 40.7, 1.8);
(594721.1, 4130634.1, 40.8, 40.8, 1.8);
(594771.1, 4130634.1, 40.6, 40.6, 1.8);
(594821.1, 4130634.1, 40.7, 40.7, 1.8);
(593821.1, 4130684.1, 43.5, 43.5, 1.8);

```
     ( 593871.1, 4130684.1,      46.1,      46.1,       1.8);
( 593921.1, 4130684.1,      46.9,      46.9,       1.8);
     ( 593971.1, 4130684.1,      43.8,      43.8,       1.8);
( 594021.1, 4130684.1,      41.5,      49.1,       1.8);
     ( 594071.1, 4130684.1,      47.1,      49.1,       1.8);
( 594121.1, 4130684.1,      45.3,      47.1,       1.8);
     ( 594171.1, 4130684.1,      41.8,      41.8,       1.8);
( 594221.1, 4130684.1,      40.9,      40.9,       1.8);
     ( 594271.1, 4130684.1,      40.7,      40.7,       1.8);
( 594321.1, 4130684.1,      40.7,      40.7,       1.8);
     ( 594371.1, 4130684.1,      40.8,      40.8,       1.8);
( 594421.1, 4130684.1,      40.9,      40.9,       1.8);
     ( 594471.1, 4130684.1,      40.6,      40.6,       1.8);
( 594521.1, 4130684.1,      40.6,      40.6,       1.8);
     ( 594571.1, 4130684.1,      40.5,      40.5,       1.8);
( 594621.1, 4130684.1,      40.5,      40.5,       1.8);
     ( 594671.1, 4130684.1,      40.3,      40.3,       1.8);
( 594721.1, 4130684.1,      40.1,      40.1,       1.8);
     ( 594771.1, 4130684.1,      39.9,      39.9,       1.8);
( 594821.1, 4130684.1,      40.1,      40.1,       1.8);
     ( 593821.1, 4130734.1,      43.0,      43.0,       1.8);
( 593871.1, 4130734.1,      45.4,      45.4,       1.8);
     ( 593921.1, 4130734.1,      45.8,      45.8,       1.8);
( 593971.1, 4130734.1,      44.6,      44.6,       1.8);
     ( 594021.1, 4130734.1,      43.0,      43.0,       1.8);
( 594071.1, 4130734.1,      42.5,      49.1,       1.8);
     ( 594121.1, 4130734.1,      41.9,      49.1,       1.8);
( 594171.1, 4130734.1,      40.9,      40.9,       1.8);
     ( 594221.1, 4130734.1,      40.4,      40.4,       1.8);
( 594271.1, 4130734.1,      40.5,      40.5,       1.8);
     ( 594321.1, 4130734.1,      40.7,      40.7,       1.8);
( 594371.1, 4130734.1,      40.5,      40.5,       1.8);
     ( 594421.1, 4130734.1,      40.4,      40.4,       1.8);
( 594471.1, 4130734.1,      40.2,      40.2,       1.8);
     ( 594521.1, 4130734.1,      40.2,      40.2,       1.8);
( 594571.1, 4130734.1,      40.1,      40.1,       1.8);
     ( 594621.1, 4130734.1,      40.0,      40.0,       1.8);
( 594671.1, 4130734.1,      40.1,      40.1,       1.8);
     ( 594721.1, 4130734.1,      39.9,      39.9,       1.8);
( 594771.1, 4130734.1,      39.5,      39.5,       1.8);
     ( 594821.1, 4130734.1,      39.4,      39.4,       1.8);
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***

(1=YES; 0=NO)

```
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: C:\Users\sjremote\Desktop \KSJC_SanJoseInt_AERMOD_Met-Data\KSJC_Complied.sfc Met Version: 18081
Profile file: C:\Users\sjremote\Desktop \KSJC_SanJoseInt_AERMOD_Met-Data\KSJC_Complied.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23293 Upper air station no.: 23230
Name: SAN_JOSE_INTERNATIONAL_AIRPORT_(KSJC) Name: OAKLAND/WSO_AP
Year: 2013 Year: 2013

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
13	01	01	1	01	-17.4	0.169	-9.000	-9.000	-999.	167.	31.4	0.02	2.57	1.00	2.62	136.	7.9	277.0	2.0
13	01	01	1	02	-12.5	0.137	-9.000	-9.000	-999.	122.	20.8	0.02	2.57	1.00	2.16	129.	7.9	277.0	2.0
13	01	01	1	03	-4.1	0.080	-9.000	-9.000	-999.	55.	11.3	0.05	2.57	1.00	1.14	227.	7.9	276.4	2.0
13	01	01	1	04	-6.8	0.103	-9.000	-9.000	-999.	80.	14.8	0.05	2.57	1.00	1.43	102.	7.9	276.4	2.0
13	01	01	1	05	-10.0	0.126	-9.000	-9.000	-999.	108.	18.3	0.05	2.57	1.00	1.72	79.	7.9	277.0	2.0
13	01	01	1	06	-6.3	0.096	-9.000	-9.000	-999.	71.	12.8	0.02	2.57	1.00	1.55	153.	7.9	277.5	2.0
13	01	01	1	07	-2.4	0.062	-9.000	-9.000	-999.	37.	9.0	0.02	2.57	1.00	0.92	171.	7.9	277.5	2.0
13	01	01	1	08	-7.0	0.105	-9.000	-9.000	-999.	82.	15.0	0.05	2.57	0.74	1.45	6.	7.9	277.5	2.0
13	01	01	1	09	-0.3	0.039	-9.000	-9.000	-999.	21.	19.3	0.02	2.57	0.39	0.62	119.	7.9	279.2	2.0
13	01	01	1	10	65.7	0.147	0.659	0.005	159.	135.	-4.4	0.05	2.57	0.27	1.37	228.	7.9	280.9	2.0
13	01	01	1	11	118.0	0.197	1.211	0.006	550.	209.	-5.9								

```
0.05   2.57   0.23    1.91  208.    7.9  281.4    2.0
 13 01 01   1 12  147.9  0.180  1.536  0.008  894.  184.     -3.6
0.05   2.57   0.21    1.64  225.    7.9  283.1    2.0
 13 01 01   1 13  152.7  0.150  1.579  0.007  941.  139.     -2.0
0.02   2.57   0.21    1.54  302.    7.9  283.8    2.0
 13 01 01   1 14  132.9  0.201  1.528  0.006  980.  216.     -5.6
0.05   2.57   0.22    1.94  277.    7.9  284.9    2.0
 13 01 01   1 15   89.1  0.138  1.349  0.005 1005.  124.     -2.7
0.02   2.57   0.25    1.48  308.    7.9  285.4    2.0
 13 01 01   1 16   25.1  0.174  0.887  0.005 1012.  174.    -19.0
0.05   2.57   0.33    1.86   10.    7.9  285.4    2.0
 13 01 01   1 17  -18.7  0.221 -9.000 -9.000 -999.  249.     53.5
0.05   2.57   0.57    2.89   12.    7.9  283.8    2.0
 13 01 01   1 18  -15.5  0.159 -9.000 -9.000 -999.  153.     27.9
0.05   2.57   1.00    2.13  353.    7.9  282.5    2.0
 13 01 01   1 19  -18.6  0.183 -9.000 -9.000 -999.  188.     36.9
0.05   2.57   1.00    2.50  225.    7.9  280.9    2.0
 13 01 01   1 20   -4.1  0.078 -9.000 -9.000 -999.   59.     10.5
0.02   2.57   1.00    1.26  136.    7.9  280.4    2.0
 13 01 01   1 21  -11.8  0.133 -9.000 -9.000 -999.  117.     19.6
0.02   2.57   1.00    2.10  125.    7.9  278.8    2.0
 13 01 01   1 22   -7.6  0.106 -9.000 -9.000 -999.   83.     14.3
0.02   2.57   1.00    1.70  110.    7.9  277.5    2.0
 13 01 01   1 23   -6.2  0.095 -9.000 -9.000 -999.   71.     12.7
0.02   2.57   1.00    1.54  146.    7.9  277.0    2.0
 13 01 01   1 24  -15.2  0.152 -9.000 -9.000 -999.  142.     25.4
0.02   2.57   1.00    2.37  130.    7.9  277.0    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW
sigmaV
 13 01 01 01    7.9 1  136.    2.62   277.1
99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ALL ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 ,
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.05107	594132.05	4130211.12	0.07165
593821.07	4129734.14	0.00061	593871.07	4129734.14	0.00053
593921.07	4129734.14	0.00047	593971.07	4129734.14	0.00043
594021.07	4129734.14	0.00050	594071.07	4129734.14	0.00074
594121.07	4129734.14	0.00122	594171.07	4129734.14	0.00175
594221.07	4129734.14	0.00231	594271.07	4129734.14	0.00301
594321.07	4129734.14	0.00396	594371.07	4129734.14	0.00521
594421.07	4129734.14	0.00674	594471.07	4129734.14	0.00832
594521.07	4129734.14	0.00976	594571.07	4129734.14	0.01080
594621.07	4129734.14	0.01146	594671.07	4129734.14	0.01191

```
          594721.07    4129734.14         0.01186
594771.07    4129734.14         0.01194
          594821.07    4129734.14         0.01151
593821.07    4129784.14         0.00080
          593871.07    4129784.14         0.00073
593921.07    4129784.14         0.00068
          593971.07    4129784.14         0.00060
594021.07    4129784.14         0.00061
          594071.07    4129784.14         0.00083
594121.07    4129784.14         0.00140
          594171.07    4129784.14         0.00212
594221.07    4129784.14         0.00294
          594271.07    4129784.14         0.00406
594321.07    4129784.14         0.00561
          594371.07    4129784.14         0.00769
594421.07    4129784.14         0.00999
          594471.07    4129784.14         0.01211
594521.07    4129784.14         0.01367
          594571.07    4129784.14         0.01464
594621.07    4129784.14         0.01511
          594671.07    4129784.14         0.01515
594721.07    4129784.14         0.01469
          594771.07    4129784.14         0.01411
594821.07    4129784.14         0.01308
          593821.07    4129834.14         0.00099
593871.07    4129834.14         0.00101
          593921.07    4129834.14         0.00098
593971.07    4129834.14         0.00088
          594021.07    4129834.14         0.00082
594071.07    4129834.14         0.00099
          594121.07    4129834.14         0.00166
594171.07    4129834.14         0.00271
          594221.07    4129834.14         0.00401
594271.07    4129834.14         0.00592
          594321.07    4129834.14         0.00878
594371.07    4129834.14         0.01224
          594421.07    4129834.14         0.01552
594471.07    4129834.14         0.01785
          594521.07    4129834.14         0.01914
594571.07    4129834.14         0.01961
          594621.07    4129834.14         0.01941
594671.07    4129834.14         0.01863
          594721.07    4129834.14         0.01739
594771.07    4129834.14         0.01597
          594821.07    4129834.14         0.01444
593821.07    4129884.14         0.00114
          593871.07    4129884.14         0.00128
593921.07    4129884.14         0.00137
          593971.07    4129884.14         0.00136
594021.07    4129884.14         0.00126
          594071.07    4129884.14         0.00133
594121.07    4129884.14         0.00212
```

```
         594171.07    4129884.14        0.00366
594221.07    4129884.14        0.00580
         594271.07    4129884.14        0.00964
594321.07    4129884.14        0.01514
         594371.07    4129884.14        0.02074
594421.07    4129884.14        0.02465
         594471.07    4129884.14        0.02632
594521.07    4129884.14        0.02642
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ALL ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 ,
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.02551	594621.07	4129884.14	0.02384
594671.07	4129884.14	0.02179	594721.07	4129884.14	0.01952
594771.07	4129884.14	0.01734	594821.07	4129884.14	0.01528
593821.07	4129934.14	0.00132	593871.07	4129934.14	0.00151
593921.07	4129934.14	0.00177	593971.07	4129934.14	0.00199
594021.07	4129934.14	0.00205	594071.07	4129934.14	0.00204
594121.07	4129934.14	0.00284	594171.07	4129934.14	0.00540
594221.07	4129934.14	0.00987	594271.07	4129934.14	0.01877
594321.07	4129934.14	0.02986	594371.07	4129934.14	0.03713
594421.07	4129934.14	0.03873	594471.07	4129934.14	0.03724

```
         594521.07    4129934.14        0.03446
594571.07    4129934.14        0.03118
         594621.07    4129934.14        0.02772
594671.07    4129934.14        0.02428
         594721.07    4129934.14        0.02100
594771.07    4129934.14        0.01812
         594821.07    4129934.14        0.01549
593821.07    4129984.14        0.00165
         593871.07    4129984.14        0.00188
593921.07    4129984.14        0.00223
         593971.07    4129984.14        0.00272
594021.07    4129984.14        0.00321
         594071.07    4129984.14        0.00362
594121.07    4129984.14        0.00456
         594171.07    4129984.14        0.00917
594221.07    4129984.14        0.02209
         594271.07    4129984.14        0.04686
594321.07    4129984.14        0.06439
         594371.07    4129984.14        0.06354
594421.07    4129984.14        0.05532
         594471.07    4129984.14        0.04756
594521.07    4129984.14        0.04127
         594571.07    4129984.14        0.03575
594621.07    4129984.14        0.03063
         594671.07    4129984.14        0.02593
594721.07    4129984.14        0.02154
         594771.07    4129984.14        0.01788
594821.07    4129984.14        0.01470
         593821.07    4130034.14        0.00216
593871.07    4130034.14        0.00251
         593921.07    4130034.14        0.00303
593971.07    4130034.14        0.00381
         594021.07    4130034.14        0.00493
594071.07    4130034.14        0.00662
         594121.07    4130034.14        0.00934
594171.07    4130034.14        0.02279
         594221.07    4130034.14        0.08648
594271.07    4130034.14        0.14687
         594321.07    4130034.14        0.12392
594371.07    4130034.14        0.08711
         594421.07    4130034.14        0.06617
594471.07    4130034.14        0.05550
         594521.07    4130034.14        0.04742
594571.07    4130034.14        0.03972
         594621.07    4130034.14        0.03247
594671.07    4130034.14        0.02593
         594721.07    4130034.14        0.02041
594771.07    4130034.14        0.01612
         594821.07    4130034.14        0.01284
593821.07    4130084.14        0.00286
         593871.07    4130084.14        0.00346
593921.07    4130084.14        0.00438
```

```
         593971.07    4130084.14        0.00577
594021.07    4130084.14        0.00820
         594071.07    4130084.14        0.01318
594121.07    4130084.14        0.02733
         594271.07    4130084.14        0.26544
594321.07    4130084.14        0.13199
         594371.07    4130084.14        0.08605
594421.07    4130084.14        0.07533
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ALL ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 ,
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.06743	594521.07	4130084.14	0.05478
594571.07	4130084.14	0.04198	594621.07	4130084.14	0.03124
594671.07	4130084.14	0.02311	594721.07	4130084.14	0.01727
594771.07	4130084.14	0.01322	594821.07	4130084.14	0.01035
593821.07	4130134.14	0.00363	593871.07	4130134.14	0.00458
593921.07	4130134.14	0.00612	593971.07	4130134.14	0.00876
594021.07	4130134.14	0.01418	594071.07	4130134.14	0.02842
594121.07	4130134.14	0.07830	594271.07	4130134.14	0.16698
594321.07	4130134.14	0.09760	594371.07	4130134.14	0.11580
594421.07	4130134.14	0.11584	594471.07	4130134.14	0.08761

```
         594521.07    4130134.14        0.05769
594571.07    4130134.14        0.03758
         594621.07    4130134.14        0.02537
594671.07    4130134.14        0.01787
         594721.07    4130134.14        0.01306
594771.07    4130134.14        0.00999
         594821.07    4130134.14        0.00788
593821.07    4130184.14        0.00455
         593871.07    4130184.14        0.00603
593921.07    4130184.14        0.00853
         593971.07    4130184.14        0.01322
594021.07    4130184.14        0.02266
         594071.07    4130184.14        0.04346
594121.07    4130184.14        0.08875
         594171.07    4130184.14        0.12684
594221.07    4130184.14        0.08797
         594271.07    4130184.14        0.09754
594321.07    4130184.14        0.24565
         594371.07    4130184.14        0.29129
594421.07    4130184.14        0.16048
         594471.07    4130184.14        0.07742
594521.07    4130184.14        0.04150
         594571.07    4130184.14        0.02523
594621.07    4130184.14        0.01703
         594671.07    4130184.14        0.01219
594721.07    4130184.14        0.00917
         594771.07    4130184.14        0.00719
594821.07    4130184.14        0.00582
         593821.07    4130234.14        0.00591
593871.07    4130234.14        0.00799
         593921.07    4130234.14        0.01127
593971.07    4130234.14        0.01750
         594021.07    4130234.14        0.02698
594071.07    4130234.14        0.04001
         594121.07    4130234.14        0.05173
594171.07    4130234.14        0.05749
         594221.07    4130234.14        0.07537
594371.07    4130234.14        0.21681
         594421.07    4130234.14        0.08330
594471.07    4130234.14        0.03667
         594521.07    4130234.14        0.02113
594571.07    4130234.14        0.01433
         594621.07    4130234.14        0.01058
594671.07    4130234.14        0.00816
         594721.07    4130234.14        0.00649
594771.07    4130234.14        0.00535
         594821.07    4130234.14        0.00449
593821.07    4130284.14        0.00724
         593871.07    4130284.14        0.00941
593921.07    4130284.14        0.01204
         593971.07    4130284.14        0.01844
594021.07    4130284.14        0.02450
```

```
         594071.07    4130284.14        0.03022
594121.07    4130284.14        0.03709
         594171.07    4130284.14        0.04933
594221.07    4130284.14        0.07776
         594271.07    4130284.14        0.10822
594321.07    4130284.14        0.09284
         594371.07    4130284.14        0.04914
594421.07    4130284.14        0.02900
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ALL ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 ,
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.01906	594521.07	4130284.14	0.01315
594571.07	4130284.14	0.01008	594621.07	4130284.14	0.00787
594671.07	4130284.14	0.00635	594721.07	4130284.14	0.00526
594771.07	4130284.14	0.00445	594821.07	4130284.14	0.00383
593821.07	4130334.14	0.00822	593871.07	4130334.14	0.00976
593921.07	4130334.14	0.01197	593971.07	4130334.14	0.01733
594021.07	4130334.14	0.02069	594071.07	4130334.14	0.02487
594121.07	4130334.14	0.03185	594171.07	4130334.14	0.04003
594221.07	4130334.14	0.04566	594271.07	4130334.14	0.04474
594321.07	4130334.14	0.03409	594371.07	4130334.14	0.02283

```
         594421.07    4130334.14        0.01754
594471.07    4130334.14        0.01403
         594521.07    4130334.14        0.01100
594571.07    4130334.14        0.00854
         594621.07    4130334.14        0.00674
594671.07    4130334.14        0.00549
         594721.07    4130334.14        0.00460
594771.07    4130334.14        0.00393
         594821.07    4130334.14        0.00341
593821.07    4130384.14        0.00888
         593871.07    4130384.14        0.00984
593921.07    4130384.14        0.01094
         593971.07    4130384.14        0.01536
594021.07    4130384.14        0.01779
         594071.07    4130384.14        0.02126
594121.07    4130384.14        0.02540
         594171.07    4130384.14        0.02692
594221.07    4130384.14        0.02602
         594271.07    4130384.14        0.02340
594321.07    4130384.14        0.01858
         594371.07    4130384.14        0.01364
594421.07    4130384.14        0.01119
         594471.07    4130384.14        0.00996
594521.07    4130384.14        0.00894
         594571.07    4130384.14        0.00758
594621.07    4130384.14        0.00622
         594671.07    4130384.14        0.00510
594721.07    4130384.14        0.00424
         594771.07    4130384.14        0.00359
594821.07    4130384.14        0.00310
         593821.07    4130434.14        0.00808
593871.07    4130434.14        0.00925
         593921.07    4130434.14        0.01018
593971.07    4130434.14        0.01341
         594021.07    4130434.14        0.01516
594071.07    4130434.14        0.01734
         594121.07    4130434.14        0.01866
594171.07    4130434.14        0.01781
         594221.07    4130434.14        0.01648
594271.07    4130434.14        0.01478
         594321.07    4130434.14        0.01206
594371.07    4130434.14        0.00949
         594421.07    4130434.14        0.00795
594471.07    4130434.14        0.00709
         594521.07    4130434.14        0.00669
594571.07    4130434.14        0.00629
         594621.07    4130434.14        0.00566
594671.07    4130434.14        0.00484
         594721.07    4130434.14        0.00407
594771.07    4130434.14        0.00344
         594821.07    4130434.14        0.00294
593821.07    4130484.14        0.00843
```

```
         593871.07    4130484.14        0.00915
593921.07    4130484.14        0.00943
         593971.07    4130484.14        0.01148
594021.07    4130484.14        0.01256
         594071.07    4130484.14        0.01355
594121.07    4130484.14        0.01352
         594171.07    4130484.14        0.01248
594221.07    4130484.14        0.01160
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ALL ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 ,
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.01037	594321.07	4130484.14	0.00852
594371.07	4130484.14	0.00704	594421.07	4130484.14	0.00607
594471.07	4130484.14	0.00534	594521.07	4130484.14	0.00495
594571.07	4130484.14	0.00481	594621.07	4130484.14	0.00461
594671.07	4130484.14	0.00426	594721.07	4130484.14	0.00382
594771.07	4130484.14	0.00334	594821.07	4130484.14	0.00289
593821.07	4130534.14	0.00783	593871.07	4130534.14	0.00820
593921.07	4130534.14	0.00829	593971.07	4130534.14	0.00943
594021.07	4130534.14	0.01020	594071.07	4130534.14	0.01048
594121.07	4130534.14	0.01009	594171.07	4130534.14	0.00930

```
          594221.07    4130534.14         0.00865
594271.07    4130534.14         0.00761
          594321.07    4130534.14         0.00630
594371.07    4130534.14         0.00537
          594421.07    4130534.14         0.00478
594471.07    4130534.14         0.00424
          594521.07    4130534.14         0.00381
594571.07    4130534.14         0.00359
          594621.07    4130534.14         0.00349
594671.07    4130534.14         0.00320
          594721.07    4130534.14         0.00310
594771.07    4130534.14         0.00281
          594821.07    4130534.14         0.00253
593821.07    4130584.14         0.00699
          593871.07    4130584.14         0.00728
593921.07    4130584.14         0.00753
          593971.07    4130584.14         0.00777
594021.07    4130584.14         0.00800
          594071.07    4130584.14         0.00786
594121.07    4130584.14         0.00742
          594171.07    4130584.14         0.00686
594221.07    4130584.14         0.00631
          594271.07    4130584.14         0.00548
594321.07    4130584.14         0.00444
          594371.07    4130584.14         0.00385
594421.07    4130584.14         0.00345
          594471.07    4130584.14         0.00310
594521.07    4130584.14         0.00278
          594571.07    4130584.14         0.00257
594621.07    4130584.14         0.00251
          594671.07    4130584.14         0.00253
594721.07    4130584.14         0.00251
          594771.07    4130584.14         0.00244
594821.07    4130584.14         0.00231
          593821.07    4130634.14         0.00626
593871.07    4130634.14         0.00632
          593921.07    4130634.14         0.00646
593971.07    4130634.14         0.00656
          594021.07    4130634.14         0.00656
594071.07    4130634.14         0.00639
          594121.07    4130634.14         0.00597
594171.07    4130634.14         0.00546
          594221.07    4130634.14         0.00493
594271.07    4130634.14         0.00425
          594321.07    4130634.14         0.00356
594371.07    4130634.14         0.00315
          594421.07    4130634.14         0.00292
594471.07    4130634.14         0.00272
          594521.07    4130634.14         0.00249
594571.07    4130634.14         0.00243
          594621.07    4130634.14         0.00231
594671.07    4130634.14         0.00228
```

```
         594721.07    4130634.14        0.00232
594771.07    4130634.14        0.00232
         594821.07    4130634.14        0.00228
593821.07    4130684.14        0.00546
         593871.07    4130684.14        0.00547
593921.07    4130684.14        0.00546
         593971.07    4130684.14        0.00558
594021.07    4130684.14        0.00550
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ALL ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 , A0000012 ,
A0000013 , A0000014 , A0000015 , A0000016 , A0000017 , A0000018 , A0000019 , A0000020 ,
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 , A0000046 , A0000047 , A0000048 ,
A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00544	594121.07	4130684.14	0.00528
594171.07	4130684.14	0.00493	594221.07	4130684.14	0.00444
594271.07	4130684.14	0.00383	594321.07	4130684.14	0.00326
594371.07	4130684.14	0.00293	594421.07	4130684.14	0.00277
594471.07	4130684.14	0.00261	594521.07	4130684.14	0.00242
594571.07	4130684.14	0.00217	594621.07	4130684.14	0.00198
594671.07	4130684.14	0.00190	594721.07	4130684.14	0.00190
594771.07	4130684.14	0.00193	594821.07	4130684.14	0.00195
593821.07	4130734.14	0.00474	593871.07	4130734.14	0.00471
593921.07	4130734.14	0.00469	593971.07	4130734.14	0.00473

```
         594021.07    4130734.14        0.00475
594071.07    4130734.14        0.00468
         594121.07    4130734.14        0.00448
594171.07    4130734.14        0.00415
         594221.07    4130734.14        0.00372
594271.07    4130734.14        0.00322
         594321.07    4130734.14        0.00277
594371.07    4130734.14        0.00250
         594421.07    4130734.14        0.00237
594471.07    4130734.14        0.00227
         594521.07    4130734.14        0.00215
594571.07    4130734.14        0.00197
         594621.07    4130734.14        0.00177
594671.07    4130734.14        0.00164
         594721.07    4130734.14        0.00160
594771.07    4130734.14        0.00162
         594821.07    4130734.14        0.00165
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_ON ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00489	594132.05	4130211.12	0.00754
593821.07	4129734.14	0.00023	593871.07	4129734.14	0.00020
593921.07	4129734.14	0.00018	593971.07	4129734.14	0.00016
594021.07	4129734.14	0.00014	594071.07	4129734.14	0.00015
594121.07	4129734.14	0.00021	594171.07	4129734.14	0.00036
594221.07	4129734.14	0.00059	594271.07	4129734.14	0.00076
594321.07	4129734.14	0.00090	594371.07	4129734.14	0.00106
594421.07	4129734.14	0.00132	594471.07	4129734.14	0.00167
594521.07	4129734.14	0.00211	594571.07	4129734.14	0.00258
594621.07	4129734.14	0.00308	594671.07	4129734.14	0.00362
594721.07	4129734.14	0.00402	594771.07	4129734.14	0.00437
594821.07	4129734.14	0.00451	593821.07	4129784.14	0.00029
593871.07	4129784.14	0.00026	593921.07	4129784.14	0.00024
593971.07	4129784.14	0.00021	594021.07	4129784.14	0.00019

```
          594071.07    4129784.14         0.00018
594121.07    4129784.14         0.00022
          594171.07    4129784.14         0.00037
594221.07    4129784.14         0.00066
          594271.07    4129784.14         0.00090
594321.07    4129784.14         0.00109
          594371.07    4129784.14         0.00134
594421.07    4129784.14         0.00172
          594471.07    4129784.14         0.00224
594521.07    4129784.14         0.00291
          594571.07    4129784.14         0.00364
594621.07    4129784.14         0.00437
          594671.07    4129784.14         0.00498
594721.07    4129784.14         0.00532
          594771.07    4129784.14         0.00562
594821.07    4129784.14         0.00556
          593821.07    4129834.14         0.00034
593871.07    4129834.14         0.00034
          593921.07    4129834.14         0.00032
593971.07    4129834.14         0.00029
          594021.07    4129834.14         0.00025
594071.07    4129834.14         0.00023
          594121.07    4129834.14         0.00025
594171.07    4129834.14         0.00042
          594221.07    4129834.14         0.00075
594271.07    4129834.14         0.00108
          594321.07    4129834.14         0.00138
594371.07    4129834.14         0.00175
          594421.07    4129834.14         0.00234
594471.07    4129834.14         0.00317
          594521.07    4129834.14         0.00417
594571.07    4129834.14         0.00523
          594621.07    4129834.14         0.00615
594671.07    4129834.14         0.00678
          594721.07    4129834.14         0.00708
594771.07    4129834.14         0.00711
          594821.07    4129834.14         0.00693
593821.07    4129884.14         0.00039
          593871.07    4129884.14         0.00042
593921.07    4129884.14         0.00043
          593971.07    4129884.14         0.00042
594021.07    4129884.14         0.00038
          594071.07    4129884.14         0.00034
594121.07    4129884.14         0.00035
          594171.07    4129884.14         0.00049
594221.07    4129884.14         0.00086
          594271.07    4129884.14         0.00134
594321.07    4129884.14         0.00179
          594371.07    4129884.14         0.00239
594421.07    4129884.14         0.00339
          594471.07    4129884.14         0.00476
594521.07    4129884.14         0.00633
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_ON ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00777	594621.07	4129884.14	0.00875
594671.07	4129884.14	0.00921	594721.07	4129884.14	0.00919
594771.07	4129884.14	0.00887	594821.07	4129884.14	0.00831
593821.07	4129934.14	0.00042	593871.07	4129934.14	0.00047
593921.07	4129934.14	0.00053	593971.07	4129934.14	0.00057
594021.07	4129934.14	0.00056	594071.07	4129934.14	0.00051
594121.07	4129934.14	0.00048	594171.07	4129934.14	0.00059
594221.07	4129934.14	0.00102	594271.07	4129934.14	0.00170
594321.07	4129934.14	0.00245	594371.07	4129934.14	0.00354
594421.07	4129934.14	0.00533	594471.07	4129934.14	0.00771
594521.07	4129934.14	0.01009	594571.07	4129934.14	0.01178
594621.07	4129934.14	0.01250	594671.07	4129934.14	0.01238
594721.07	4129934.14	0.01164	594771.07	4129934.14	0.01064
594821.07	4129934.14	0.00943	593821.07	4129984.14	0.00048

593871.07 4129984.14 0.00054
593921.07 4129984.14 0.00062
593971.07 4129984.14 0.00071
594021.07 4129984.14 0.00078
594071.07 4129984.14 0.00079
594121.07 4129984.14 0.00074
594171.07 4129984.14 0.00079
594221.07 4129984.14 0.00127
594271.07 4129984.14 0.00226
594321.07 4129984.14 0.00362
594371.07 4129984.14 0.00580
594421.07 4129984.14 0.00934
594471.07 4129984.14 0.01351
594521.07 4129984.14 0.01664
594571.07 4129984.14 0.01786
594621.07 4129984.14 0.01740
594671.07 4129984.14 0.01591
594721.07 4129984.14 0.01383
594771.07 4129984.14 0.01175
594821.07 4129984.14 0.00975
593821.07 4130034.14 0.00059
593871.07 4130034.14 0.00065
593921.07 4130034.14 0.00073
593971.07 4130034.14 0.00085
594021.07 4130034.14 0.00100
594071.07 4130034.14 0.00116
594121.07 4130034.14 0.00122
594171.07 4130034.14 0.00124
594221.07 4130034.14 0.00173
594271.07 4130034.14 0.00332
594321.07 4130034.14 0.00611
594371.07 4130034.14 0.01127
594421.07 4130034.14 0.01898
594471.07 4130034.14 0.02553
594521.07 4130034.14 0.02764
594571.07 4130034.14 0.02600
594621.07 4130034.14 0.02249
594671.07 4130034.14 0.01842
594721.07 4130034.14 0.01460
594771.07 4130034.14 0.01149
594821.07 4130034.14 0.00907
593821.07 4130084.14 0.00074
593871.07 4130084.14 0.00083
593921.07 4130084.14 0.00095
593971.07 4130084.14 0.00109
594021.07 4130084.14 0.00129
594071.07 4130084.14 0.00158
594121.07 4130084.14 0.00193
594271.07 4130084.14 0.00536
594321.07 4130084.14 0.01258
594371.07 4130084.14 0.02773
594421.07 4130084.14 0.04357

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_ON ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.04825	594521.07	4130084.14	0.04218
594571.07	4130084.14	0.03305	594621.07	4130084.14	0.02459
594671.07	4130084.14	0.01797	594721.07	4130084.14	0.01320
594771.07	4130084.14	0.00990	594821.07	4130084.14	0.00759
593821.07	4130134.14	0.00093	593871.07	4130134.14	0.00107
593921.07	4130134.14	0.00126	593971.07	4130134.14	0.00149
594021.07	4130134.14	0.00181	594071.07	4130134.14	0.00227
594121.07	4130134.14	0.00296	594271.07	4130134.14	0.01218
594321.07	4130134.14	0.04298	594371.07	4130134.14	0.08898
594421.07	4130134.14	0.10022	594471.07	4130134.14	0.07710
594521.07	4130134.14	0.05017	594571.07	4130134.14	0.03191
594621.07	4130134.14	0.02091	594671.07	4130134.14	0.01428
594721.07	4130134.14	0.01011	594771.07	4130134.14	0.00750
594821.07	4130134.14	0.00575	593821.07	4130184.14	0.00119

593871.07 4130184.14 0.00139
593921.07 4130184.14 0.00167
593971.07 4130184.14 0.00208
594021.07 4130184.14 0.00266
594071.07 4130184.14 0.00354
594121.07 4130184.14 0.00500
594171.07 4130184.14 0.00789
594221.07 4130184.14 0.01504
594271.07 4130184.14 0.06195
594321.07 4130184.14 0.22409
594371.07 4130184.14 0.27743
594421.07 4130184.14 0.15112
594471.07 4130184.14 0.07058
594521.07 4130184.14 0.03622
594571.07 4130184.14 0.02100
594621.07 4130184.14 0.01354
594671.07 4130184.14 0.00927
594721.07 4130184.14 0.00670
594771.07 4130184.14 0.00506
594821.07 4130184.14 0.00397
593821.07 4130234.14 0.00144
593871.07 4130234.14 0.00172
593921.07 4130234.14 0.00206
593971.07 4130234.14 0.00277
594021.07 4130234.14 0.00372
594071.07 4130234.14 0.00537
594121.07 4130234.14 0.00869
594171.07 4130234.14 0.01732
594221.07 4130234.14 0.04936
594371.07 4130234.14 0.20667
594421.07 4130234.14 0.07586
594471.07 4130234.14 0.03106
594521.07 4130234.14 0.01677
594571.07 4130234.14 0.01078
594621.07 4130234.14 0.00760
594671.07 4130234.14 0.00563
594721.07 4130234.14 0.00431
594771.07 4130234.14 0.00343
594821.07 4130234.14 0.00280
593821.07 4130284.14 0.00163
593871.07 4130284.14 0.00188
593921.07 4130284.14 0.00231
593971.07 4130284.14 0.00354
594021.07 4130284.14 0.00516
594071.07 4130284.14 0.00823
594121.07 4130284.14 0.01466
594171.07 4130284.14 0.02964
594221.07 4130284.14 0.06398
594271.07 4130284.14 0.09810
594321.07 4130284.14 0.08459
594371.07 4130284.14 0.04190
594421.07 4130284.14 0.02289

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_ON ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.01410	594521.07	4130284.14	0.00924
594571.07	4130284.14	0.00687	594621.07	4130284.14	0.00522
594671.07	4130284.14	0.00409	594721.07	4130284.14	0.00330
594771.07	4130284.14	0.00273	594821.07	4130284.14	0.00230
593821.07	4130334.14	0.00196	593871.07	4130334.14	0.00226
593921.07	4130334.14	0.00292	593971.07	4130334.14	0.00487
594021.07	4130334.14	0.00720	594071.07	4130334.14	0.01129
594121.07	4130334.14	0.01825	594171.07	4130334.14	0.02835
594221.07	4130334.14	0.03711	594271.07	4130334.14	0.03794
594321.07	4130334.14	0.02844	594371.07	4130334.14	0.01788
594421.07	4130334.14	0.01293	594471.07	4130334.14	0.00985
594521.07	4130334.14	0.00737	594571.07	4130334.14	0.00549
594621.07	4130334.14	0.00421	594671.07	4130334.14	0.00338
594721.07	4130334.14	0.00278	594771.07	4130334.14	0.00235

```
         594821.07    4130334.14        0.00202
593821.07    4130384.14        0.00252
         593871.07    4130384.14        0.00293
593921.07    4130384.14        0.00363
         593971.07    4130384.14        0.00606
594021.07    4130384.14        0.00854
         594071.07    4130384.14        0.01203
594121.07    4130384.14        0.01612
         594171.07    4130384.14        0.01907
594221.07    4130384.14        0.02013
         594271.07    4130384.14        0.01852
594321.07    4130384.14        0.01431
         594371.07    4130384.14        0.00998
594421.07    4130384.14        0.00783
         594471.07    4130384.14        0.00670
594521.07    4130384.14        0.00586
         594571.07    4130384.14        0.00479
594621.07    4130384.14        0.00378
         594671.07    4130384.14        0.00301
594721.07    4130384.14        0.00246
         594771.07    4130384.14        0.00207
594821.07    4130384.14        0.00178
         593821.07    4130434.14        0.00270
593871.07    4130434.14        0.00338
         593921.07    4130434.14        0.00424
593971.07    4130434.14        0.00657
         594021.07    4130434.14        0.00850
594071.07    4130434.14        0.01050
         594121.07    4130434.14        0.01186
594171.07    4130434.14        0.01221
         594221.07    4130434.14        0.01215
594271.07    4130434.14        0.01106
         594321.07    4130434.14        0.00865
594371.07    4130434.14        0.00651
         594421.07    4130434.14        0.00530
594471.07    4130434.14        0.00456
         594521.07    4130434.14        0.00419
594571.07    4130434.14        0.00387
         594621.07    4130434.14        0.00338
594671.07    4130434.14        0.00282
         594721.07    4130434.14        0.00233
594771.07    4130434.14        0.00194
         594821.07    4130434.14        0.00164
593821.07    4130484.14        0.00333
         593871.07    4130484.14        0.00392
593921.07    4130484.14        0.00467
         593971.07    4130484.14        0.00635
594021.07    4130484.14        0.00744
         594071.07    4130484.14        0.00819
594121.07    4130484.14        0.00833
         594171.07    4130484.14        0.00828
594221.07    4130484.14        0.00829
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_ON ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00746	594321.07	4130484.14	0.00583
594371.07	4130484.14	0.00457	594421.07	4130484.14	0.00388
594471.07	4130484.14	0.00335	594521.07	4130484.14	0.00300
594571.07	4130484.14	0.00287	594621.07	4130484.14	0.00274
594671.07	4130484.14	0.00251	594721.07	4130484.14	0.00221
594771.07	4130484.14	0.00189	594821.07	4130484.14	0.00160
593821.07	4130534.14	0.00352	593871.07	4130534.14	0.00400
593921.07	4130534.14	0.00453	593971.07	4130534.14	0.00547
594021.07	4130534.14	0.00605	594071.07	4130534.14	0.00614
594121.07	4130534.14	0.00602	594171.07	4130534.14	0.00604
594221.07	4130534.14	0.00604	594271.07	4130534.14	0.00531
594321.07	4130534.14	0.00417	594371.07	4130534.14	0.00336
594421.07	4130534.14	0.00296	594471.07	4130534.14	0.00263
594521.07	4130534.14	0.00230	594571.07	4130534.14	0.00212

```
         594621.07    4130534.14        0.00204
594671.07    4130534.14        0.00185
         594721.07    4130534.14        0.00178
594771.07    4130534.14        0.00158
         594821.07    4130534.14        0.00140
593821.07    4130584.14        0.00349
         593871.07    4130584.14        0.00393
593921.07    4130584.14        0.00432
         593971.07    4130584.14        0.00459
594021.07    4130584.14        0.00466
         594071.07    4130584.14        0.00446
594121.07    4130584.14        0.00432
         594171.07    4130584.14        0.00437
594221.07    4130584.14        0.00430
         594271.07    4130584.14        0.00370
594321.07    4130584.14        0.00285
         594371.07    4130584.14        0.00234
594421.07    4130584.14        0.00206
         594471.07    4130584.14        0.00186
594521.07    4130584.14        0.00166
         594571.07    4130584.14        0.00149
594621.07    4130584.14        0.00143
         594671.07    4130584.14        0.00143
594721.07    4130584.14        0.00142
         594771.07    4130584.14        0.00137
594821.07    4130584.14        0.00128
         593821.07    4130634.14        0.00330
593871.07    4130634.14        0.00352
         593921.07    4130634.14        0.00372
593971.07    4130634.14        0.00380
         594021.07    4130634.14        0.00368
594071.07    4130634.14        0.00350
         594121.07    4130634.14        0.00342
594171.07    4130634.14        0.00344
         594221.07    4130634.14        0.00330
594271.07    4130634.14        0.00280
         594321.07    4130634.14        0.00222
594371.07    4130634.14        0.00187
         594421.07    4130634.14        0.00169
594471.07    4130634.14        0.00158
         594521.07    4130634.14        0.00147
594571.07    4130634.14        0.00142
         594621.07    4130634.14        0.00132
594671.07    4130634.14        0.00128
         594721.07    4130634.14        0.00130
594771.07    4130634.14        0.00130
         594821.07    4130634.14        0.00127
593821.07    4130684.14        0.00299
         593871.07    4130684.14        0.00309
593921.07    4130684.14        0.00312
         593971.07    4130684.14        0.00312
594021.07    4130684.14        0.00296
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_ON ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00288	594121.07	4130684.14	0.00300
594171.07	4130684.14	0.00311	594221.07	4130684.14	0.00294
594271.07	4130684.14	0.00248	594321.07	4130684.14	0.00199
594371.07	4130684.14	0.00171	594421.07	4130684.14	0.00157
594471.07	4130684.14	0.00148	594521.07	4130684.14	0.00140
594571.07	4130684.14	0.00126	594621.07	4130684.14	0.00113
594671.07	4130684.14	0.00106	594721.07	4130684.14	0.00105
594771.07	4130684.14	0.00106	594821.07	4130684.14	0.00107
593821.07	4130734.14	0.00265	593871.07	4130734.14	0.00267
593921.07	4130734.14	0.00262	593971.07	4130734.14	0.00255
594021.07	4130734.14	0.00248	594071.07	4130734.14	0.00247
594121.07	4130734.14	0.00256	594171.07	4130734.14	0.00261
594221.07	4130734.14	0.00243	594271.07	4130734.14	0.00204
594321.07	4130734.14	0.00166	594371.07	4130734.14	0.00144

```
         594421.07    4130734.14        0.00133
594471.07    4130734.14        0.00126
         594521.07    4130734.14        0.00121
594571.07    4130734.14        0.00113
         594621.07    4130734.14        0.00101
594671.07    4130734.14        0.00092
         594721.07    4130734.14        0.00088
594771.07    4130734.14        0.00088
         594821.07    4130734.14        0.00089
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00000	594132.05	4130211.12	0.00000
593821.07	4129734.14	0.00000	593871.07	4129734.14	0.00000
593921.07	4129734.14	0.00000	593971.07	4129734.14	0.00000
594021.07	4129734.14	0.00000	594071.07	4129734.14	0.00000
594121.07	4129734.14	0.00000	594171.07	4129734.14	0.00000
594221.07	4129734.14	0.00000	594271.07	4129734.14	0.00000
594321.07	4129734.14	0.00000	594371.07	4129734.14	0.00000
594421.07	4129734.14	0.00000	594471.07	4129734.14	0.00000
594521.07	4129734.14	0.00000	594571.07	4129734.14	0.00000
594621.07	4129734.14	0.00000	594671.07	4129734.14	0.00000
594721.07	4129734.14	0.00000	594771.07	4129734.14	0.00000
594821.07	4129734.14	0.00000	593821.07	4129784.14	0.00000
593871.07	4129784.14	0.00000			

```
593921.07    4129784.14        0.00000
         593971.07    4129784.14        0.00000
594021.07    4129784.14        0.00000
         594071.07    4129784.14        0.00000
594121.07    4129784.14        0.00000
         594171.07    4129784.14        0.00000
594221.07    4129784.14        0.00000
         594271.07    4129784.14        0.00000
594321.07    4129784.14        0.00000
         594371.07    4129784.14        0.00000
594421.07    4129784.14        0.00000
         594471.07    4129784.14        0.00000
594521.07    4129784.14        0.00000
         594571.07    4129784.14        0.00000
594621.07    4129784.14        0.00000
         594671.07    4129784.14        0.00000
594721.07    4129784.14        0.00000
         594771.07    4129784.14        0.00000
594821.07    4129784.14        0.00000
         593821.07    4129834.14        0.00000
593871.07    4129834.14        0.00000
         593921.07    4129834.14        0.00000
593971.07    4129834.14        0.00000
         594021.07    4129834.14        0.00000
594071.07    4129834.14        0.00000
         594121.07    4129834.14        0.00000
594171.07    4129834.14        0.00000
         594221.07    4129834.14        0.00000
594271.07    4129834.14        0.00000
         594321.07    4129834.14        0.00000
594371.07    4129834.14        0.00000
         594421.07    4129834.14        0.00000
594471.07    4129834.14        0.00000
         594521.07    4129834.14        0.00000
594571.07    4129834.14        0.00000
         594621.07    4129834.14        0.00000
594671.07    4129834.14        0.00000
         594721.07    4129834.14        0.00000
594771.07    4129834.14        0.00000
         594821.07    4129834.14        0.00000
593821.07    4129884.14        0.00000
         593871.07    4129884.14        0.00000
593921.07    4129884.14        0.00000
         593971.07    4129884.14        0.00000
594021.07    4129884.14        0.00000
         594071.07    4129884.14        0.00000
594121.07    4129884.14        0.00000
         594171.07    4129884.14        0.00000
594221.07    4129884.14        0.00000
         594271.07    4129884.14        0.00000
594321.07    4129884.14        0.00000
         594371.07    4129884.14        0.00000
```

```
594421.07    4129884.14        0.00000
         594471.07    4129884.14        0.00000
594521.07    4129884.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00000	594621.07	4129884.14	0.00000
594671.07	4129884.14	0.00001	594721.07	4129884.14	0.00001
594771.07	4129884.14	0.00001	594821.07	4129884.14	0.00001
593821.07	4129934.14	0.00000	593871.07	4129934.14	0.00000
593921.07	4129934.14	0.00000	593971.07	4129934.14	0.00000
594021.07	4129934.14	0.00000	594071.07	4129934.14	0.00000
594121.07	4129934.14	0.00000	594171.07	4129934.14	0.00000
594221.07	4129934.14	0.00000	594271.07	4129934.14	0.00000
594321.07	4129934.14	0.00000	594371.07	4129934.14	0.00000
594421.07	4129934.14	0.00000	594471.07	4129934.14	0.00000
594521.07	4129934.14	0.00001	594571.07	4129934.14	0.00001
594621.07	4129934.14	0.00001	594671.07	4129934.14	0.00001
594721.07	4129934.14	0.00001			

```
594771.07    4129934.14        0.00001
         594821.07    4129934.14        0.00001
593821.07    4129984.14        0.00000
         593871.07    4129984.14        0.00000
593921.07    4129984.14        0.00000
         593971.07    4129984.14        0.00000
594021.07    4129984.14        0.00000
         594071.07    4129984.14        0.00000
594121.07    4129984.14        0.00000
         594171.07    4129984.14        0.00000
594221.07    4129984.14        0.00000
         594271.07    4129984.14        0.00000
594321.07    4129984.14        0.00000
         594371.07    4129984.14        0.00000
594421.07    4129984.14        0.00001
         594471.07    4129984.14        0.00001
594521.07    4129984.14        0.00001
         594571.07    4129984.14        0.00001
594621.07    4129984.14        0.00001
         594671.07    4129984.14        0.00001
594721.07    4129984.14        0.00001
         594771.07    4129984.14        0.00001
594821.07    4129984.14        0.00001
         593821.07    4130034.14        0.00000
593871.07    4130034.14        0.00000
         593921.07    4130034.14        0.00000
593971.07    4130034.14        0.00000
         594021.07    4130034.14        0.00000
594071.07    4130034.14        0.00000
         594121.07    4130034.14        0.00000
594171.07    4130034.14        0.00000
         594221.07    4130034.14        0.00000
594271.07    4130034.14        0.00000
         594321.07    4130034.14        0.00000
594371.07    4130034.14        0.00001
         594421.07    4130034.14        0.00001
594471.07    4130034.14        0.00001
         594521.07    4130034.14        0.00001
594571.07    4130034.14        0.00001
         594621.07    4130034.14        0.00001
594671.07    4130034.14        0.00001
         594721.07    4130034.14        0.00001
594771.07    4130034.14        0.00001
         594821.07    4130034.14        0.00001
593821.07    4130084.14        0.00000
         593871.07    4130084.14        0.00000
593921.07    4130084.14        0.00000
         593971.07    4130084.14        0.00000
594021.07    4130084.14        0.00000
         594071.07    4130084.14        0.00000
594121.07    4130084.14        0.00000
         594271.07    4130084.14        0.00000
```

```
594321.07    4130084.14        0.00001
         594371.07    4130084.14        0.00001
594421.07    4130084.14        0.00002
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00002	594521.07	4130084.14	0.00001
594571.07	4130084.14	0.00001	594621.07	4130084.14	0.00001
594671.07	4130084.14	0.00001	594721.07	4130084.14	0.00001
594771.07	4130084.14	0.00001	594821.07	4130084.14	0.00001
593821.07	4130134.14	0.00000	593871.07	4130134.14	0.00000
593921.07	4130134.14	0.00000	593971.07	4130134.14	0.00000
594021.07	4130134.14	0.00000	594071.07	4130134.14	0.00000
594121.07	4130134.14	0.00000	594271.07	4130134.14	0.00001
594321.07	4130134.14	0.00003	594371.07	4130134.14	0.00003
594421.07	4130134.14	0.00002	594471.07	4130134.14	0.00002
594521.07	4130134.14	0.00002	594571.07	4130134.14	0.00002
594621.07	4130134.14	0.00001	594671.07	4130134.14	0.00001
594721.07	4130134.14	0.00001			

```
594771.07    4130134.14        0.00001
         594821.07    4130134.14        0.00001
593821.07    4130184.14        0.00000
         593871.07    4130184.14        0.00000
593921.07    4130184.14        0.00000
         593971.07    4130184.14        0.00000
594021.07    4130184.14        0.00000
         594071.07    4130184.14        0.00000
594121.07    4130184.14        0.00000
         594171.07    4130184.14        0.00000
594221.07    4130184.14        0.00001
         594271.07    4130184.14        0.00009
594321.07    4130184.14        0.00006
         594371.07    4130184.14        0.00004
594421.07    4130184.14        0.00003
         594471.07    4130184.14        0.00002
594521.07    4130184.14        0.00002
         594571.07    4130184.14        0.00002
594621.07    4130184.14        0.00002
         594671.07    4130184.14        0.00002
594721.07    4130184.14        0.00002
         594771.07    4130184.14        0.00001
594821.07    4130184.14        0.00001
         593821.07    4130234.14        0.00000
593871.07    4130234.14        0.00000
         593921.07    4130234.14        0.00000
593971.07    4130234.14        0.00000
         594021.07    4130234.14        0.00000
594071.07    4130234.14        0.00000
         594121.07    4130234.14        0.00001
594171.07    4130234.14        0.00001
         594221.07    4130234.14        0.00004
594371.07    4130234.14        0.00004
         594421.07    4130234.14        0.00003
594471.07    4130234.14        0.00003
         594521.07    4130234.14        0.00002
594571.07    4130234.14        0.00002
         594621.07    4130234.14        0.00002
594671.07    4130234.14        0.00002
         594721.07    4130234.14        0.00002
594771.07    4130234.14        0.00002
         594821.07    4130234.14        0.00002
593821.07    4130284.14        0.00000
         593871.07    4130284.14        0.00000
593921.07    4130284.14        0.00000
         593971.07    4130284.14        0.00000
594021.07    4130284.14        0.00000
         594071.07    4130284.14        0.00001
594121.07    4130284.14        0.00001
         594171.07    4130284.14        0.00002
594221.07    4130284.14        0.00006
         594271.07    4130284.14        0.00014
```

```
594321.07    4130284.14        0.00007
         594371.07    4130284.14        0.00005
594421.07    4130284.14        0.00003
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00003	594521.07	4130284.14	0.00003
594571.07	4130284.14	0.00003	594621.07	4130284.14	0.00003
594671.07	4130284.14	0.00002	594721.07	4130284.14	0.00002
594771.07	4130284.14	0.00002	594821.07	4130284.14	0.00002
593821.07	4130334.14	0.00000	593871.07	4130334.14	0.00000
593921.07	4130334.14	0.00000	593971.07	4130334.14	0.00000
594021.07	4130334.14	0.00001	594071.07	4130334.14	0.00001
594121.07	4130334.14	0.00001	594171.07	4130334.14	0.00003
594221.07	4130334.14	0.00006	594271.07	4130334.14	0.00013
594321.07	4130334.14	0.00008	594371.07	4130334.14	0.00006
594421.07	4130334.14	0.00004	594471.07	4130334.14	0.00004
594521.07	4130334.14	0.00004	594571.07	4130334.14	0.00004
594621.07	4130334.14	0.00003			

```
594671.07    4130334.14        0.00003
         594721.07    4130334.14        0.00003
594771.07    4130334.14        0.00003
         594821.07    4130334.14        0.00002
593821.07    4130384.14        0.00000
         593871.07    4130384.14        0.00000
593921.07    4130384.14        0.00000
         593971.07    4130384.14        0.00000
594021.07    4130384.14        0.00001
         594071.07    4130384.14        0.00001
594121.07    4130384.14        0.00002
         594171.07    4130384.14        0.00003
594221.07    4130384.14        0.00006
         594271.07    4130384.14        0.00007
594321.07    4130384.14        0.00010
         594371.07    4130384.14        0.00007
594421.07    4130384.14        0.00006
         594471.07    4130384.14        0.00006
594521.07    4130384.14        0.00006
         594571.07    4130384.14        0.00006
594621.07    4130384.14        0.00005
         594671.07    4130384.14        0.00005
594721.07    4130384.14        0.00004
         594771.07    4130384.14        0.00003
594821.07    4130384.14        0.00002
         593821.07    4130434.14        0.00000
593871.07    4130434.14        0.00000
         593921.07    4130434.14        0.00000
593971.07    4130434.14        0.00001
         594021.07    4130434.14        0.00001
594071.07    4130434.14        0.00001
         594121.07    4130434.14        0.00002
594171.07    4130434.14        0.00003
         594221.07    4130434.14        0.00004
594271.07    4130434.14        0.00007
         594321.07    4130434.14        0.00012
594371.07    4130434.14        0.00012
         594421.07    4130434.14        0.00012
594471.07    4130434.14        0.00012
         594521.07    4130434.14        0.00012
594571.07    4130434.14        0.00011
         594621.07    4130434.14        0.00011
594671.07    4130434.14        0.00008
         594721.07    4130434.14        0.00004
594771.07    4130434.14        0.00002
         594821.07    4130434.14        0.00001
593821.07    4130484.14        0.00000
         593871.07    4130484.14        0.00000
593921.07    4130484.14        0.00000
         593971.07    4130484.14        0.00001
594021.07    4130484.14        0.00001
         594071.07    4130484.14        0.00001
```

```
594121.07    4130484.14        0.00002
         594171.07    4130484.14        0.00002
594221.07    4130484.14        0.00004
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00009	594321.07	4130484.14	0.00010
594371.07	4130484.14	0.00010	594421.07	4130484.14	0.00010
594471.07	4130484.14	0.00010	594521.07	4130484.14	0.00010
594571.07	4130484.14	0.00010	594621.07	4130484.14	0.00006
594671.07	4130484.14	0.00003	594721.07	4130484.14	0.00001
594771.07	4130484.14	0.00001	594821.07	4130484.14	0.00001
593821.07	4130534.14	0.00000	593871.07	4130534.14	0.00000
593921.07	4130534.14	0.00000	593971.07	4130534.14	0.00001
594021.07	4130534.14	0.00001	594071.07	4130534.14	0.00001
594121.07	4130534.14	0.00002	594171.07	4130534.14	0.00002
594221.07	4130534.14	0.00003	594271.07	4130534.14	0.00004
594321.07	4130534.14	0.00004	594371.07	4130534.14	0.00004
594421.07	4130534.14	0.00005			

```
594471.07    4130534.14        0.00005
         594521.07    4130534.14        0.00004
594571.07    4130534.14        0.00003
         594621.07    4130534.14        0.00002
594671.07    4130534.14        0.00001
         594721.07    4130534.14        0.00001
594771.07    4130534.14        0.00001
         594821.07    4130534.14        0.00000
593821.07    4130584.14        0.00000
         593871.07    4130584.14        0.00000
593921.07    4130584.14        0.00001
         593971.07    4130584.14        0.00001
594021.07    4130584.14        0.00001
         594071.07    4130584.14        0.00001
594121.07    4130584.14        0.00001
         594171.07    4130584.14        0.00002
594221.07    4130584.14        0.00002
         594271.07    4130584.14        0.00002
594321.07    4130584.14        0.00002
         594371.07    4130584.14        0.00002
594421.07    4130584.14        0.00002
         594471.07    4130584.14        0.00002
594521.07    4130584.14        0.00002
         594571.07    4130584.14        0.00001
594621.07    4130584.14        0.00001
         594671.07    4130584.14        0.00001
594721.07    4130584.14        0.00001
         594771.07    4130584.14        0.00000
594821.07    4130584.14        0.00000
         593821.07    4130634.14        0.00000
593871.07    4130634.14        0.00000
         593921.07    4130634.14        0.00001
593971.07    4130634.14        0.00001
         594021.07    4130634.14        0.00001
594071.07    4130634.14        0.00001
         594121.07    4130634.14        0.00001
594171.07    4130634.14        0.00001
         594221.07    4130634.14        0.00001
594271.07    4130634.14        0.00001
         594321.07    4130634.14        0.00001
594371.07    4130634.14        0.00001
         594421.07    4130634.14        0.00001
594471.07    4130634.14        0.00001
         594521.07    4130634.14        0.00001
594571.07    4130634.14        0.00001
         594621.07    4130634.14        0.00001
594671.07    4130634.14        0.00001
         594721.07    4130634.14        0.00001
594771.07    4130634.14        0.00000
         594821.07    4130634.14        0.00000
593821.07    4130684.14        0.00000
         593871.07    4130684.14        0.00000
```

```
593921.07    4130684.14        0.00001
         593971.07    4130684.14        0.00001
594021.07    4130684.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_B_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00001	594121.07	4130684.14	0.00001
594171.07	4130684.14	0.00001	594221.07	4130684.14	0.00001
594271.07	4130684.14	0.00001	594321.07	4130684.14	0.00001
594371.07	4130684.14	0.00001	594421.07	4130684.14	0.00001
594471.07	4130684.14	0.00001	594521.07	4130684.14	0.00001
594571.07	4130684.14	0.00001	594621.07	4130684.14	0.00001
594671.07	4130684.14	0.00000	594721.07	4130684.14	0.00000
594771.07	4130684.14	0.00000	594821.07	4130684.14	0.00000
593821.07	4130734.14	0.00000	593871.07	4130734.14	0.00000
593921.07	4130734.14	0.00001	593971.07	4130734.14	0.00001
594021.07	4130734.14	0.00001	594071.07	4130734.14	0.00001
594121.07	4130734.14	0.00001	594171.07	4130734.14	0.00001
594221.07	4130734.14	0.00001			

```
594271.07    4130734.14        0.00001
         594321.07    4130734.14        0.00001
594371.07    4130734.14        0.00001
         594421.07    4130734.14        0.00001
594471.07    4130734.14        0.00001
         594521.07    4130734.14        0.00001
594571.07    4130734.14        0.00000
         594621.07    4130734.14        0.00000
594671.07    4130734.14        0.00000
         594721.07    4130734.14        0.00000
594771.07    4130734.14        0.00000
         594821.07    4130734.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_ON ***
INCLUDING SOURCE(S):
PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.04617	594132.05	4130211.12	0.06411
593821.07	4129734.14	0.00039	593871.07	4129734.14	0.00034
593921.07	4129734.14	0.00030	593971.07	4129734.14	0.00027
594021.07	4129734.14	0.00035	594071.07	4129734.14	0.00059
594121.07	4129734.14	0.00101	594171.07	4129734.14	0.00139
594221.07	4129734.14	0.00172	594271.07	4129734.14	0.00225
594321.07	4129734.14	0.00306	594371.07	4129734.14	0.00415
594421.07	4129734.14	0.00542	594471.07	4129734.14	0.00666
594521.07	4129734.14	0.00764	594571.07	4129734.14	0.00821
594621.07	4129734.14	0.00838	594671.07	4129734.14	0.00829
594721.07	4129734.14	0.00784	594771.07	4129734.14	0.00756
594821.07	4129734.14	0.00700	593821.07	4129784.14	0.00052
593871.07	4129784.14	0.00048	593921.07	4129784.14	0.00044
593971.07	4129784.14	0.00039	594021.07	4129784.14	0.00042

```
         594071.07    4129784.14        0.00065
594121.07    4129784.14        0.00118
         594171.07    4129784.14        0.00175
594221.07    4129784.14        0.00229
         594271.07    4129784.14        0.00316
594321.07    4129784.14        0.00452
         594371.07    4129784.14        0.00635
594421.07    4129784.14        0.00827
         594471.07    4129784.14        0.00986
594521.07    4129784.14        0.01076
         594571.07    4129784.14        0.01099
594621.07    4129784.14        0.01073
         594671.07    4129784.14        0.01016
594721.07    4129784.14        0.00936
         594771.07    4129784.14        0.00848
594821.07    4129784.14        0.00751
         593821.07    4129834.14        0.00065
593871.07    4129834.14        0.00067
         593921.07    4129834.14        0.00066
593971.07    4129834.14        0.00059
         594021.07    4129834.14        0.00057
594071.07    4129834.14        0.00076
         594121.07    4129834.14        0.00141
594171.07    4129834.14        0.00229
         594221.07    4129834.14        0.00326
594271.07    4129834.14        0.00483
         594321.07    4129834.14        0.00740
594371.07    4129834.14        0.01048
         594421.07    4129834.14        0.01317
594471.07    4129834.14        0.01468
         594521.07    4129834.14        0.01497
594571.07    4129834.14        0.01438
         594621.07    4129834.14        0.01325
594671.07    4129834.14        0.01184
         594721.07    4129834.14        0.01031
594771.07    4129834.14        0.00885
         594821.07    4129834.14        0.00750
593821.07    4129884.14        0.00075
         593871.07    4129884.14        0.00086
593921.07    4129884.14        0.00094
         593971.07    4129884.14        0.00094
594021.07    4129884.14        0.00088
         594071.07    4129884.14        0.00099
594121.07    4129884.14        0.00177
         594171.07    4129884.14        0.00317
594221.07    4129884.14        0.00494
         594271.07    4129884.14        0.00830
594321.07    4129884.14        0.01335
         594371.07    4129884.14        0.01835
594421.07    4129884.14        0.02125
         594471.07    4129884.14        0.02155
594521.07    4129884.14        0.02009
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_ON ***
INCLUDING SOURCE(S):
PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.01773	594621.07	4129884.14	0.01508
594671.07	4129884.14	0.01257	594721.07	4129884.14	0.01033
594771.07	4129884.14	0.00847	594821.07	4129884.14	0.00696
593821.07	4129934.14	0.00090	593871.07	4129934.14	0.00104
593921.07	4129934.14	0.00123	593971.07	4129934.14	0.00142
594021.07	4129934.14	0.00149	594071.07	4129934.14	0.00153
594121.07	4129934.14	0.00237	594171.07	4129934.14	0.00481
594221.07	4129934.14	0.00885	594271.07	4129934.14	0.01707
594321.07	4129934.14	0.02740	594371.07	4129934.14	0.03358
594421.07	4129934.14	0.03340	594471.07	4129934.14	0.02952
594521.07	4129934.14	0.02437	594571.07	4129934.14	0.01939
594621.07	4129934.14	0.01521	594671.07	4129934.14	0.01190
594721.07	4129934.14	0.00935	594771.07	4129934.14	0.00747
594821.07	4129934.14	0.00605	593821.07	4129984.14	0.00117

593871.07 4129984.14 0.00135
593921.07 4129984.14 0.00161
593971.07 4129984.14 0.00201
594021.07 4129984.14 0.00243
594071.07 4129984.14 0.00283
594121.07 4129984.14 0.00382
594171.07 4129984.14 0.00838
594221.07 4129984.14 0.02083
594271.07 4129984.14 0.04460
594321.07 4129984.14 0.06076
594371.07 4129984.14 0.05774
594421.07 4129984.14 0.04596
594471.07 4129984.14 0.03404
594521.07 4129984.14 0.02462
594571.07 4129984.14 0.01788
594621.07 4129984.14 0.01322
594671.07 4129984.14 0.01001
594721.07 4129984.14 0.00770
594771.07 4129984.14 0.00612
594821.07 4129984.14 0.00493
593821.07 4130034.14 0.00157
593871.07 4130034.14 0.00187
593921.07 4130034.14 0.00230
593971.07 4130034.14 0.00296
594021.07 4130034.14 0.00393
594071.07 4130034.14 0.00546
594121.07 4130034.14 0.00812
594171.07 4130034.14 0.02155
594221.07 4130034.14 0.08474
594271.07 4130034.14 0.14355
594321.07 4130034.14 0.11780
594371.07 4130034.14 0.07583
594421.07 4130034.14 0.04717
594471.07 4130034.14 0.02996
594521.07 4130034.14 0.01976
594571.07 4130034.14 0.01371
594621.07 4130034.14 0.00997
594671.07 4130034.14 0.00750
594721.07 4130034.14 0.00580
594771.07 4130034.14 0.00462
594821.07 4130034.14 0.00376
593821.07 4130084.14 0.00212
593871.07 4130084.14 0.00263
593921.07 4130084.14 0.00343
593971.07 4130084.14 0.00468
594021.07 4130084.14 0.00691
594071.07 4130084.14 0.01160
594121.07 4130084.14 0.02540
594271.07 4130084.14 0.26004
594321.07 4130084.14 0.11939
594371.07 4130084.14 0.05829
594421.07 4130084.14 0.03173

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_ON ***
INCLUDING SOURCE(S):
PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.01916	594521.07	4130084.14	0.01258
594571.07	4130084.14	0.00891	594621.07	4130084.14	0.00664
594671.07	4130084.14	0.00512	594721.07	4130084.14	0.00405
594771.07	4130084.14	0.00330	594821.07	4130084.14	0.00274
593821.07	4130134.14	0.00270	593871.07	4130134.14	0.00350
593921.07	4130134.14	0.00487	593971.07	4130134.14	0.00727
594021.07	4130134.14	0.01237	594071.07	4130134.14	0.02614
594121.07	4130134.14	0.07533	594271.07	4130134.14	0.15476
594321.07	4130134.14	0.05457	594371.07	4130134.14	0.02678
594421.07	4130134.14	0.01559	594471.07	4130134.14	0.01049
594521.07	4130134.14	0.00750	594571.07	4130134.14	0.00565
594621.07	4130134.14	0.00443	594671.07	4130134.14	0.00358
594721.07	4130134.14	0.00294	594771.07	4130134.14	0.00247
594821.07	4130134.14	0.00211	593821.07	4130184.14	0.00336

```
         593871.07    4130184.14        0.00463
593921.07    4130184.14        0.00685
         593971.07    4130184.14        0.01114
594021.07    4130184.14        0.02001
         594071.07    4130184.14        0.03991
594121.07    4130184.14        0.08374
         594171.07    4130184.14        0.11894
594221.07    4130184.14        0.07291
         594271.07    4130184.14        0.03545
594321.07    4130184.14        0.02147
         594371.07    4130184.14        0.01380
594421.07    4130184.14        0.00932
         594471.07    4130184.14        0.00681
594521.07    4130184.14        0.00526
         594571.07    4130184.14        0.00421
594621.07    4130184.14        0.00347
         594671.07    4130184.14        0.00289
594721.07    4130184.14        0.00245
         594771.07    4130184.14        0.00211
594821.07    4130184.14        0.00183
         593821.07    4130234.14        0.00446
593871.07    4130234.14        0.00626
         593921.07    4130234.14        0.00920
593971.07    4130234.14        0.01472
         594021.07    4130234.14        0.02325
594071.07    4130234.14        0.03463
         594121.07    4130234.14        0.04303
594171.07    4130234.14        0.04016
         594221.07    4130234.14        0.02594
594371.07    4130234.14        0.01008
         594421.07    4130234.14        0.00740
594471.07    4130234.14        0.00557
         594521.07    4130234.14        0.00433
594571.07    4130234.14        0.00352
         594621.07    4130234.14        0.00295
594671.07    4130234.14        0.00251
         594721.07    4130234.14        0.00217
594771.07    4130234.14        0.00189
         594821.07    4130234.14        0.00167
593821.07    4130284.14        0.00561
         593871.07    4130284.14        0.00753
593921.07    4130284.14        0.00974
         593971.07    4130284.14        0.01489
594021.07    4130284.14        0.01933
         594071.07    4130284.14        0.02198
594121.07    4130284.14        0.02242
         594171.07    4130284.14        0.01966
594221.07    4130284.14        0.01371
         594271.07    4130284.14        0.00994
594321.07    4130284.14        0.00815
         594371.07    4130284.14        0.00718
594421.07    4130284.14        0.00607
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_ON ***
INCLUDING SOURCE(S):
PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00492	594521.07	4130284.14	0.00388
594571.07	4130284.14	0.00317	594621.07	4130284.14	0.00262
594671.07	4130284.14	0.00222	594721.07	4130284.14	0.00192
594771.07	4130284.14	0.00169	594821.07	4130284.14	0.00151
593821.07	4130334.14	0.00626	593871.07	4130334.14	0.00749
593921.07	4130334.14	0.00905	593971.07	4130334.14	0.01245
594021.07	4130334.14	0.01347	594071.07	4130334.14	0.01357
594121.07	4130334.14	0.01358	594171.07	4130334.14	0.01164
594221.07	4130334.14	0.00847	594271.07	4130334.14	0.00664
594321.07	4130334.14	0.00554	594371.07	4130334.14	0.00488
594421.07	4130334.14	0.00456	594471.07	4130334.14	0.00413
594521.07	4130334.14	0.00359	594571.07	4130334.14	0.00300
594621.07	4130334.14	0.00249	594671.07	4130334.14	0.00207
594721.07	4130334.14	0.00177	594771.07	4130334.14	0.00155

```
         594821.07    4130334.14        0.00137
593821.07    4130384.14        0.00635
         593871.07    4130384.14        0.00691
593921.07    4130384.14        0.00730
         593971.07    4130384.14        0.00929
594021.07    4130384.14        0.00924
         594071.07    4130384.14        0.00921
594121.07    4130384.14        0.00927
         594171.07    4130384.14        0.00781
594221.07    4130384.14        0.00581
         594271.07    4130384.14        0.00478
594321.07    4130384.14        0.00414
         594371.07    4130384.14        0.00357
594421.07    4130384.14        0.00329
         594471.07    4130384.14        0.00319
594521.07    4130384.14        0.00301
         594571.07    4130384.14        0.00272
594621.07    4130384.14        0.00236
         594671.07    4130384.14        0.00202
594721.07    4130384.14        0.00173
         594771.07    4130384.14        0.00149
594821.07    4130384.14        0.00130
         593821.07    4130434.14        0.00538
593871.07    4130434.14        0.00587
         593921.07    4130434.14        0.00593
593971.07    4130434.14        0.00683
         594021.07    4130434.14        0.00665
594071.07    4130434.14        0.00682
         594121.07    4130434.14        0.00677
594171.07    4130434.14        0.00556
         594221.07    4130434.14        0.00427
594271.07    4130434.14        0.00362
         594321.07    4130434.14        0.00325
594371.07    4130434.14        0.00283
         594421.07    4130434.14        0.00250
594471.07    4130434.14        0.00238
         594521.07    4130434.14        0.00235
594571.07    4130434.14        0.00228
         594621.07    4130434.14        0.00214
594671.07    4130434.14        0.00192
         594721.07    4130434.14        0.00169
594771.07    4130434.14        0.00148
         594821.07    4130434.14        0.00128
593821.07    4130484.14        0.00510
         593871.07    4130484.14        0.00523
593921.07    4130484.14        0.00476
         593971.07    4130484.14        0.00513
594021.07    4130484.14        0.00510
         594071.07    4130484.14        0.00534
594121.07    4130484.14        0.00517
         594171.07    4130484.14        0.00417
594221.07    4130484.14        0.00325
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_ON ***
INCLUDING SOURCE(S):
PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00279	594321.07	4130484.14	0.00257
594371.07	4130484.14	0.00234	594421.07	4130484.14	0.00205
594471.07	4130484.14	0.00186	594521.07	4130484.14	0.00182
594571.07	4130484.14	0.00182	594621.07	4130484.14	0.00179
594671.07	4130484.14	0.00172	594721.07	4130484.14	0.00159
594771.07	4130484.14	0.00144	594821.07	4130484.14	0.00128
593821.07	4130534.14	0.00431	593871.07	4130534.14	0.00419
593921.07	4130534.14	0.00376	593971.07	4130534.14	0.00395
594021.07	4130534.14	0.00414	594071.07	4130534.14	0.00433
594121.07	4130534.14	0.00406	594171.07	4130534.14	0.00323
594221.07	4130534.14	0.00257	594271.07	4130534.14	0.00225
594321.07	4130534.14	0.00208	594371.07	4130534.14	0.00195
594421.07	4130534.14	0.00176	594471.07	4130534.14	0.00156
594521.07	4130534.14	0.00145	594571.07	4130534.14	0.00143

```
         594621.07    4130534.14        0.00143
594671.07    4130534.14        0.00133
         594721.07    4130534.14        0.00131
594771.07    4130534.14        0.00122
         594821.07    4130534.14        0.00112
593821.07    4130584.14        0.00349
         593871.07    4130584.14        0.00335
593921.07    4130584.14        0.00320
         593971.07    4130584.14        0.00317
594021.07    4130584.14        0.00333
         594071.07    4130584.14        0.00339
594121.07    4130584.14        0.00308
         594171.07    4130584.14        0.00247
594221.07    4130584.14        0.00199
         594271.07    4130584.14        0.00175
594321.07    4130584.14        0.00157
         594371.07    4130584.14        0.00149
594421.07    4130584.14        0.00137
         594471.07    4130584.14        0.00121
594521.07    4130584.14        0.00110
         594571.07    4130584.14        0.00106
594621.07    4130584.14        0.00107
         594671.07    4130584.14        0.00108
594721.07    4130584.14        0.00108
         594771.07    4130584.14        0.00106
594821.07    4130584.14        0.00102
         593821.07    4130634.14        0.00296
593871.07    4130634.14        0.00280
         593921.07    4130634.14        0.00273
593971.07    4130634.14        0.00275
         594021.07    4130634.14        0.00287
594071.07    4130634.14        0.00288
         594121.07    4130634.14        0.00253
594171.07    4130634.14        0.00200
         594221.07    4130634.14        0.00162
594271.07    4130634.14        0.00143
         594321.07    4130634.14        0.00132
594371.07    4130634.14        0.00126
         594421.07    4130634.14        0.00121
594471.07    4130634.14        0.00112
         594521.07    4130634.14        0.00101
594571.07    4130634.14        0.00100
         594621.07    4130634.14        0.00098
594671.07    4130634.14        0.00099
         594721.07    4130634.14        0.00101
594771.07    4130634.14        0.00102
         594821.07    4130634.14        0.00101
593821.07    4130684.14        0.00246
         593871.07    4130684.14        0.00236
593921.07    4130684.14        0.00233
         593971.07    4130684.14        0.00245
594021.07    4130684.14        0.00252
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_ON ***
INCLUDING SOURCE(S):
PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00255	594121.07	4130684.14	0.00227
594171.07	4130684.14	0.00180	594221.07	4130684.14	0.00148
594271.07	4130684.14	0.00134	594321.07	4130684.14	0.00126
594371.07	4130684.14	0.00121	594421.07	4130684.14	0.00118
594471.07	4130684.14	0.00112	594521.07	4130684.14	0.00101
594571.07	4130684.14	0.00090	594621.07	4130684.14	0.00085
594671.07	4130684.14	0.00084	594721.07	4130684.14	0.00085
594771.07	4130684.14	0.00087	594821.07	4130684.14	0.00088
593821.07	4130734.14	0.00208	593871.07	4130734.14	0.00203
593921.07	4130734.14	0.00205	593971.07	4130734.14	0.00218
594021.07	4130734.14	0.00227	594071.07	4130734.14	0.00219
594121.07	4130734.14	0.00190	594171.07	4130734.14	0.00153
594221.07	4130734.14	0.00128	594271.07	4130734.14	0.00117
594321.07	4130734.14	0.00110	594371.07	4130734.14	0.00105

```
         594421.07    4130734.14        0.00103
594471.07    4130734.14        0.00100
         594521.07    4130734.14        0.00093
594571.07    4130734.14        0.00083
         594621.07    4130734.14        0.00076
594671.07    4130734.14        0.00072
         594721.07    4130734.14        0.00072
594771.07    4130734.14        0.00074
         594821.07    4130734.14        0.00075
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_OFF ***
INCLUDING SOURCE(S):
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 ,
A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00000	594132.05	4130211.12	0.00000
593821.07	4129734.14	0.00000	593871.07	4129734.14	0.00000
593921.07	4129734.14	0.00000	593971.07	4129734.14	0.00000
594021.07	4129734.14	0.00000	594071.07	4129734.14	0.00000
594121.07	4129734.14	0.00000	594171.07	4129734.14	0.00000
594221.07	4129734.14	0.00000	594271.07	4129734.14	0.00000
594321.07	4129734.14	0.00000	594371.07	4129734.14	0.00000
594421.07	4129734.14	0.00000	594471.07	4129734.14	0.00000
594521.07	4129734.14	0.00000	594571.07	4129734.14	0.00000
594621.07	4129734.14	0.00000	594671.07	4129734.14	0.00000
594721.07	4129734.14	0.00000	594771.07	4129734.14	0.00000
594821.07	4129734.14	0.00000	593821.07	4129784.14	0.00000
593871.07	4129784.14	0.00000			

```
593921.07    4129784.14        0.00000
         593971.07    4129784.14        0.00000
594021.07    4129784.14        0.00000
         594071.07    4129784.14        0.00000
594121.07    4129784.14        0.00000
         594171.07    4129784.14        0.00000
594221.07    4129784.14        0.00000
         594271.07    4129784.14        0.00000
594321.07    4129784.14        0.00000
         594371.07    4129784.14        0.00000
594421.07    4129784.14        0.00000
         594471.07    4129784.14        0.00000
594521.07    4129784.14        0.00000
         594571.07    4129784.14        0.00000
594621.07    4129784.14        0.00000
         594671.07    4129784.14        0.00000
594721.07    4129784.14        0.00000
         594771.07    4129784.14        0.00000
594821.07    4129784.14        0.00000
         593821.07    4129834.14        0.00000
593871.07    4129834.14        0.00000
         593921.07    4129834.14        0.00000
593971.07    4129834.14        0.00000
         594021.07    4129834.14        0.00000
594071.07    4129834.14        0.00000
         594121.07    4129834.14        0.00000
594171.07    4129834.14        0.00000
         594221.07    4129834.14        0.00000
594271.07    4129834.14        0.00000
         594321.07    4129834.14        0.00000
594371.07    4129834.14        0.00000
         594421.07    4129834.14        0.00000
594471.07    4129834.14        0.00000
         594521.07    4129834.14        0.00000
594571.07    4129834.14        0.00000
         594621.07    4129834.14        0.00000
594671.07    4129834.14        0.00000
         594721.07    4129834.14        0.00000
594771.07    4129834.14        0.00000
         594821.07    4129834.14        0.00000
593821.07    4129884.14        0.00000
         593871.07    4129884.14        0.00000
593921.07    4129884.14        0.00000
         593971.07    4129884.14        0.00000
594021.07    4129884.14        0.00000
         594071.07    4129884.14        0.00000
594121.07    4129884.14        0.00000
         594171.07    4129884.14        0.00000
594221.07    4129884.14        0.00000
         594271.07    4129884.14        0.00000
594321.07    4129884.14        0.00000
         594371.07    4129884.14        0.00000
```

```
594421.07    4129884.14        0.00000
         594471.07    4129884.14        0.00000
594521.07    4129884.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_OFF ***
INCLUDING SOURCE(S):
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 ,
A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00000	594621.07	4129884.14	0.00000
594671.07	4129884.14	0.00000	594721.07	4129884.14	0.00000
594771.07	4129884.14	0.00000	594821.07	4129884.14	0.00000
593821.07	4129934.14	0.00000	593871.07	4129934.14	0.00000
593921.07	4129934.14	0.00000	593971.07	4129934.14	0.00000
594021.07	4129934.14	0.00000	594071.07	4129934.14	0.00000
594121.07	4129934.14	0.00000	594171.07	4129934.14	0.00000
594221.07	4129934.14	0.00000	594271.07	4129934.14	0.00000
594321.07	4129934.14	0.00000	594371.07	4129934.14	0.00000
594421.07	4129934.14	0.00000	594471.07	4129934.14	0.00000
594521.07	4129934.14	0.00000	594571.07	4129934.14	0.00000
594621.07	4129934.14	0.00000	594671.07	4129934.14	0.00000
594721.07	4129934.14	0.00000			

```
594771.07    4129934.14        0.00000
         594821.07    4129934.14        0.00000
593821.07    4129984.14        0.00000
         593871.07    4129984.14        0.00000
593921.07    4129984.14        0.00000
         593971.07    4129984.14        0.00000
594021.07    4129984.14        0.00000
         594071.07    4129984.14        0.00000
594121.07    4129984.14        0.00000
         594171.07    4129984.14        0.00000
594221.07    4129984.14        0.00000
         594271.07    4129984.14        0.00000
594321.07    4129984.14        0.00000
         594371.07    4129984.14        0.00000
594421.07    4129984.14        0.00001
         594471.07    4129984.14        0.00000
594521.07    4129984.14        0.00000
         594571.07    4129984.14        0.00000
594621.07    4129984.14        0.00000
         594671.07    4129984.14        0.00000
594721.07    4129984.14        0.00000
         594771.07    4129984.14        0.00000
594821.07    4129984.14        0.00000
         593821.07    4130034.14        0.00000
593871.07    4130034.14        0.00000
         593921.07    4130034.14        0.00000
593971.07    4130034.14        0.00000
         594021.07    4130034.14        0.00000
594071.07    4130034.14        0.00000
         594121.07    4130034.14        0.00000
594171.07    4130034.14        0.00000
         594221.07    4130034.14        0.00000
594271.07    4130034.14        0.00000
         594321.07    4130034.14        0.00001
594371.07    4130034.14        0.00001
         594421.07    4130034.14        0.00001
594471.07    4130034.14        0.00001
         594521.07    4130034.14        0.00001
594571.07    4130034.14        0.00000
         594621.07    4130034.14        0.00000
594671.07    4130034.14        0.00000
         594721.07    4130034.14        0.00000
594771.07    4130034.14        0.00000
         594821.07    4130034.14        0.00000
593821.07    4130084.14        0.00000
         593871.07    4130084.14        0.00000
593921.07    4130084.14        0.00000
         593971.07    4130084.14        0.00000
594021.07    4130084.14        0.00000
         594071.07    4130084.14        0.00000
594121.07    4130084.14        0.00000
         594271.07    4130084.14        0.00003
```

```
594321.07    4130084.14        0.00002
         594371.07    4130084.14        0.00001
594421.07    4130084.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_OFF ***
INCLUDING SOURCE(S):
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 ,
A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00001	594521.07	4130084.14	0.00001
594571.07	4130084.14	0.00000	594621.07	4130084.14	0.00000
594671.07	4130084.14	0.00000	594721.07	4130084.14	0.00000
594771.07	4130084.14	0.00000	594821.07	4130084.14	0.00000
593821.07	4130134.14	0.00000	593871.07	4130134.14	0.00000
593921.07	4130134.14	0.00000	593971.07	4130134.14	0.00000
594021.07	4130134.14	0.00000	594071.07	4130134.14	0.00000
594121.07	4130134.14	0.00000	594271.07	4130134.14	0.00004
594321.07	4130134.14	0.00002	594371.07	4130134.14	0.00001
594421.07	4130134.14	0.00001	594471.07	4130134.14	0.00001
594521.07	4130134.14	0.00001	594571.07	4130134.14	0.00001
594621.07	4130134.14	0.00000	594671.07	4130134.14	0.00000
594721.07	4130134.14	0.00000			

```
594771.07    4130134.14        0.00000
         594821.07    4130134.14        0.00000
593821.07    4130184.14        0.00000
         593871.07    4130184.14        0.00000
593921.07    4130184.14        0.00000
         593971.07    4130184.14        0.00000
594021.07    4130184.14        0.00000
         594071.07    4130184.14        0.00000
594121.07    4130184.14        0.00000
         594171.07    4130184.14        0.00001
594221.07    4130184.14        0.00002
         594271.07    4130184.14        0.00004
594321.07    4130184.14        0.00002
         594371.07    4130184.14        0.00001
594421.07    4130184.14        0.00001
         594471.07    4130184.14        0.00001
594521.07    4130184.14        0.00001
         594571.07    4130184.14        0.00001
594621.07    4130184.14        0.00001
         594671.07    4130184.14        0.00000
594721.07    4130184.14        0.00000
         594771.07    4130184.14        0.00000
594821.07    4130184.14        0.00000
         593821.07    4130234.14        0.00000
593871.07    4130234.14        0.00000
         593921.07    4130234.14        0.00000
593971.07    4130234.14        0.00000
         594021.07    4130234.14        0.00000
594071.07    4130234.14        0.00000
         594121.07    4130234.14        0.00000
594171.07    4130234.14        0.00001
         594221.07    4130234.14        0.00002
594371.07    4130234.14        0.00001
         594421.07    4130234.14        0.00001
594471.07    4130234.14        0.00001
         594521.07    4130234.14        0.00001
594571.07    4130234.14        0.00001
         594621.07    4130234.14        0.00001
594671.07    4130234.14        0.00001
         594721.07    4130234.14        0.00001
594771.07    4130234.14        0.00001
         594821.07    4130234.14        0.00000
593821.07    4130284.14        0.00000
         593871.07    4130284.14        0.00000
593921.07    4130284.14        0.00000
         593971.07    4130284.14        0.00000
594021.07    4130284.14        0.00000
         594071.07    4130284.14        0.00000
594121.07    4130284.14        0.00000
         594171.07    4130284.14        0.00001
594221.07    4130284.14        0.00002
         594271.07    4130284.14        0.00004
```

```
594321.07    4130284.14        0.00002
         594371.07    4130284.14        0.00001
594421.07    4130284.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_OFF ***
INCLUDING SOURCE(S):
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 ,
A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00001	594521.07	4130284.14	0.00001
594571.07	4130284.14	0.00001	594621.07	4130284.14	0.00001
594671.07	4130284.14	0.00001	594721.07	4130284.14	0.00001
594771.07	4130284.14	0.00001	594821.07	4130284.14	0.00001
593821.07	4130334.14	0.00000	593871.07	4130334.14	0.00000
593921.07	4130334.14	0.00000	593971.07	4130334.14	0.00000
594021.07	4130334.14	0.00000	594071.07	4130334.14	0.00000
594121.07	4130334.14	0.00001	594171.07	4130334.14	0.00001
594221.07	4130334.14	0.00002	594271.07	4130334.14	0.00004
594321.07	4130334.14	0.00002	594371.07	4130334.14	0.00002
594421.07	4130334.14	0.00001	594471.07	4130334.14	0.00001
594521.07	4130334.14	0.00001	594571.07	4130334.14	0.00001
594621.07	4130334.14	0.00001			

```
594671.07    4130334.14        0.00001
         594721.07    4130334.14        0.00001
594771.07    4130334.14        0.00001
         594821.07    4130334.14        0.00001
593821.07    4130384.14        0.00000
         593871.07    4130384.14        0.00000
593921.07    4130384.14        0.00000
         593971.07    4130384.14        0.00000
594021.07    4130384.14        0.00000
         594071.07    4130384.14        0.00000
594121.07    4130384.14        0.00001
         594171.07    4130384.14        0.00001
594221.07    4130384.14        0.00002
         594271.07    4130384.14        0.00002
594321.07    4130384.14        0.00003
         594371.07    4130384.14        0.00002
594421.07    4130384.14        0.00002
         594471.07    4130384.14        0.00002
594521.07    4130384.14        0.00002
         594571.07    4130384.14        0.00002
594621.07    4130384.14        0.00002
         594671.07    4130384.14        0.00002
594721.07    4130384.14        0.00001
         594771.07    4130384.14        0.00001
594821.07    4130384.14        0.00001
         593821.07    4130434.14        0.00000
593871.07    4130434.14        0.00000
         593921.07    4130434.14        0.00000
593971.07    4130434.14        0.00000
         594021.07    4130434.14        0.00000
594071.07    4130434.14        0.00000
         594121.07    4130434.14        0.00001
594171.07    4130434.14        0.00001
         594221.07    4130434.14        0.00001
594271.07    4130434.14        0.00002
         594321.07    4130434.14        0.00004
594371.07    4130434.14        0.00004
         594421.07    4130434.14        0.00004
594471.07    4130434.14        0.00004
         594521.07    4130434.14        0.00003
594571.07    4130434.14        0.00003
         594621.07    4130434.14        0.00003
594671.07    4130434.14        0.00002
         594721.07    4130434.14        0.00001
594771.07    4130434.14        0.00001
         594821.07    4130434.14        0.00000
593821.07    4130484.14        0.00000
         593871.07    4130484.14        0.00000
593921.07    4130484.14        0.00000
         593971.07    4130484.14        0.00000
594021.07    4130484.14        0.00000
         594071.07    4130484.14        0.00000
```

```
594121.07    4130484.14        0.00001
         594171.07    4130484.14        0.00001
594221.07    4130484.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_OFF ***
INCLUDING SOURCE(S):
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 ,
A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00003	594321.07	4130484.14	0.00003
594371.07	4130484.14	0.00003	594421.07	4130484.14	0.00003
594471.07	4130484.14	0.00003	594521.07	4130484.14	0.00003
594571.07	4130484.14	0.00003	594621.07	4130484.14	0.00002
594671.07	4130484.14	0.00001	594721.07	4130484.14	0.00000
594771.07	4130484.14	0.00000	594821.07	4130484.14	0.00000
593821.07	4130534.14	0.00000	593871.07	4130534.14	0.00000
593921.07	4130534.14	0.00000	593971.07	4130534.14	0.00000
594021.07	4130534.14	0.00000	594071.07	4130534.14	0.00000
594121.07	4130534.14	0.00000	594171.07	4130534.14	0.00001
594221.07	4130534.14	0.00001	594271.07	4130534.14	0.00001
594321.07	4130534.14	0.00001	594371.07	4130534.14	0.00001
594421.07	4130534.14	0.00001			

```
594471.07    4130534.14        0.00001
         594521.07    4130534.14        0.00001
594571.07    4130534.14        0.00001
         594621.07    4130534.14        0.00001
594671.07    4130534.14        0.00000
         594721.07    4130534.14        0.00000
594771.07    4130534.14        0.00000
         594821.07    4130534.14        0.00000
593821.07    4130584.14        0.00000
         593871.07    4130584.14        0.00000
593921.07    4130584.14        0.00000
         593971.07    4130584.14        0.00000
594021.07    4130584.14        0.00000
         594071.07    4130584.14        0.00000
594121.07    4130584.14        0.00000
         594171.07    4130584.14        0.00001
594221.07    4130584.14        0.00001
         594271.07    4130584.14        0.00001
594321.07    4130584.14        0.00001
         594371.07    4130584.14        0.00001
594421.07    4130584.14        0.00001
         594471.07    4130584.14        0.00001
594521.07    4130584.14        0.00000
         594571.07    4130584.14        0.00000
594621.07    4130584.14        0.00000
         594671.07    4130584.14        0.00000
594721.07    4130584.14        0.00000
         594771.07    4130584.14        0.00000
594821.07    4130584.14        0.00000
         593821.07    4130634.14        0.00000
593871.07    4130634.14        0.00000
         593921.07    4130634.14        0.00000
593971.07    4130634.14        0.00000
         594021.07    4130634.14        0.00000
594071.07    4130634.14        0.00000
         594121.07    4130634.14        0.00000
594171.07    4130634.14        0.00000
         594221.07    4130634.14        0.00000
594271.07    4130634.14        0.00000
         594321.07    4130634.14        0.00000
594371.07    4130634.14        0.00000
         594421.07    4130634.14        0.00000
594471.07    4130634.14        0.00000
         594521.07    4130634.14        0.00000
594571.07    4130634.14        0.00000
         594621.07    4130634.14        0.00000
594671.07    4130634.14        0.00000
         594721.07    4130634.14        0.00000
594771.07    4130634.14        0.00000
         594821.07    4130634.14        0.00000
593821.07    4130684.14        0.00000
         593871.07    4130684.14        0.00000
```

```
593921.07    4130684.14        0.00000
         593971.07    4130684.14        0.00000
594021.07    4130684.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_P_OFF ***
INCLUDING SOURCE(S):
A0000041 , A0000042 , A0000043 , A0000044 , A0000045 ,
A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00000	594121.07	4130684.14	0.00000
594171.07	4130684.14	0.00000	594221.07	4130684.14	0.00000
594271.07	4130684.14	0.00000	594321.07	4130684.14	0.00000
594371.07	4130684.14	0.00000	594421.07	4130684.14	0.00000
594471.07	4130684.14	0.00000	594521.07	4130684.14	0.00000
594571.07	4130684.14	0.00000	594621.07	4130684.14	0.00000
594671.07	4130684.14	0.00000	594721.07	4130684.14	0.00000
594771.07	4130684.14	0.00000	594821.07	4130684.14	0.00000
593821.07	4130734.14	0.00000	593871.07	4130734.14	0.00000
593921.07	4130734.14	0.00000	593971.07	4130734.14	0.00000
594021.07	4130734.14	0.00000	594071.07	4130734.14	0.00000
594121.07	4130734.14	0.00000	594171.07	4130734.14	0.00000
594221.07	4130734.14	0.00000			

```
594271.07    4130734.14        0.00000
         594321.07    4130734.14        0.00000
594371.07    4130734.14        0.00000
         594421.07    4130734.14        0.00000
594471.07    4130734.14        0.00000
         594521.07    4130734.14        0.00000
594571.07    4130734.14        0.00000
         594621.07    4130734.14        0.00000
594671.07    4130734.14        0.00000
         594721.07    4130734.14        0.00000
594771.07    4130734.14        0.00000
         594821.07    4130734.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ON *** INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.05106	594132.05	4130211.12	0.07165
593821.07	4129734.14	0.00061	593871.07	4129734.14	0.00053
593921.07	4129734.14	0.00047	593971.07	4129734.14	0.00042
594021.07	4129734.14	0.00050	594071.07	4129734.14	0.00074
594121.07	4129734.14	0.00121	594171.07	4129734.14	0.00175
594221.07	4129734.14	0.00231	594271.07	4129734.14	0.00301
594321.07	4129734.14	0.00395	594371.07	4129734.14	0.00521
594421.07	4129734.14	0.00674	594471.07	4129734.14	0.00832
594521.07	4129734.14	0.00976	594571.07	4129734.14	0.01080
594621.07	4129734.14	0.01146	594671.07	4129734.14	0.01191
594721.07	4129734.14	0.01186	594771.07	4129734.14	0.01194
594821.07	4129734.14	0.01151	593821.07	4129784.14	0.00080
593871.07	4129784.14	0.00073	593921.07	4129784.14	0.00068
593971.07	4129784.14	0.00060	594021.07	4129784.14	0.00061

```
         594071.07    4129784.14        0.00083
594121.07    4129784.14        0.00140
         594171.07    4129784.14        0.00212
594221.07    4129784.14        0.00294
         594271.07    4129784.14        0.00406
594321.07    4129784.14        0.00561
         594371.07    4129784.14        0.00769
594421.07    4129784.14        0.00999
         594471.07    4129784.14        0.01210
594521.07    4129784.14        0.01366
         594571.07    4129784.14        0.01464
594621.07    4129784.14        0.01510
         594671.07    4129784.14        0.01514
594721.07    4129784.14        0.01468
         594771.07    4129784.14        0.01410
594821.07    4129784.14        0.01307
         593821.07    4129834.14        0.00099
593871.07    4129834.14        0.00101
         593921.07    4129834.14        0.00098
593971.07    4129834.14        0.00088
         594021.07    4129834.14        0.00082
594071.07    4129834.14        0.00099
         594121.07    4129834.14        0.00166
594171.07    4129834.14        0.00271
         594221.07    4129834.14        0.00401
594271.07    4129834.14        0.00592
         594321.07    4129834.14        0.00877
594371.07    4129834.14        0.01224
         594421.07    4129834.14        0.01551
594471.07    4129834.14        0.01784
         594521.07    4129834.14        0.01914
594571.07    4129834.14        0.01961
         594621.07    4129834.14        0.01941
594671.07    4129834.14        0.01862
         594721.07    4129834.14        0.01739
594771.07    4129834.14        0.01596
         594821.07    4129834.14        0.01444
593821.07    4129884.14        0.00114
         593871.07    4129884.14        0.00128
593921.07    4129884.14        0.00137
         593971.07    4129884.14        0.00136
594021.07    4129884.14        0.00126
         594071.07    4129884.14        0.00133
594121.07    4129884.14        0.00212
         594171.07    4129884.14        0.00366
594221.07    4129884.14        0.00580
         594271.07    4129884.14        0.00963
594321.07    4129884.14        0.01514
         594371.07    4129884.14        0.02074
594421.07    4129884.14        0.02464
         594471.07    4129884.14        0.02631
594521.07    4129884.14        0.02642
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ON ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.02550	594621.07	4129884.14	0.02383
594671.07	4129884.14	0.02178	594721.07	4129884.14	0.01952
594771.07	4129884.14	0.01734	594821.07	4129884.14	0.01527
593821.07	4129934.14	0.00132	593871.07	4129934.14	0.00151
593921.07	4129934.14	0.00177	593971.07	4129934.14	0.00199
594021.07	4129934.14	0.00205	594071.07	4129934.14	0.00204
594121.07	4129934.14	0.00284	594171.07	4129934.14	0.00540
594221.07	4129934.14	0.00987	594271.07	4129934.14	0.01877
594321.07	4129934.14	0.02985	594371.07	4129934.14	0.03713
594421.07	4129934.14	0.03873	594471.07	4129934.14	0.03723
594521.07	4129934.14	0.03445	594571.07	4129934.14	0.03117
594621.07	4129934.14	0.02771	594671.07	4129934.14	0.02427
594721.07	4129934.14	0.02099	594771.07	4129934.14	0.01811
594821.07	4129934.14	0.01548	593821.07	4129984.14	0.00165

593871.07 4129984.14 0.00188
593921.07 4129984.14 0.00223
593971.07 4129984.14 0.00272
594021.07 4129984.14 0.00321
594071.07 4129984.14 0.00362
594121.07 4129984.14 0.00456
594171.07 4129984.14 0.00917
594221.07 4129984.14 0.02209
594271.07 4129984.14 0.04686
594321.07 4129984.14 0.06439
594371.07 4129984.14 0.06353
594421.07 4129984.14 0.05531
594471.07 4129984.14 0.04755
594521.07 4129984.14 0.04126
594571.07 4129984.14 0.03574
594621.07 4129984.14 0.03062
594671.07 4129984.14 0.02591
594721.07 4129984.14 0.02153
594771.07 4129984.14 0.01787
594821.07 4129984.14 0.01469
593821.07 4130034.14 0.00216
593871.07 4130034.14 0.00251
593921.07 4130034.14 0.00303
593971.07 4130034.14 0.00381
594021.07 4130034.14 0.00493
594071.07 4130034.14 0.00662
594121.07 4130034.14 0.00934
594171.07 4130034.14 0.02278
594221.07 4130034.14 0.08648
594271.07 4130034.14 0.14687
594321.07 4130034.14 0.12391
594371.07 4130034.14 0.08710
594421.07 4130034.14 0.06615
594471.07 4130034.14 0.05549
594521.07 4130034.14 0.04740
594571.07 4130034.14 0.03971
594621.07 4130034.14 0.03245
594671.07 4130034.14 0.02592
594721.07 4130034.14 0.02040
594771.07 4130034.14 0.01611
594821.07 4130034.14 0.01283
593821.07 4130084.14 0.00286
593871.07 4130084.14 0.00346
593921.07 4130084.14 0.00438
593971.07 4130084.14 0.00577
594021.07 4130084.14 0.00820
594071.07 4130084.14 0.01318
594121.07 4130084.14 0.02733
594271.07 4130084.14 0.26541
594321.07 4130084.14 0.13196
594371.07 4130084.14 0.08603
594421.07 4130084.14 0.07530

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ON *** INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.06741	594521.07	4130084.14	0.05476
594571.07	4130084.14	0.04196	594621.07	4130084.14	0.03123
594671.07	4130084.14	0.02309	594721.07	4130084.14	0.01726
594771.07	4130084.14	0.01320	594821.07	4130084.14	0.01033
593821.07	4130134.14	0.00363	593871.07	4130134.14	0.00457
593921.07	4130134.14	0.00612	593971.07	4130134.14	0.00876
594021.07	4130134.14	0.01418	594071.07	4130134.14	0.02841
594121.07	4130134.14	0.07830	594271.07	4130134.14	0.16693
594321.07	4130134.14	0.09755	594371.07	4130134.14	0.11576
594421.07	4130134.14	0.11581	594471.07	4130134.14	0.08758
594521.07	4130134.14	0.05767	594571.07	4130134.14	0.03756
594621.07	4130134.14	0.02535	594671.07	4130134.14	0.01785
594721.07	4130134.14	0.01304	594771.07	4130134.14	0.00998
594821.07	4130134.14	0.00786	593821.07	4130184.14	0.00455

```
         593871.07    4130184.14        0.00603
593921.07    4130184.14        0.00853
         593971.07    4130184.14        0.01321
594021.07    4130184.14        0.02266
         594071.07    4130184.14        0.04345
594121.07    4130184.14        0.08874
         594171.07    4130184.14        0.12683
594221.07    4130184.14        0.08794
         594271.07    4130184.14        0.09741
594321.07    4130184.14        0.24556
         594371.07    4130184.14        0.29124
594421.07    4130184.14        0.16044
         594471.07    4130184.14        0.07739
594521.07    4130184.14        0.04147
         594571.07    4130184.14        0.02520
594621.07    4130184.14        0.01701
         594671.07    4130184.14        0.01216
594721.07    4130184.14        0.00915
         594771.07    4130184.14        0.00717
594821.07    4130184.14        0.00580
         593821.07    4130234.14        0.00591
593871.07    4130234.14        0.00799
         593921.07    4130234.14        0.01127
593971.07    4130234.14        0.01749
         594021.07    4130234.14        0.02698
594071.07    4130234.14        0.04000
         594121.07    4130234.14        0.05172
594171.07    4130234.14        0.05747
         594221.07    4130234.14        0.07531
594371.07    4130234.14        0.21675
         594421.07    4130234.14        0.08326
594471.07    4130234.14        0.03664
         594521.07    4130234.14        0.02110
594571.07    4130234.14        0.01431
         594621.07    4130234.14        0.01055
594671.07    4130234.14        0.00814
         594721.07    4130234.14        0.00647
594771.07    4130234.14        0.00533
         594821.07    4130234.14        0.00447
593821.07    4130284.14        0.00724
         593871.07    4130284.14        0.00941
593921.07    4130284.14        0.01204
         593971.07    4130284.14        0.01843
594021.07    4130284.14        0.02450
         594071.07    4130284.14        0.03021
594121.07    4130284.14        0.03708
         594171.07    4130284.14        0.04930
594221.07    4130284.14        0.07769
         594271.07    4130284.14        0.10804
594321.07    4130284.14        0.09275
         594371.07    4130284.14        0.04908
594421.07    4130284.14        0.02896
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ON *** INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.01902	594521.07	4130284.14	0.01312
594571.07	4130284.14	0.01005	594621.07	4130284.14	0.00784
594671.07	4130284.14	0.00631	594721.07	4130284.14	0.00523
594771.07	4130284.14	0.00442	594821.07	4130284.14	0.00380
593821.07	4130334.14	0.00822	593871.07	4130334.14	0.00976
593921.07	4130334.14	0.01197	593971.07	4130334.14	0.01732
594021.07	4130334.14	0.02068	594071.07	4130334.14	0.02486
594121.07	4130334.14	0.03183	594171.07	4130334.14	0.03999
594221.07	4130334.14	0.04558	594271.07	4130334.14	0.04458
594321.07	4130334.14	0.03398	594371.07	4130334.14	0.02276
594421.07	4130334.14	0.01749	594471.07	4130334.14	0.01398
594521.07	4130334.14	0.01096	594571.07	4130334.14	0.00849
594621.07	4130334.14	0.00670	594671.07	4130334.14	0.00545
594721.07	4130334.14	0.00456	594771.07	4130334.14	0.00390

```
          594821.07    4130334.14         0.00339
593821.07    4130384.14         0.00887
          593871.07    4130384.14         0.00983
593921.07    4130384.14         0.01093
          593971.07    4130384.14         0.01536
594021.07    4130384.14         0.01778
          594071.07    4130384.14         0.02124
594121.07    4130384.14         0.02538
          594171.07    4130384.14         0.02688
594221.07    4130384.14         0.02594
          594271.07    4130384.14         0.02330
594321.07    4130384.14         0.01845
          594371.07    4130384.14         0.01355
594421.07    4130384.14         0.01112
          594471.07    4130384.14         0.00989
594521.07    4130384.14         0.00886
          594571.07    4130384.14         0.00751
594621.07    4130384.14         0.00615
          594671.07    4130384.14         0.00503
594721.07    4130384.14         0.00419
          594771.07    4130384.14         0.00356
594821.07    4130384.14         0.00308
          593821.07    4130434.14         0.00808
593871.07    4130434.14         0.00925
          593921.07    4130434.14         0.01017
593971.07    4130434.14         0.01340
          594021.07    4130434.14         0.01515
594071.07    4130434.14         0.01732
          594121.07    4130434.14         0.01864
594171.07    4130434.14         0.01778
          594221.07    4130434.14         0.01642
594271.07    4130434.14         0.01469
          594321.07    4130434.14         0.01190
594371.07    4130434.14         0.00934
          594421.07    4130434.14         0.00780
594471.07    4130434.14         0.00694
          594521.07    4130434.14         0.00654
594571.07    4130434.14         0.00615
          594621.07    4130434.14         0.00552
594671.07    4130434.14         0.00474
          594721.07    4130434.14         0.00402
594771.07    4130434.14         0.00341
          594821.07    4130434.14         0.00293
593821.07    4130484.14         0.00842
          593871.07    4130484.14         0.00915
593921.07    4130484.14         0.00943
          593971.07    4130484.14         0.01147
594021.07    4130484.14         0.01254
          594071.07    4130484.14         0.01353
594121.07    4130484.14         0.01350
          594171.07    4130484.14         0.01244
594221.07    4130484.14         0.01154
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ON ***
INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.01025	594321.07	4130484.14	0.00839
594371.07	4130484.14	0.00690	594421.07	4130484.14	0.00594
594471.07	4130484.14	0.00521	594521.07	4130484.14	0.00482
594571.07	4130484.14	0.00469	594621.07	4130484.14	0.00453
594671.07	4130484.14	0.00423	594721.07	4130484.14	0.00380
594771.07	4130484.14	0.00333	594821.07	4130484.14	0.00288
593821.07	4130534.14	0.00783	593871.07	4130534.14	0.00820
593921.07	4130534.14	0.00829	593971.07	4130534.14	0.00942
594021.07	4130534.14	0.01019	594071.07	4130534.14	0.01047
594121.07	4130534.14	0.01007	594171.07	4130534.14	0.00927
594221.07	4130534.14	0.00861	594271.07	4130534.14	0.00756
594321.07	4130534.14	0.00625	594371.07	4130534.14	0.00531
594421.07	4130534.14	0.00472	594471.07	4130534.14	0.00418
594521.07	4130534.14	0.00376	594571.07	4130534.14	0.00355

```
         594621.07    4130534.14        0.00347
594671.07    4130534.14        0.00318
         594721.07    4130534.14        0.00309
594771.07    4130534.14        0.00280
         594821.07    4130534.14        0.00252
593821.07    4130584.14        0.00698
         593871.07    4130584.14        0.00728
593921.07    4130584.14        0.00753
         593971.07    4130584.14        0.00776
594021.07    4130584.14        0.00799
         594071.07    4130584.14        0.00784
594121.07    4130584.14        0.00740
         594171.07    4130584.14        0.00684
594221.07    4130584.14        0.00629
         594271.07    4130584.14        0.00545
594321.07    4130584.14        0.00442
         594371.07    4130584.14        0.00382
594421.07    4130584.14        0.00343
         594471.07    4130584.14        0.00307
594521.07    4130584.14        0.00276
         594571.07    4130584.14        0.00255
594621.07    4130584.14        0.00250
         594671.07    4130584.14        0.00252
594721.07    4130584.14        0.00250
         594771.07    4130584.14        0.00243
594821.07    4130584.14        0.00230
         593821.07    4130634.14        0.00626
593871.07    4130634.14        0.00632
         593921.07    4130634.14        0.00646
593971.07    4130634.14        0.00655
         594021.07    4130634.14        0.00655
594071.07    4130634.14        0.00638
         594121.07    4130634.14        0.00595
594171.07    4130634.14        0.00544
         594221.07    4130634.14        0.00491
594271.07    4130634.14        0.00424
         594321.07    4130634.14        0.00354
594371.07    4130634.14        0.00313
         594421.07    4130634.14        0.00291
594471.07    4130634.14        0.00270
         594521.07    4130634.14        0.00247
594571.07    4130634.14        0.00241
         594621.07    4130634.14        0.00230
594671.07    4130634.14        0.00228
         594721.07    4130634.14        0.00231
594771.07    4130634.14        0.00231
         594821.07    4130634.14        0.00228
593821.07    4130684.14        0.00545
         593871.07    4130684.14        0.00546
593921.07    4130684.14        0.00545
         593971.07    4130684.14        0.00557
594021.07    4130684.14        0.00549
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_ON *** INCLUDING SOURCE(S):
PAREA01 , PAREA02 , PAREA09 , PAREA10 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00543	594121.07	4130684.14	0.00527
594171.07	4130684.14	0.00491	594221.07	4130684.14	0.00442
594271.07	4130684.14	0.00381	594321.07	4130684.14	0.00325
594371.07	4130684.14	0.00291	594421.07	4130684.14	0.00275
594471.07	4130684.14	0.00260	594521.07	4130684.14	0.00241
594571.07	4130684.14	0.00217	594621.07	4130684.14	0.00197
594671.07	4130684.14	0.00189	594721.07	4130684.14	0.00190
594771.07	4130684.14	0.00193	594821.07	4130684.14	0.00195
593821.07	4130734.14	0.00473	593871.07	4130734.14	0.00470
593921.07	4130734.14	0.00468	593971.07	4130734.14	0.00473
594021.07	4130734.14	0.00474	594071.07	4130734.14	0.00467
594121.07	4130734.14	0.00447	594171.07	4130734.14	0.00414
594221.07	4130734.14	0.00371	594271.07	4130734.14	0.00321
594321.07	4130734.14	0.00276	594371.07	4130734.14	0.00249

```
         594421.07    4130734.14        0.00236
594471.07    4130734.14        0.00226
         594521.07    4130734.14        0.00214
594571.07    4130734.14        0.00196
         594621.07    4130734.14        0.00177
594671.07    4130734.14        0.00164
         594721.07    4130734.14        0.00160
594771.07    4130734.14        0.00161
         594821.07    4130734.14        0.00164
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 , A0000041 , A0000042 , A0000043 , A0000044 ,
A0000045 , A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00001	594132.05	4130211.12	0.00001
593821.07	4129734.14	0.00000	593871.07	4129734.14	0.00000
593921.07	4129734.14	0.00000	593971.07	4129734.14	0.00000
594021.07	4129734.14	0.00000	594071.07	4129734.14	0.00000
594121.07	4129734.14	0.00000	594171.07	4129734.14	0.00000
594221.07	4129734.14	0.00000	594271.07	4129734.14	0.00000
594321.07	4129734.14	0.00000	594371.07	4129734.14	0.00000
594421.07	4129734.14	0.00000	594471.07	4129734.14	0.00000
594521.07	4129734.14	0.00000	594571.07	4129734.14	0.00000
594621.07	4129734.14	0.00000	594671.07	4129734.14	0.00000
594721.07	4129734.14	0.00000	594771.07	4129734.14	0.00000

```
         594821.07    4129734.14        0.00000
593821.07    4129784.14        0.00000
         593871.07    4129784.14        0.00000
593921.07    4129784.14        0.00000
         593971.07    4129784.14        0.00000
594021.07    4129784.14        0.00000
         594071.07    4129784.14        0.00000
594121.07    4129784.14        0.00000
         594171.07    4129784.14        0.00000
594221.07    4129784.14        0.00000
         594271.07    4129784.14        0.00000
594321.07    4129784.14        0.00000
         594371.07    4129784.14        0.00000
594421.07    4129784.14        0.00000
         594471.07    4129784.14        0.00000
594521.07    4129784.14        0.00000
         594571.07    4129784.14        0.00000
594621.07    4129784.14        0.00000
         594671.07    4129784.14        0.00000
594721.07    4129784.14        0.00000
         594771.07    4129784.14        0.00001
594821.07    4129784.14        0.00001
         593821.07    4129834.14        0.00000
593871.07    4129834.14        0.00000
         593921.07    4129834.14        0.00000
593971.07    4129834.14        0.00000
         594021.07    4129834.14        0.00000
594071.07    4129834.14        0.00000
         594121.07    4129834.14        0.00000
594171.07    4129834.14        0.00000
         594221.07    4129834.14        0.00000
594271.07    4129834.14        0.00000
         594321.07    4129834.14        0.00000
594371.07    4129834.14        0.00000
         594421.07    4129834.14        0.00000
594471.07    4129834.14        0.00000
         594521.07    4129834.14        0.00000
594571.07    4129834.14        0.00001
         594621.07    4129834.14        0.00001
594671.07    4129834.14        0.00001
         594721.07    4129834.14        0.00001
594771.07    4129834.14        0.00001
         594821.07    4129834.14        0.00001
593821.07    4129884.14        0.00000
         593871.07    4129884.14        0.00000
593921.07    4129884.14        0.00000
         593971.07    4129884.14        0.00000
594021.07    4129884.14        0.00000
         594071.07    4129884.14        0.00000
594121.07    4129884.14        0.00000
         594171.07    4129884.14        0.00000
594221.07    4129884.14        0.00000
```

```
         594271.07    4129884.14        0.00000
594321.07    4129884.14        0.00000
         594371.07    4129884.14        0.00000
594421.07    4129884.14        0.00000
         594471.07    4129884.14        0.00001
594521.07    4129884.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 , A0000041 , A0000042 , A0000043 , A0000044 ,
A0000045 , A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00001	594621.07	4129884.14	0.00001
594671.07	4129884.14	0.00001	594721.07	4129884.14	0.00001
594771.07	4129884.14	0.00001	594821.07	4129884.14	0.00001
593821.07	4129934.14	0.00000	593871.07	4129934.14	0.00000
593921.07	4129934.14	0.00000	593971.07	4129934.14	0.00000
594021.07	4129934.14	0.00000	594071.07	4129934.14	0.00000
594121.07	4129934.14	0.00000	594171.07	4129934.14	0.00000
594221.07	4129934.14	0.00000	594271.07	4129934.14	0.00000
594321.07	4129934.14	0.00000	594371.07	4129934.14	0.00000
594421.07	4129934.14	0.00001	594471.07	4129934.14	0.00001
594521.07	4129934.14	0.00001	594571.07	4129934.14	0.00001

```
         594621.07    4129934.14        0.00001
594671.07    4129934.14        0.00001
         594721.07    4129934.14        0.00001
594771.07    4129934.14        0.00001
         594821.07    4129934.14        0.00001
593821.07    4129984.14        0.00000
         593871.07    4129984.14        0.00000
593921.07    4129984.14        0.00000
         593971.07    4129984.14        0.00000
594021.07    4129984.14        0.00000
         594071.07    4129984.14        0.00000
594121.07    4129984.14        0.00000
         594171.07    4129984.14        0.00000
594221.07    4129984.14        0.00000
         594271.07    4129984.14        0.00000
594321.07    4129984.14        0.00001
         594371.07    4129984.14        0.00001
594421.07    4129984.14        0.00001
         594471.07    4129984.14        0.00001
594521.07    4129984.14        0.00001
         594571.07    4129984.14        0.00001
594621.07    4129984.14        0.00001
         594671.07    4129984.14        0.00001
594721.07    4129984.14        0.00001
         594771.07    4129984.14        0.00001
594821.07    4129984.14        0.00001
         593821.07    4130034.14        0.00000
593871.07    4130034.14        0.00000
         593921.07    4130034.14        0.00000
593971.07    4130034.14        0.00000
         594021.07    4130034.14        0.00000
594071.07    4130034.14        0.00000
         594121.07    4130034.14        0.00000
594171.07    4130034.14        0.00000
         594221.07    4130034.14        0.00000
594271.07    4130034.14        0.00001
         594321.07    4130034.14        0.00001
594371.07    4130034.14        0.00002
         594421.07    4130034.14        0.00002
594471.07    4130034.14        0.00002
         594521.07    4130034.14        0.00002
594571.07    4130034.14        0.00002
         594621.07    4130034.14        0.00001
594671.07    4130034.14        0.00001
         594721.07    4130034.14        0.00001
594771.07    4130034.14        0.00001
         594821.07    4130034.14        0.00001
593821.07    4130084.14        0.00000
         593871.07    4130084.14        0.00000
593921.07    4130084.14        0.00000
         593971.07    4130084.14        0.00000
594021.07    4130084.14        0.00000
```

```
         594071.07    4130084.14        0.00000
594121.07    4130084.14        0.00000
         594271.07    4130084.14        0.00004
594321.07    4130084.14        0.00003
         594371.07    4130084.14        0.00003
594421.07    4130084.14        0.00002
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 , A0000041 , A0000042 , A0000043 , A0000044 ,
A0000045 , A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00002	594521.07	4130084.14	0.00002
594571.07	4130084.14	0.00002	594621.07	4130084.14	0.00002
594671.07	4130084.14	0.00002	594721.07	4130084.14	0.00002
594771.07	4130084.14	0.00001	594821.07	4130084.14	0.00001
593821.07	4130134.14	0.00000	593871.07	4130134.14	0.00000
593921.07	4130134.14	0.00000	593971.07	4130134.14	0.00000
594021.07	4130134.14	0.00000	594071.07	4130134.14	0.00000
594121.07	4130134.14	0.00000	594271.07	4130134.14	0.00005
594321.07	4130134.14	0.00005	594371.07	4130134.14	0.00004
594421.07	4130134.14	0.00003	594471.07	4130134.14	0.00003
594521.07	4130134.14	0.00002	594571.07	4130134.14	0.00002

```
         594621.07    4130134.14        0.00002
594671.07    4130134.14        0.00002
         594721.07    4130134.14        0.00002
594771.07    4130134.14        0.00002
         594821.07    4130134.14        0.00002
593821.07    4130184.14        0.00000
         593871.07    4130184.14        0.00000
593921.07    4130184.14        0.00000
         593971.07    4130184.14        0.00000
594021.07    4130184.14        0.00000
         594071.07    4130184.14        0.00000
594121.07    4130184.14        0.00001
         594171.07    4130184.14        0.00001
594221.07    4130184.14        0.00003
         594271.07    4130184.14        0.00013
594321.07    4130184.14        0.00009
         594371.07    4130184.14        0.00006
594421.07    4130184.14        0.00004
         594471.07    4130184.14        0.00003
594521.07    4130184.14        0.00003
         594571.07    4130184.14        0.00002
594621.07    4130184.14        0.00002
         594671.07    4130184.14        0.00002
594721.07    4130184.14        0.00002
         594771.07    4130184.14        0.00002
594821.07    4130184.14        0.00002
         593821.07    4130234.14        0.00000
593871.07    4130234.14        0.00000
         593921.07    4130234.14        0.00000
593971.07    4130234.14        0.00000
         594021.07    4130234.14        0.00000
594071.07    4130234.14        0.00001
         594121.07    4130234.14        0.00001
594171.07    4130234.14        0.00002
         594221.07    4130234.14        0.00006
594371.07    4130234.14        0.00006
         594421.07    4130234.14        0.00004
594471.07    4130234.14        0.00003
         594521.07    4130234.14        0.00003
594571.07    4130234.14        0.00003
         594621.07    4130234.14        0.00003
594671.07    4130234.14        0.00003
         594721.07    4130234.14        0.00002
594771.07    4130234.14        0.00002
         594821.07    4130234.14        0.00002
593821.07    4130284.14        0.00000
         593871.07    4130284.14        0.00000
593921.07    4130284.14        0.00000
         593971.07    4130284.14        0.00000
594021.07    4130284.14        0.00001
         594071.07    4130284.14        0.00001
594121.07    4130284.14        0.00001
```

```
         594171.07    4130284.14        0.00003
594221.07    4130284.14        0.00008
         594271.07    4130284.14        0.00018
594321.07    4130284.14        0.00010
         594371.07    4130284.14        0.00006
594421.07    4130284.14        0.00005
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 , A0000041 , A0000042 , A0000043 , A0000044 ,
A0000045 , A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00004	594521.07	4130284.14	0.00003
594571.07	4130284.14	0.00003	594621.07	4130284.14	0.00003
594671.07	4130284.14	0.00003	594721.07	4130284.14	0.00003
594771.07	4130284.14	0.00003	594821.07	4130284.14	0.00002
593821.07	4130334.14	0.00000	593871.07	4130334.14	0.00000
593921.07	4130334.14	0.00000	593971.07	4130334.14	0.00001
594021.07	4130334.14	0.00001	594071.07	4130334.14	0.00001
594121.07	4130334.14	0.00002	594171.07	4130334.14	0.00003
594221.07	4130334.14	0.00008	594271.07	4130334.14	0.00017
594321.07	4130334.14	0.00011	594371.07	4130334.14	0.00007
594421.07	4130334.14	0.00005	594471.07	4130334.14	0.00005

```
         594521.07    4130334.14        0.00005
594571.07    4130334.14        0.00005
         594621.07    4130334.14        0.00005
594671.07    4130334.14        0.00004
         594721.07    4130334.14        0.00004
594771.07    4130334.14        0.00003
         594821.07    4130334.14        0.00003
593821.07    4130384.14        0.00000
         593871.07    4130384.14        0.00000
593921.07    4130384.14        0.00000
         593971.07    4130384.14        0.00001
594021.07    4130384.14        0.00001
         594071.07    4130384.14        0.00001
594121.07    4130384.14        0.00002
         594171.07    4130384.14        0.00004
594221.07    4130384.14        0.00007
         594271.07    4130384.14        0.00010
594321.07    4130384.14        0.00014
         594371.07    4130384.14        0.00009
594421.07    4130384.14        0.00007
         594471.07    4130384.14        0.00007
594521.07    4130384.14        0.00007
         594571.07    4130384.14        0.00007
594621.07    4130384.14        0.00007
         594671.07    4130384.14        0.00007
594721.07    4130384.14        0.00005
         594771.07    4130384.14        0.00003
594821.07    4130384.14        0.00002
         593821.07    4130434.14        0.00000
593871.07    4130434.14        0.00000
         593921.07    4130434.14        0.00001
593971.07    4130434.14        0.00001
         594021.07    4130434.14        0.00001
594071.07    4130434.14        0.00002
         594121.07    4130434.14        0.00002
594171.07    4130434.14        0.00003
         594221.07    4130434.14        0.00006
594271.07    4130434.14        0.00009
         594321.07    4130434.14        0.00016
594371.07    4130434.14        0.00016
         594421.07    4130434.14        0.00016
594471.07    4130434.14        0.00015
         594521.07    4130434.14        0.00015
594571.07    4130434.14        0.00015
         594621.07    4130434.14        0.00014
594671.07    4130434.14        0.00010
         594721.07    4130434.14        0.00005
594771.07    4130434.14        0.00002
         594821.07    4130434.14        0.00001
593821.07    4130484.14        0.00000
         593871.07    4130484.14        0.00001
593921.07    4130484.14        0.00001
```

```
         593971.07    4130484.14        0.00001
594021.07    4130484.14        0.00001
         594071.07    4130484.14        0.00002
594121.07    4130484.14        0.00002
         594171.07    4130484.14        0.00003
594221.07    4130484.14        0.00006
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 , A0000041 , A0000042 , A0000043 , A0000044 ,
A0000045 , A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00012	594321.07	4130484.14	0.00013
594371.07	4130484.14	0.00013	594421.07	4130484.14	0.00013
594471.07	4130484.14	0.00013	594521.07	4130484.14	0.00013
594571.07	4130484.14	0.00012	594621.07	4130484.14	0.00008
594671.07	4130484.14	0.00004	594721.07	4130484.14	0.00002
594771.07	4130484.14	0.00001	594821.07	4130484.14	0.00001
593821.07	4130534.14	0.00000	593871.07	4130534.14	0.00001
593921.07	4130534.14	0.00001	593971.07	4130534.14	0.00001
594021.07	4130534.14	0.00001	594071.07	4130534.14	0.00002
594121.07	4130534.14	0.00002	594171.07	4130534.14	0.00003
594221.07	4130534.14	0.00004	594271.07	4130534.14	0.00005

```
         594321.07    4130534.14        0.00006
594371.07    4130534.14        0.00006
         594421.07    4130534.14        0.00006
594471.07    4130534.14        0.00006
         594521.07    4130534.14        0.00006
594571.07    4130534.14        0.00004
         594621.07    4130534.14        0.00003
594671.07    4130534.14        0.00001
         594721.07    4130534.14        0.00001
594771.07    4130534.14        0.00001
         594821.07    4130534.14        0.00001
593821.07    4130584.14        0.00001
         593871.07    4130584.14        0.00001
593921.07    4130584.14        0.00001
         593971.07    4130584.14        0.00001
594021.07    4130584.14        0.00001
         594071.07    4130584.14        0.00001
594121.07    4130584.14        0.00002
         594171.07    4130584.14        0.00002
594221.07    4130584.14        0.00003
         594271.07    4130584.14        0.00003
594321.07    4130584.14        0.00003
         594371.07    4130584.14        0.00003
594421.07    4130584.14        0.00003
         594471.07    4130584.14        0.00003
594521.07    4130584.14        0.00002
         594571.07    4130584.14        0.00002
594621.07    4130584.14        0.00001
         594671.07    4130584.14        0.00001
594721.07    4130584.14        0.00001
         594771.07    4130584.14        0.00001
594821.07    4130584.14        0.00000
         593821.07    4130634.14        0.00001
593871.07    4130634.14        0.00001
         593921.07    4130634.14        0.00001
593971.07    4130634.14        0.00001
         594021.07    4130634.14        0.00001
594071.07    4130634.14        0.00001
         594121.07    4130634.14        0.00002
594171.07    4130634.14        0.00002
         594221.07    4130634.14        0.00002
594271.07    4130634.14        0.00002
         594321.07    4130634.14        0.00002
594371.07    4130634.14        0.00002
         594421.07    4130634.14        0.00002
594471.07    4130634.14        0.00001
         594521.07    4130634.14        0.00001
594571.07    4130634.14        0.00001
         594621.07    4130634.14        0.00001
594671.07    4130634.14        0.00001
         594721.07    4130634.14        0.00001
594771.07    4130634.14        0.00001
```

```
         594821.07    4130634.14        0.00000
593821.07    4130684.14        0.00001
         593871.07    4130684.14        0.00001
593921.07    4130684.14        0.00001
         593971.07    4130684.14        0.00001
594021.07    4130684.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y1_OFF ***
INCLUDING SOURCE(S):
A0000012 , A0000013 , A0000014 , A0000015 , A0000016 ,
A0000017 , A0000018 , A0000019 , A0000020 , A0000041 , A0000042 , A0000043 , A0000044 ,
A0000045 , A0000046 , A0000047 , A0000048 , A0000049 , A0000050 , A0000051 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00001	594121.07	4130684.14	0.00001
594171.07	4130684.14	0.00001	594221.07	4130684.14	0.00002
594271.07	4130684.14	0.00001	594321.07	4130684.14	0.00001
594371.07	4130684.14	0.00001	594421.07	4130684.14	0.00001
594471.07	4130684.14	0.00001	594521.07	4130684.14	0.00001
594571.07	4130684.14	0.00001	594621.07	4130684.14	0.00001
594671.07	4130684.14	0.00001	594721.07	4130684.14	0.00001
594771.07	4130684.14	0.00000	594821.07	4130684.14	0.00000
593821.07	4130734.14	0.00001	593871.07	4130734.14	0.00001
593921.07	4130734.14	0.00001	593971.07	4130734.14	0.00001
594021.07	4130734.14	0.00001	594071.07	4130734.14	0.00001

```
         594121.07    4130734.14        0.00001
594171.07    4130734.14        0.00001
         594221.07    4130734.14        0.00001
594271.07    4130734.14        0.00001
         594321.07    4130734.14        0.00001
594371.07    4130734.14        0.00001
         594421.07    4130734.14        0.00001
594471.07    4130734.14        0.00001
         594521.07    4130734.14        0.00001
594571.07    4130734.14        0.00001
         594621.07    4130734.14        0.00001
594671.07    4130734.14        0.00000
         594721.07    4130734.14        0.00000
594771.07    4130734.14        0.00000
         594821.07    4130734.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ALL ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 ,
A0000029 , A0000030 , A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 ,
A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.06903	594132.05	4130211.12	0.09360
593821.07	4129734.14	0.00087	593871.07	4129734.14	0.00089
593921.07	4129734.14	0.00097	593971.07	4129734.14	0.00104
594021.07	4129734.14	0.00125	594071.07	4129734.14	0.00157
594121.07	4129734.14	0.00202	594171.07	4129734.14	0.00246
594221.07	4129734.14	0.00296	594271.07	4129734.14	0.00371
594321.07	4129734.14	0.00474	594371.07	4129734.14	0.00613
594421.07	4129734.14	0.00799	594471.07	4129734.14	0.01001
594521.07	4129734.14	0.01188	594571.07	4129734.14	0.01339
594621.07	4129734.14	0.01464			

```
594671.07    4129734.14        0.01569
         594721.07    4129734.14        0.01600
594771.07    4129734.14        0.01633
         594821.07    4129734.14        0.01601
593821.07    4129784.14        0.00103
         593871.07    4129784.14        0.00103
593921.07    4129784.14        0.00114
         593971.07    4129784.14        0.00126
594021.07    4129784.14        0.00145
         594071.07    4129784.14        0.00181
594121.07    4129784.14        0.00236
         594171.07    4129784.14        0.00297
594221.07    4129784.14        0.00373
         594271.07    4129784.14        0.00493
594321.07    4129784.14        0.00660
         594371.07    4129784.14        0.00894
594421.07    4129784.14        0.01175
         594471.07    4129784.14        0.01445
594521.07    4129784.14        0.01665
         594571.07    4129784.14        0.01841
594621.07    4129784.14        0.01964
         594671.07    4129784.14        0.02025
594721.07    4129784.14        0.02003
         594771.07    4129784.14        0.01968
594821.07    4129784.14        0.01860
         593821.07    4129834.14        0.00124
593871.07    4129834.14        0.00127
         593921.07    4129834.14        0.00137
593971.07    4129834.14        0.00152
         594021.07    4129834.14        0.00174
594071.07    4129834.14        0.00214
         594121.07    4129834.14        0.00284
594171.07    4129834.14        0.00376
         594221.07    4129834.14        0.00502
594271.07    4129834.14        0.00705
         594321.07    4129834.14        0.01012
594371.07    4129834.14        0.01405
         594421.07    4129834.14        0.01806
594471.07    4129834.14        0.02124
         594521.07    4129834.14        0.02355
594571.07    4129834.14        0.02508
         594621.07    4129834.14        0.02572
594671.07    4129834.14        0.02542
         594721.07    4129834.14        0.02437
594771.07    4129834.14        0.02292
         594821.07    4129834.14        0.02115
593821.07    4129884.14        0.00151
         593871.07    4129884.14        0.00159
593921.07    4129884.14        0.00174
         593971.07    4129884.14        0.00194
594021.07    4129884.14        0.00220
         594071.07    4129884.14        0.00270
```

```
594121.07    4129884.14        0.00365
         594171.07    4129884.14        0.00500
594221.07    4129884.14        0.00709
         594271.07    4129884.14        0.01118
594321.07    4129884.14        0.01712
         594371.07    4129884.14        0.02351
594421.07    4129884.14        0.02853
         594471.07    4129884.14        0.03153
594521.07    4129884.14        0.03310
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ALL ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 ,
A0000029 , A0000030 , A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 ,
A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.03346	594621.07	4129884.14	0.03256
594671.07	4129884.14	0.03081	594721.07	4129884.14	0.02844
594771.07	4129884.14	0.02585	594821.07	4129884.14	0.02314
593821.07	4129934.14	0.00186	593871.07	4129934.14	0.00202
593921.07	4129934.14	0.00226	593971.07	4129934.14	0.00254
594021.07	4129934.14	0.00291	594071.07	4129934.14	0.00353
594121.07	4129934.14	0.00482	594171.07	4129934.14	0.00722
594221.07	4129934.14	0.01164	594271.07	4129934.14	0.02111
594321.07	4129934.14	0.03311	594371.07	4129934.14	0.04167
594421.07	4129934.14	0.04495			

```
594471.07    4129934.14        0.04546
         594521.07    4129934.14        0.04472
594571.07    4129934.14        0.04286
         594621.07    4129934.14        0.03993
594671.07    4129934.14        0.03626
         594721.07    4129934.14        0.03213
594771.07    4129934.14        0.02811
         594821.07    4129934.14        0.02418
593821.07    4129984.14        0.00238
         593871.07    4129984.14        0.00265
593921.07    4129984.14        0.00302
         593971.07    4129984.14        0.00351
594021.07    4129984.14        0.00409
         594071.07    4129984.14        0.00508
594121.07    4129984.14        0.00710
         594171.07    4129984.14        0.01181
594221.07    4129984.14        0.02485
         594271.07    4129984.14        0.05114
594321.07    4129984.14        0.07035
         594371.07    4129984.14        0.07107
594421.07    4129984.14        0.06538
         594471.07    4129984.14        0.06114
594521.07    4129984.14        0.05777
         594571.07    4129984.14        0.05330
594621.07    4129984.14        0.04756
         594671.07    4129984.14        0.04114
594721.07    4129984.14        0.03448
         594771.07    4129984.14        0.02862
594821.07    4129984.14        0.02344
         593821.07    4130034.14        0.00308
593871.07    4130034.14        0.00354
         593921.07    4130034.14        0.00418
593971.07    4130034.14        0.00509
         594021.07    4130034.14        0.00633
594071.07    4130034.14        0.00833
         594121.07    4130034.14        0.01245
594171.07    4130034.14        0.02706
         594221.07    4130034.14        0.09270
594271.07    4130034.14        0.15659
         594321.07    4130034.14        0.13411
594371.07    4130034.14        0.09946
         594421.07    4130034.14        0.08496
594471.07    4130034.14        0.08122
         594521.07    4130034.14        0.07523
594571.07    4130034.14        0.06536
         594621.07    4130034.14        0.05398
594671.07    4130034.14        0.04301
         594721.07    4130034.14        0.03361
594771.07    4130034.14        0.02634
         594821.07    4130034.14        0.02085
593821.07    4130084.14        0.00391
         593871.07    4130084.14        0.00469
```

```
593921.07    4130084.14        0.00586
         593971.07    4130084.14        0.00758
594021.07    4130084.14        0.01050
         594071.07    4130084.14        0.01630
594121.07    4130084.14        0.03296
         594271.07    4130084.14        0.28337
594321.07    4130084.14        0.14856
         594371.07    4130084.14        0.11292
594421.07    4130084.14        0.12096
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ALL ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 ,
A0000029 , A0000030 , A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 ,
A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.11829	594521.07	4130084.14	0.09695
594571.07	4130084.14	0.07327	594621.07	4130084.14	0.05364
594671.07	4130084.14	0.03914	594721.07	4130084.14	0.02899
594771.07	4130084.14	0.02207	594821.07	4130084.14	0.01723
593821.07	4130134.14	0.00490	593871.07	4130134.14	0.00614
593921.07	4130134.14	0.00816	593971.07	4130134.14	0.01156
594021.07	4130134.14	0.01853	594071.07	4130134.14	0.03666
594121.07	4130134.14	0.09783	594271.07	4130134.14	0.19078
594321.07	4130134.14	0.13875	594371.07	4130134.14	0.20800
594421.07	4130134.14	0.23211			

```
594471.07    4130134.14        0.16379
         594521.07    4130134.14        0.10337
594571.07    4130134.14        0.06577
         594621.07    4130134.14        0.04384
594671.07    4130134.14        0.03068
         594721.07    4130134.14        0.02236
594771.07    4130134.14        0.01709
         594821.07    4130134.14        0.01347
593821.07    4130184.14        0.00634
         593871.07    4130184.14        0.00840
593921.07    4130184.14        0.01187
         593971.07    4130184.14        0.01831
594021.07    4130184.14        0.03108
         594071.07    4130184.14        0.05838
594121.07    4130184.14        0.11447
         594171.07    4130184.14        0.15403
594221.07    4130184.14        0.11155
         594271.07    4130184.14        0.15537
594321.07    4130184.14        0.43502
         594371.07    4130184.14        0.55981
594421.07    4130184.14        0.29134
         594471.07    4130184.14        0.13717
594521.07    4130184.14        0.07291
         594571.07    4130184.14        0.04419
594621.07    4130184.14        0.02979
         594671.07    4130184.14        0.02129
594721.07    4130184.14        0.01599
         594771.07    4130184.14        0.01252
594821.07    4130184.14        0.01011
         593821.07    4130234.14        0.00858
593871.07    4130234.14        0.01159
         593921.07    4130234.14        0.01619
593971.07    4130234.14        0.02495
         594021.07    4130234.14        0.03793
594071.07    4130234.14        0.05551
         594121.07    4130234.14        0.07088
594171.07    4130234.14        0.08343
         594221.07    4130234.14        0.13403
594371.07    4130234.14        0.38390
         594421.07    4130234.14        0.15009
594471.07    4130234.14        0.06670
         594521.07    4130234.14        0.03829
594571.07    4130234.14        0.02577
         594621.07    4130234.14        0.01885
594671.07    4130234.14        0.01443
         594721.07    4130234.14        0.01139
594771.07    4130234.14        0.00932
         594821.07    4130234.14        0.00779
593821.07    4130284.14        0.01090
         593871.07    4130284.14        0.01401
593921.07    4130284.14        0.01783
         593971.07    4130284.14        0.02724
```

```
594021.07    4130284.14        0.03652
         594071.07    4130284.14        0.04630
594121.07    4130284.14        0.05990
         594171.07    4130284.14        0.08934
594221.07    4130284.14        0.15425
         594271.07    4130284.14        0.21061
594321.07    4130284.14        0.17480
         594371.07    4130284.14        0.08960
594421.07    4130284.14        0.05235
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ALL ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 ,
A0000029 , A0000030 , A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 ,
A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.03423	594521.07	4130284.14	0.02344
594571.07	4130284.14	0.01776	594621.07	4130284.14	0.01371
594671.07	4130284.14	0.01092	594721.07	4130284.14	0.00897
594771.07	4130284.14	0.00753	594821.07	4130284.14	0.00644
593821.07	4130334.14	0.01282	593871.07	4130334.14	0.01514
593921.07	4130334.14	0.01868	593971.07	4130334.14	0.02767
594021.07	4130334.14	0.03435	594071.07	4130334.14	0.04312
594121.07	4130334.14	0.05786	594171.07	4130334.14	0.07747
594221.07	4130334.14	0.09015	594271.07	4130334.14	0.08600
594321.07	4130334.14	0.06420			

```
594371.07    4130334.14        0.04177
         594421.07    4130334.14        0.03079
594471.07    4130334.14        0.02389
         594521.07    4130334.14        0.01871
594571.07    4130334.14        0.01455
         594621.07    4130334.14        0.01143
594671.07    4130334.14        0.00922
         594721.07    4130334.14        0.00763
594771.07    4130334.14        0.00646
         594821.07    4130334.14        0.00557
593821.07    4130384.14        0.01439
         593871.07    4130384.14        0.01614
593921.07    4130384.14        0.01838
         593971.07    4130384.14        0.02666
594021.07    4130384.14        0.03191
         594071.07    4130384.14        0.03891
594121.07    4130384.14        0.04758
         594171.07    4130384.14        0.05202
594221.07    4130384.14        0.04984
         594271.07    4130384.14        0.04382
594321.07    4130384.14        0.03473
         594371.07    4130384.14        0.02509
594421.07    4130384.14        0.01994
         594471.07    4130384.14        0.01686
594521.07    4130384.14        0.01468
         594571.07    4130384.14        0.01243
594621.07    4130384.14        0.01027
         594671.07    4130384.14        0.00844
594721.07    4130384.14        0.00700
         594771.07    4130384.14        0.00589
594821.07    4130384.14        0.00504
         593821.07    4130434.14        0.01371
593871.07    4130434.14        0.01602
         593921.07    4130434.14        0.01806
593971.07    4130434.14        0.02438
         594021.07    4130434.14        0.02796
594071.07    4130434.14        0.03214
         594121.07    4130434.14        0.03502
594171.07    4130434.14        0.03371
         594221.07    4130434.14        0.03056
594271.07    4130434.14        0.02724
         594321.07    4130434.14        0.02227
594371.07    4130434.14        0.01723
         594421.07    4130434.14        0.01429
594471.07    4130434.14        0.01228
         594521.07    4130434.14        0.01096
594571.07    4130434.14        0.00999
         594621.07    4130434.14        0.00896
594671.07    4130434.14        0.00776
         594721.07    4130434.14        0.00662
594771.07    4130434.14        0.00564
         594821.07    4130434.14        0.00482
```

```
593821.07    4130484.14        0.01481
         593871.07    4130484.14        0.01635
593921.07    4130484.14        0.01720
         593971.07    4130484.14        0.02125
594021.07    4130484.14        0.02332
         594071.07    4130484.14        0.02511
594121.07    4130484.14        0.02501
         594171.07    4130484.14        0.02290
594221.07    4130484.14        0.02105
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ALL ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 ,
A0000029 , A0000030 , A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 ,
A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.01898	594321.07	4130484.14	0.01561
594371.07	4130484.14	0.01260	594421.07	4130484.14	0.01087
594471.07	4130484.14	0.00950	594521.07	4130484.14	0.00839
594571.07	4130484.14	0.00772	594621.07	4130484.14	0.00721
594671.07	4130484.14	0.00667	594721.07	4130484.14	0.00605
594771.07	4130484.14	0.00537	594821.07	4130484.14	0.00469
593821.07	4130534.14	0.01410	593871.07	4130534.14	0.01491
593921.07	4130534.14	0.01534	593971.07	4130534.14	0.01758
594021.07	4130534.14	0.01894	594071.07	4130534.14	0.01919
594121.07	4130534.14	0.01819			

```
594171.07    4130534.14        0.01663
         594221.07    4130534.14        0.01557
594271.07    4130534.14        0.01395
         594321.07    4130534.14        0.01150
594371.07    4130534.14        0.00954
         594421.07    4130534.14        0.00849
594471.07    4130534.14        0.00764
         594521.07    4130534.14        0.00674
594571.07    4130534.14        0.00603
         594621.07    4130534.14        0.00556
594671.07    4130534.14        0.00494
         594721.07    4130534.14        0.00477
594771.07    4130534.14        0.00437
         594821.07    4130534.14        0.00400
593821.07    4130584.14        0.01278
         593871.07    4130584.14        0.01350
593921.07    4130584.14        0.01408
         593971.07    4130584.14        0.01451
594021.07    4130584.14        0.01470
         594071.07    4130584.14        0.01404
594121.07    4130584.14        0.01299
         594171.07    4130584.14        0.01203
594221.07    4130584.14        0.01131
         594271.07    4130584.14        0.00998
594321.07    4130584.14        0.00800
         594371.07    4130584.14        0.00675
594421.07    4130584.14        0.00605
         594471.07    4130584.14        0.00553
594521.07    4130584.14        0.00497
         594571.07    4130584.14        0.00445
594621.07    4130584.14        0.00414
         594671.07    4130584.14        0.00396
594721.07    4130584.14        0.00384
         594771.07    4130584.14        0.00371
594821.07    4130584.14        0.00354
         593821.07    4130634.14        0.01158
593871.07    4130634.14        0.01181
         593921.07    4130634.14        0.01210
593971.07    4130634.14        0.01213
         594021.07    4130634.14        0.01178
594071.07    4130634.14        0.01111
         594121.07    4130634.14        0.01024
594171.07    4130634.14        0.00951
         594221.07    4130634.14        0.00884
594271.07    4130634.14        0.00773
         594321.07    4130634.14        0.00636
594371.07    4130634.14        0.00548
         594421.07    4130634.14        0.00506
594471.07    4130634.14        0.00480
         594521.07    4130634.14        0.00446
594571.07    4130634.14        0.00435
         594621.07    4130634.14        0.00399
```

```
594671.07    4130634.14        0.00374
         594721.07    4130634.14        0.00361
594771.07    4130634.14        0.00352
         594821.07    4130634.14        0.00343
593821.07    4130684.14        0.01019
         593871.07    4130684.14        0.01024
593921.07    4130684.14        0.01015
         593971.07    4130684.14        0.01010
594021.07    4130684.14        0.00960
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ALL ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 , A0000026 , A0000027 , A0000028 ,
A0000029 , A0000030 , A0000031 , A0000032 , A0000033 , A0000034 , A0000035 , A0000036 ,
A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00922	594121.07	4130684.14	0.00896
594171.07	4130684.14	0.00861	594221.07	4130684.14	0.00803
594271.07	4130684.14	0.00699	594321.07	4130684.14	0.00584
594371.07	4130684.14	0.00509	594421.07	4130684.14	0.00475
594471.07	4130684.14	0.00456	594521.07	4130684.14	0.00432
594571.07	4130684.14	0.00393	594621.07	4130684.14	0.00353
594671.07	4130684.14	0.00324	594721.07	4130684.14	0.00308
594771.07	4130684.14	0.00299	594821.07	4130684.14	0.00293
593821.07	4130734.14	0.00887	593871.07	4130734.14	0.00878
593921.07	4130734.14	0.00856			

```
593971.07    4130734.14        0.00834
         594021.07    4130734.14        0.00808
594071.07    4130734.14        0.00780
         594121.07    4130734.14        0.00757
594171.07    4130734.14        0.00727
         594221.07    4130734.14        0.00675
594271.07    4130734.14        0.00587
         594321.07    4130734.14        0.00494
594371.07    4130734.14        0.00432
         594421.07    4130734.14        0.00404
594471.07    4130734.14        0.00391
         594521.07    4130734.14        0.00380
594571.07    4130734.14        0.00354
         594621.07    4130734.14        0.00319
594671.07    4130734.14        0.00289
         594721.07    4130734.14        0.00270
594771.07    4130734.14        0.00259
         594821.07    4130734.14        0.00253
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_B_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00907	594132.05	4130211.12	0.01416
593821.07	4129734.14	0.00040	593871.07	4129734.14	0.00040
593921.07	4129734.14	0.00044	593971.07	4129734.14	0.00046
594021.07	4129734.14	0.00049	594071.07	4129734.14	0.00058
594121.07	4129734.14	0.00073	594171.07	4129734.14	0.00094
594221.07	4129734.14	0.00115	594271.07	4129734.14	0.00132
594321.07	4129734.14	0.00147	594371.07	4129734.14	0.00174
594421.07	4129734.14	0.00220	594471.07	4129734.14	0.00281
594521.07	4129734.14	0.00356	594571.07	4129734.14	0.00437
594621.07	4129734.14	0.00529	594671.07	4129734.14	0.00628
594721.07	4129734.14	0.00697	594771.07	4129734.14	0.00756
594821.07	4129734.14	0.00783	593821.07	4129784.14	0.00046
593871.07	4129784.14	0.00045	593921.07	4129784.14	0.00049
593971.07	4129784.14	0.00053	594021.07	4129784.14	0.00057

```
         594071.07    4129784.14        0.00064
594121.07    4129784.14        0.00080
         594171.07    4129784.14        0.00105
594221.07    4129784.14        0.00134
         594271.07    4129784.14        0.00158
594321.07    4129784.14        0.00180
         594371.07    4129784.14        0.00220
594421.07    4129784.14        0.00288
         594471.07    4129784.14        0.00379
594521.07    4129784.14        0.00492
         594571.07    4129784.14        0.00623
594621.07    4129784.14        0.00754
         594671.07    4129784.14        0.00863
594721.07    4129784.14        0.00920
         594771.07    4129784.14        0.00978
594821.07    4129784.14        0.00975
         593821.07    4129834.14        0.00055
593871.07    4129834.14        0.00053
         593921.07    4129834.14        0.00056
593971.07    4129834.14        0.00062
         594021.07    4129834.14        0.00067
594071.07    4129834.14        0.00074
         594121.07    4129834.14        0.00089
594171.07    4129834.14        0.00121
         594221.07    4129834.14        0.00161
594271.07    4129834.14        0.00194
         594321.07    4129834.14        0.00229
594371.07    4129834.14        0.00291
         594421.07    4129834.14        0.00395
594471.07    4129834.14        0.00536
         594521.07    4129834.14        0.00711
594571.07    4129834.14        0.00901
         594621.07    4129834.14        0.01065
594671.07    4129834.14        0.01176
         594721.07    4129834.14        0.01232
594771.07    4129834.14        0.01244
         594821.07    4129834.14        0.01216
593821.07    4129884.14        0.00065
         593871.07    4129884.14        0.00066
593921.07    4129884.14        0.00070
         593971.07    4129884.14        0.00077
594021.07    4129884.14        0.00083
         594071.07    4129884.14        0.00093
594121.07    4129884.14        0.00111
         594171.07    4129884.14        0.00144
594221.07    4129884.14        0.00192
         594271.07    4129884.14        0.00244
594321.07    4129884.14        0.00299
         594371.07    4129884.14        0.00400
594421.07    4129884.14        0.00573
         594471.07    4129884.14        0.00810
594521.07    4129884.14        0.01087
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_B_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.01342	594621.07	4129884.14	0.01517
594671.07	4129884.14	0.01603	594721.07	4129884.14	0.01607
594771.07	4129884.14	0.01553	594821.07	4129884.14	0.01452
593821.07	4129934.14	0.00076	593871.07	4129934.14	0.00080
593921.07	4129934.14	0.00088	593971.07	4129934.14	0.00095
594021.07	4129934.14	0.00103	594071.07	4129934.14	0.00115
594121.07	4129934.14	0.00134	594171.07	4129934.14	0.00174
594221.07	4129934.14	0.00238	594271.07	4129934.14	0.00318
594321.07	4129934.14	0.00414	594371.07	4129934.14	0.00596
594421.07	4129934.14	0.00905	594471.07	4129934.14	0.01321
594521.07	4129934.14	0.01741	594571.07	4129934.14	0.02042
594621.07	4129934.14	0.02176	594671.07	4129934.14	0.02161
594721.07	4129934.14	0.02033	594771.07	4129934.14	0.01851
594821.07	4129934.14	0.01633	593821.07	4129984.14	0.00092

```
         593871.07    4129984.14        0.00099
593921.07    4129984.14        0.00109
         593971.07    4129984.14        0.00120
594021.07    4129984.14        0.00132
         594071.07    4129984.14        0.00148
594121.07    4129984.14        0.00172
         594171.07    4129984.14        0.00217
594221.07    4129984.14        0.00305
         594271.07    4129984.14        0.00432
594321.07    4129984.14        0.00618
         594371.07    4129984.14        0.00981
594421.07    4129984.14        0.01599
         594471.07    4129984.14        0.02327
594521.07    4129984.14        0.02883
         594571.07    4129984.14        0.03105
594621.07    4129984.14        0.03032
         594671.07    4129984.14        0.02768
594721.07    4129984.14        0.02394
         594771.07    4129984.14        0.02022
594821.07    4129984.14        0.01667
         593821.07    4130034.14        0.00116
593871.07    4130034.14        0.00126
         593921.07    4130034.14        0.00139
593971.07    4130034.14        0.00156
         594021.07    4130034.14        0.00175
594071.07    4130034.14        0.00200
         594121.07    4130034.14        0.00234
594171.07    4130034.14        0.00292
         594221.07    4130034.14        0.00417
594271.07    4130034.14        0.00644
         594321.07    4130034.14        0.01052
594371.07    4130034.14        0.01920
         594421.07    4130034.14        0.03265
594471.07    4130034.14        0.04417
         594521.07    4130034.14        0.04801
594571.07    4130034.14        0.04518
         594621.07    4130034.14        0.03893
594671.07    4130034.14        0.03168
         594721.07    4130034.14        0.02496
594771.07    4130034.14        0.01954
         594821.07    4130034.14        0.01538
593821.07    4130084.14        0.00145
         593871.07    4130084.14        0.00163
593921.07    4130084.14        0.00185
         593971.07    4130084.14        0.00210
594021.07    4130084.14        0.00243
         594071.07    4130084.14        0.00286
594121.07    4130084.14        0.00344
         594271.07    4130084.14        0.01046
594321.07    4130084.14        0.02183
         594371.07    4130084.14        0.04762
594421.07    4130084.14        0.07527
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_B_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.08358	594521.07	4130084.14	0.07297
594571.07	4130084.14	0.05687	594621.07	4130084.14	0.04204
594671.07	4130084.14	0.03060	594721.07	4130084.14	0.02245
594771.07	4130084.14	0.01688	594821.07	4130084.14	0.01300
593821.07	4130134.14	0.00176	593871.07	4130134.14	0.00204
593921.07	4130134.14	0.00241	593971.07	4130134.14	0.00287
594021.07	4130134.14	0.00348	594071.07	4130134.14	0.00433
594121.07	4130134.14	0.00551	594271.07	4130134.14	0.02286
594321.07	4130134.14	0.07471	594371.07	4130134.14	0.15325
594421.07	4130134.14	0.17284	594471.07	4130134.14	0.13259
594521.07	4130134.14	0.08590	594571.07	4130134.14	0.05452
594621.07	4130134.14	0.03581	594671.07	4130134.14	0.02460
594721.07	4130134.14	0.01756	594771.07	4130134.14	0.01317
594821.07	4130134.14	0.01019	593821.07	4130184.14	0.00213

593871.07 4130184.14 0.00252
593921.07 4130184.14 0.00305
593971.07 4130184.14 0.00382
594021.07 4130184.14 0.00492
594071.07 4130184.14 0.00661
594121.07 4130184.14 0.00938
594171.07 4130184.14 0.01476
594221.07 4130184.14 0.02828
594271.07 4130184.14 0.10924
594321.07 4130184.14 0.38544
594371.07 4130184.14 0.47546
594421.07 4130184.14 0.26014
594471.07 4130184.14 0.12190
594521.07 4130184.14 0.06306
594571.07 4130184.14 0.03702
594621.07 4130184.14 0.02420
594671.07 4130184.14 0.01680
594721.07 4130184.14 0.01229
594771.07 4130184.14 0.00939
594821.07 4130184.14 0.00742
593821.07 4130234.14 0.00256
593871.07 4130234.14 0.00308
593921.07 4130234.14 0.00366
593971.07 4130234.14 0.00506
594021.07 4130234.14 0.00689
594071.07 4130234.14 0.01010
594121.07 4130234.14 0.01670
594171.07 4130234.14 0.03420
594221.07 4130234.14 0.09886
594371.07 4130234.14 0.36293
594421.07 4130234.14 0.13641
594471.07 4130234.14 0.05723
594521.07 4130234.14 0.03142
594571.07 4130234.14 0.02042
594621.07 4130234.14 0.01451
594671.07 4130234.14 0.01082
594721.07 4130234.14 0.00834
594771.07 4130234.14 0.00669
594821.07 4130234.14 0.00548
593821.07 4130284.14 0.00307
593871.07 4130284.14 0.00354
593921.07 4130284.14 0.00445
593971.07 4130284.14 0.00704
594021.07 4130284.14 0.01049
594071.07 4130284.14 0.01708
594121.07 4130284.14 0.03098
594171.07 4130284.14 0.06288
594221.07 4130284.14 0.13243
594271.07 4130284.14 0.19159
594321.07 4130284.14 0.15893
594371.07 4130284.14 0.07768
594421.07 4130284.14 0.04318

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_B_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.02679	594521.07	4130284.14	0.01761
594571.07	4130284.14	0.01308	594621.07	4130284.14	0.00994
594671.07	4130284.14	0.00780	594721.07	4130284.14	0.00632
594771.07	4130284.14	0.00524	594821.07	4130284.14	0.00443
593821.07	4130334.14	0.00403	593871.07	4130334.14	0.00477
593921.07	4130334.14	0.00628	593971.07	4130334.14	0.01054
594021.07	4130334.14	0.01574	594071.07	4130334.14	0.02472
594121.07	4130334.14	0.03963	594171.07	4130334.14	0.06055
594221.07	4130334.14	0.07636	594271.07	4130334.14	0.07462
594321.07	4130334.14	0.05433	594371.07	4130334.14	0.03402
594421.07	4130334.14	0.02419	594471.07	4130334.14	0.01819
594521.07	4130334.14	0.01371	594571.07	4130334.14	0.01029
594621.07	4130334.14	0.00789	594671.07	4130334.14	0.00630
594721.07	4130334.14	0.00516	594771.07	4130334.14	0.00435

```
          594821.07    4130334.14         0.00373
593821.07    4130384.14         0.00552
          593871.07    4130384.14         0.00657
593921.07    4130384.14         0.00820
          593971.07    4130384.14         0.01351
594021.07    4130384.14         0.01889
          594071.07    4130384.14         0.02627
594121.07    4130384.14         0.03476
          594171.07    4130384.14         0.04037
594221.07    4130384.14         0.04067
          594271.07    4130384.14         0.03611
594321.07    4130384.14         0.02773
          594371.07    4130384.14         0.01945
594421.07    4130384.14         0.01509
          594471.07    4130384.14         0.01247
594521.07    4130384.14         0.01068
          594571.07    4130384.14         0.00879
594621.07    4130384.14         0.00704
          594671.07    4130384.14         0.00563
594721.07    4130384.14         0.00459
          594771.07    4130384.14         0.00383
594821.07    4130384.14         0.00327
          593821.07    4130434.14         0.00618
593871.07    4130434.14         0.00771
          593921.07    4130434.14         0.00955
593971.07    4130434.14         0.01453
          594021.07    4130434.14         0.01856
594071.07    4130434.14         0.02276
          594121.07    4130434.14         0.02551
594171.07    4130434.14         0.02542
          594221.07    4130434.14         0.02401
594271.07    4130434.14         0.02152
          594321.07    4130434.14         0.01697
594371.07    4130434.14         0.01279
          594421.07    4130434.14         0.01047
594471.07    4130434.14         0.00882
          594521.07    4130434.14         0.00775
594571.07    4130434.14         0.00698
          594621.07    4130434.14         0.00613
594671.07    4130434.14         0.00519
          594721.07    4130434.14         0.00434
594771.07    4130434.14         0.00363
          594821.07    4130434.14         0.00307
593821.07    4130484.14         0.00751
          593871.07    4130484.14         0.00875
593921.07    4130484.14         0.01022
          593971.07    4130484.14         0.01383
594021.07    4130484.14         0.01618
          594071.07    4130484.14         0.01778
594121.07    4130484.14         0.01774
          594171.07    4130484.14         0.01675
594221.07    4130484.14         0.01612
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_B_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.01460	594321.07	4130484.14	0.01155
594371.07	4130484.14	0.00899	594421.07	4130484.14	0.00773
594471.07	4130484.14	0.00669	594521.07	4130484.14	0.00579
594571.07	4130484.14	0.00528	594621.07	4130484.14	0.00491
594671.07	4130484.14	0.00450	594721.07	4130484.14	0.00401
594771.07	4130484.14	0.00349	594821.07	4130484.14	0.00300
593821.07	4130534.14	0.00781	593871.07	4130534.14	0.00872
593921.07	4130534.14	0.00981	593971.07	4130534.14	0.01192
594021.07	4130534.14	0.01322	594071.07	4130534.14	0.01329
594121.07	4130534.14	0.01251	594171.07	4130534.14	0.01188
594221.07	4130534.14	0.01168	594271.07	4130534.14	0.01050
594321.07	4130534.14	0.00832	594371.07	4130534.14	0.00662
594421.07	4130534.14	0.00587	594471.07	4130534.14	0.00530
594521.07	4130534.14	0.00461	594571.07	4130534.14	0.00407

```
          594621.07    4130534.14         0.00373
594671.07    4130534.14         0.00329
          594721.07    4130534.14         0.00316
594771.07    4130534.14         0.00286
          594821.07    4130534.14         0.00257
593821.07    4130584.14         0.00761
          593871.07    4130584.14         0.00854
593921.07    4130584.14         0.00942
          593971.07    4130584.14         0.01004
594021.07    4130584.14         0.01015
          594071.07    4130584.14         0.00944
594121.07    4130584.14         0.00870
          594171.07    4130584.14         0.00844
594221.07    4130584.14         0.00832
          594271.07    4130584.14         0.00735
594321.07    4130584.14         0.00567
          594371.07    4130584.14         0.00458
594421.07    4130584.14         0.00405
          594471.07    4130584.14         0.00374
594521.07    4130584.14         0.00335
          594571.07    4130584.14         0.00296
594621.07    4130584.14         0.00272
          594671.07    4130584.14         0.00260
594721.07    4130584.14         0.00251
          594771.07    4130584.14         0.00241
594821.07    4130584.14         0.00228
          593821.07    4130634.14         0.00718
593871.07    4130634.14         0.00769
          593921.07    4130634.14         0.00818
593971.07    4130634.14         0.00834
          594021.07    4130634.14         0.00791
594071.07    4130634.14         0.00723
          594121.07    4130634.14         0.00672
594171.07    4130634.14         0.00661
          594221.07    4130634.14         0.00641
594271.07    4130634.14         0.00559
          594321.07    4130634.14         0.00445
594371.07    4130634.14         0.00366
          594421.07    4130634.14         0.00331
594471.07    4130634.14         0.00317
          594521.07    4130634.14         0.00298
594571.07    4130634.14         0.00289
          594621.07    4130634.14         0.00262
594671.07    4130634.14         0.00243
          594721.07    4130634.14         0.00235
594771.07    4130634.14         0.00228
          594821.07    4130634.14         0.00222
593821.07    4130684.14         0.00654
          593871.07    4130684.14         0.00681
593921.07    4130684.14         0.00687
          593971.07    4130684.14         0.00678
594021.07    4130684.14         0.00624
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_B_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00578	594121.07	4130684.14	0.00578
594171.07	4130684.14	0.00597	594221.07	4130684.14	0.00578
594271.07	4130684.14	0.00500	594321.07	4130684.14	0.00403
594371.07	4130684.14	0.00337	594421.07	4130684.14	0.00307
594471.07	4130684.14	0.00296	594521.07	4130684.14	0.00285
594571.07	4130684.14	0.00260	594621.07	4130684.14	0.00230
594671.07	4130684.14	0.00209	594721.07	4130684.14	0.00198
594771.07	4130684.14	0.00191	594821.07	4130684.14	0.00188
593821.07	4130734.14	0.00583	593871.07	4130734.14	0.00588
593921.07	4130734.14	0.00574	593971.07	4130734.14	0.00544
594021.07	4130734.14	0.00508	594071.07	4130734.14	0.00484
594121.07	4130734.14	0.00490	594171.07	4130734.14	0.00502
594221.07	4130734.14	0.00481	594271.07	4130734.14	0.00414
594321.07	4130734.14	0.00338	594371.07	4130734.14	0.00284

```
         594421.07    4130734.14        0.00258
594471.07    4130734.14        0.00249
         594521.07    4130734.14        0.00246
594571.07    4130734.14        0.00232
         594621.07    4130734.14        0.00208
594671.07    4130734.14        0.00186
         594721.07    4130734.14        0.00172
594771.07    4130734.14        0.00164
         594821.07    4130734.14        0.00160
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_BT_OF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00000	594132.05	4130211.12	0.00000
593821.07	4129734.14	0.00000	593871.07	4129734.14	0.00000
593921.07	4129734.14	0.00000	593971.07	4129734.14	0.00000
594021.07	4129734.14	0.00000	594071.07	4129734.14	0.00000
594121.07	4129734.14	0.00000	594171.07	4129734.14	0.00000
594221.07	4129734.14	0.00000	594271.07	4129734.14	0.00000
594321.07	4129734.14	0.00000	594371.07	4129734.14	0.00000
594421.07	4129734.14	0.00000	594471.07	4129734.14	0.00000
594521.07	4129734.14	0.00000	594571.07	4129734.14	0.00000
594621.07	4129734.14	0.00000	594671.07	4129734.14	0.00000
594721.07	4129734.14	0.00000	594771.07	4129734.14	0.00000
594821.07	4129734.14	0.00000	593821.07	4129784.14	0.00000
593871.07	4129784.14	0.00000			

```
593921.07    4129784.14        0.00000
         593971.07    4129784.14        0.00000
594021.07    4129784.14        0.00000
         594071.07    4129784.14        0.00000
594121.07    4129784.14        0.00000
         594171.07    4129784.14        0.00000
594221.07    4129784.14        0.00000
         594271.07    4129784.14        0.00000
594321.07    4129784.14        0.00000
         594371.07    4129784.14        0.00000
594421.07    4129784.14        0.00000
         594471.07    4129784.14        0.00000
594521.07    4129784.14        0.00000
         594571.07    4129784.14        0.00000
594621.07    4129784.14        0.00000
         594671.07    4129784.14        0.00000
594721.07    4129784.14        0.00000
         594771.07    4129784.14        0.00000
594821.07    4129784.14        0.00000
         593821.07    4129834.14        0.00000
593871.07    4129834.14        0.00000
         593921.07    4129834.14        0.00000
593971.07    4129834.14        0.00000
         594021.07    4129834.14        0.00000
594071.07    4129834.14        0.00000
         594121.07    4129834.14        0.00000
594171.07    4129834.14        0.00000
         594221.07    4129834.14        0.00000
594271.07    4129834.14        0.00000
         594321.07    4129834.14        0.00000
594371.07    4129834.14        0.00000
         594421.07    4129834.14        0.00000
594471.07    4129834.14        0.00000
         594521.07    4129834.14        0.00000
594571.07    4129834.14        0.00000
         594621.07    4129834.14        0.00000
594671.07    4129834.14        0.00000
         594721.07    4129834.14        0.00000
594771.07    4129834.14        0.00000
         594821.07    4129834.14        0.00000
593821.07    4129884.14        0.00000
         593871.07    4129884.14        0.00000
593921.07    4129884.14        0.00000
         593971.07    4129884.14        0.00000
594021.07    4129884.14        0.00000
         594071.07    4129884.14        0.00000
594121.07    4129884.14        0.00000
         594171.07    4129884.14        0.00000
594221.07    4129884.14        0.00000
         594271.07    4129884.14        0.00000
594321.07    4129884.14        0.00000
         594371.07    4129884.14        0.00000
```

```
594421.07    4129884.14        0.00000
         594471.07    4129884.14        0.00000
594521.07    4129884.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_BT_OF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00000	594621.07	4129884.14	0.00000
594671.07	4129884.14	0.00000	594721.07	4129884.14	0.00000
594771.07	4129884.14	0.00000	594821.07	4129884.14	0.00000
593821.07	4129934.14	0.00000	593871.07	4129934.14	0.00000
593921.07	4129934.14	0.00000	593971.07	4129934.14	0.00000
594021.07	4129934.14	0.00000	594071.07	4129934.14	0.00000
594121.07	4129934.14	0.00000	594171.07	4129934.14	0.00000
594221.07	4129934.14	0.00000	594271.07	4129934.14	0.00000
594321.07	4129934.14	0.00000	594371.07	4129934.14	0.00000
594421.07	4129934.14	0.00000	594471.07	4129934.14	0.00000
594521.07	4129934.14	0.00000	594571.07	4129934.14	0.00000
594621.07	4129934.14	0.00000	594671.07	4129934.14	0.00000
594721.07	4129934.14	0.00000			

```
594771.07    4129934.14        0.00000
         594821.07    4129934.14        0.00000
593821.07    4129984.14        0.00000
         593871.07    4129984.14        0.00000
593921.07    4129984.14        0.00000
         593971.07    4129984.14        0.00000
594021.07    4129984.14        0.00000
         594071.07    4129984.14        0.00000
594121.07    4129984.14        0.00000
         594171.07    4129984.14        0.00000
594221.07    4129984.14        0.00000
         594271.07    4129984.14        0.00000
594321.07    4129984.14        0.00000
         594371.07    4129984.14        0.00000
594421.07    4129984.14        0.00000
         594471.07    4129984.14        0.00000
594521.07    4129984.14        0.00000
         594571.07    4129984.14        0.00000
594621.07    4129984.14        0.00000
         594671.07    4129984.14        0.00000
594721.07    4129984.14        0.00000
         594771.07    4129984.14        0.00000
594821.07    4129984.14        0.00000
         593821.07    4130034.14        0.00000
593871.07    4130034.14        0.00000
         593921.07    4130034.14        0.00000
593971.07    4130034.14        0.00000
         594021.07    4130034.14        0.00000
594071.07    4130034.14        0.00000
         594121.07    4130034.14        0.00000
594171.07    4130034.14        0.00000
         594221.07    4130034.14        0.00000
594271.07    4130034.14        0.00000
         594321.07    4130034.14        0.00000
594371.07    4130034.14        0.00000
         594421.07    4130034.14        0.00000
594471.07    4130034.14        0.00000
         594521.07    4130034.14        0.00000
594571.07    4130034.14        0.00000
         594621.07    4130034.14        0.00000
594671.07    4130034.14        0.00000
         594721.07    4130034.14        0.00000
594771.07    4130034.14        0.00000
         594821.07    4130034.14        0.00000
593821.07    4130084.14        0.00000
         593871.07    4130084.14        0.00000
593921.07    4130084.14        0.00000
         593971.07    4130084.14        0.00000
594021.07    4130084.14        0.00000
         594071.07    4130084.14        0.00000
594121.07    4130084.14        0.00000
         594271.07    4130084.14        0.00000
```

```
594321.07    4130084.14        0.00000
         594371.07    4130084.14        0.00001
594421.07    4130084.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_BT_OF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00001	594521.07	4130084.14	0.00001
594571.07	4130084.14	0.00001	594621.07	4130084.14	0.00001
594671.07	4130084.14	0.00001	594721.07	4130084.14	0.00001
594771.07	4130084.14	0.00000	594821.07	4130084.14	0.00000
593821.07	4130134.14	0.00000	593871.07	4130134.14	0.00000
593921.07	4130134.14	0.00000	593971.07	4130134.14	0.00000
594021.07	4130134.14	0.00000	594071.07	4130134.14	0.00000
594121.07	4130134.14	0.00000	594271.07	4130134.14	0.00000
594321.07	4130134.14	0.00001	594371.07	4130134.14	0.00001
594421.07	4130134.14	0.00001	594471.07	4130134.14	0.00001
594521.07	4130134.14	0.00001	594571.07	4130134.14	0.00001
594621.07	4130134.14	0.00001	594671.07	4130134.14	0.00001
594721.07	4130134.14	0.00001			

```
594771.07    4130134.14        0.00001
         594821.07    4130134.14        0.00001
593821.07    4130184.14        0.00000
         593871.07    4130184.14        0.00000
593921.07    4130184.14        0.00000
         593971.07    4130184.14        0.00000
594021.07    4130184.14        0.00000
         594071.07    4130184.14        0.00000
594121.07    4130184.14        0.00000
         594171.07    4130184.14        0.00000
594221.07    4130184.14        0.00001
         594271.07    4130184.14        0.00004
594321.07    4130184.14        0.00003
         594371.07    4130184.14        0.00002
594421.07    4130184.14        0.00001
         594471.07    4130184.14        0.00001
594521.07    4130184.14        0.00001
         594571.07    4130184.14        0.00001
594621.07    4130184.14        0.00001
         594671.07    4130184.14        0.00001
594721.07    4130184.14        0.00001
         594771.07    4130184.14        0.00001
594821.07    4130184.14        0.00001
         593821.07    4130234.14        0.00000
593871.07    4130234.14        0.00000
         593921.07    4130234.14        0.00000
593971.07    4130234.14        0.00000
         594021.07    4130234.14        0.00000
594071.07    4130234.14        0.00000
         594121.07    4130234.14        0.00000
594171.07    4130234.14        0.00001
         594221.07    4130234.14        0.00002
594371.07    4130234.14        0.00002
         594421.07    4130234.14        0.00001
594471.07    4130234.14        0.00001
         594521.07    4130234.14        0.00001
594571.07    4130234.14        0.00001
         594621.07    4130234.14        0.00001
594671.07    4130234.14        0.00001
         594721.07    4130234.14        0.00001
594771.07    4130234.14        0.00001
         594821.07    4130234.14        0.00001
593821.07    4130284.14        0.00000
         593871.07    4130284.14        0.00000
593921.07    4130284.14        0.00000
         593971.07    4130284.14        0.00000
594021.07    4130284.14        0.00000
         594071.07    4130284.14        0.00000
594121.07    4130284.14        0.00001
         594171.07    4130284.14        0.00001
594221.07    4130284.14        0.00003
         594271.07    4130284.14        0.00006
```

```
594321.07    4130284.14        0.00003
         594371.07    4130284.14        0.00002
594421.07    4130284.14        0.00002
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_BT_OF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00001	594521.07	4130284.14	0.00001
594571.07	4130284.14	0.00001	594621.07	4130284.14	0.00001
594671.07	4130284.14	0.00001	594721.07	4130284.14	0.00001
594771.07	4130284.14	0.00001	594821.07	4130284.14	0.00001
593821.07	4130334.14	0.00000	593871.07	4130334.14	0.00000
593921.07	4130334.14	0.00000	593971.07	4130334.14	0.00000
594021.07	4130334.14	0.00000	594071.07	4130334.14	0.00000
594121.07	4130334.14	0.00001	594171.07	4130334.14	0.00001
594221.07	4130334.14	0.00003	594271.07	4130334.14	0.00006
594321.07	4130334.14	0.00004	594371.07	4130334.14	0.00003
594421.07	4130334.14	0.00002	594471.07	4130334.14	0.00002
594521.07	4130334.14	0.00002	594571.07	4130334.14	0.00002
594621.07	4130334.14	0.00002			

```
594671.07    4130334.14        0.00002
         594721.07    4130334.14        0.00001
594771.07    4130334.14        0.00001
         594821.07    4130334.14        0.00001
593821.07    4130384.14        0.00000
         593871.07    4130384.14        0.00000
593921.07    4130384.14        0.00000
         593971.07    4130384.14        0.00000
594021.07    4130384.14        0.00000
         594071.07    4130384.14        0.00001
594121.07    4130384.14        0.00001
         594171.07    4130384.14        0.00001
594221.07    4130384.14        0.00003
         594271.07    4130384.14        0.00003
594321.07    4130384.14        0.00005
         594371.07    4130384.14        0.00003
594421.07    4130384.14        0.00003
         594471.07    4130384.14        0.00003
594521.07    4130384.14        0.00003
         594571.07    4130384.14        0.00003
594621.07    4130384.14        0.00002
         594671.07    4130384.14        0.00002
594721.07    4130384.14        0.00002
         594771.07    4130384.14        0.00001
594821.07    4130384.14        0.00001
         593821.07    4130434.14        0.00000
593871.07    4130434.14        0.00000
         593921.07    4130434.14        0.00000
593971.07    4130434.14        0.00000
         594021.07    4130434.14        0.00000
594071.07    4130434.14        0.00001
         594121.07    4130434.14        0.00001
594171.07    4130434.14        0.00001
         594221.07    4130434.14        0.00002
594271.07    4130434.14        0.00003
         594321.07    4130434.14        0.00006
594371.07    4130434.14        0.00006
         594421.07    4130434.14        0.00005
594471.07    4130434.14        0.00005
         594521.07    4130434.14        0.00005
594571.07    4130434.14        0.00005
         594621.07    4130434.14        0.00005
594671.07    4130434.14        0.00004
         594721.07    4130434.14        0.00002
594771.07    4130434.14        0.00001
         594821.07    4130434.14        0.00001
593821.07    4130484.14        0.00000
         593871.07    4130484.14        0.00000
593921.07    4130484.14        0.00000
         593971.07    4130484.14        0.00000
594021.07    4130484.14        0.00000
         594071.07    4130484.14        0.00001
```

```
594121.07    4130484.14        0.00001
         594171.07    4130484.14        0.00001
594221.07    4130484.14        0.00002
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_BT_OF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00005	594321.07	4130484.14	0.00005
594371.07	4130484.14	0.00005	594421.07	4130484.14	0.00005
594471.07	4130484.14	0.00005	594521.07	4130484.14	0.00005
594571.07	4130484.14	0.00005	594621.07	4130484.14	0.00003
594671.07	4130484.14	0.00001	594721.07	4130484.14	0.00001
594771.07	4130484.14	0.00000	594821.07	4130484.14	0.00000
593821.07	4130534.14	0.00000	593871.07	4130534.14	0.00000
593921.07	4130534.14	0.00000	593971.07	4130534.14	0.00000
594021.07	4130534.14	0.00000	594071.07	4130534.14	0.00001
594121.07	4130534.14	0.00001	594171.07	4130534.14	0.00001
594221.07	4130534.14	0.00002	594271.07	4130534.14	0.00002
594321.07	4130534.14	0.00002	594371.07	4130534.14	0.00002
594421.07	4130534.14	0.00002			

```
594471.07    4130534.14        0.00002
         594521.07    4130534.14        0.00002
594571.07    4130534.14        0.00002
         594621.07    4130534.14        0.00001
594671.07    4130534.14        0.00001
         594721.07    4130534.14        0.00000
594771.07    4130534.14        0.00000
         594821.07    4130534.14        0.00000
593821.07    4130584.14        0.00000
         593871.07    4130584.14        0.00000
593921.07    4130584.14        0.00000
         593971.07    4130584.14        0.00000
594021.07    4130584.14        0.00000
         594071.07    4130584.14        0.00001
594121.07    4130584.14        0.00001
         594171.07    4130584.14        0.00001
594221.07    4130584.14        0.00001
         594271.07    4130584.14        0.00001
594321.07    4130584.14        0.00001
         594371.07    4130584.14        0.00001
594421.07    4130584.14        0.00001
         594471.07    4130584.14        0.00001
594521.07    4130584.14        0.00001
         594571.07    4130584.14        0.00001
594621.07    4130584.14        0.00000
         594671.07    4130584.14        0.00000
594721.07    4130584.14        0.00000
         594771.07    4130584.14        0.00000
594821.07    4130584.14        0.00000
         593821.07    4130634.14        0.00000
593871.07    4130634.14        0.00000
         593921.07    4130634.14        0.00000
593971.07    4130634.14        0.00000
         594021.07    4130634.14        0.00000
594071.07    4130634.14        0.00001
         594121.07    4130634.14        0.00001
594171.07    4130634.14        0.00001
         594221.07    4130634.14        0.00001
594271.07    4130634.14        0.00001
         594321.07    4130634.14        0.00001
594371.07    4130634.14        0.00001
         594421.07    4130634.14        0.00001
594471.07    4130634.14        0.00001
         594521.07    4130634.14        0.00000
594571.07    4130634.14        0.00000
         594621.07    4130634.14        0.00000
594671.07    4130634.14        0.00000
         594721.07    4130634.14        0.00000
594771.07    4130634.14        0.00000
         594821.07    4130634.14        0.00000
593821.07    4130684.14        0.00000
         593871.07    4130684.14        0.00000
```

```
593921.07    4130684.14        0.00000
         593971.07    4130684.14        0.00000
594021.07    4130684.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_BT_OF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00000	594121.07	4130684.14	0.00001
594171.07	4130684.14	0.00001	594221.07	4130684.14	0.00001
594271.07	4130684.14	0.00001	594321.07	4130684.14	0.00001
594371.07	4130684.14	0.00001	594421.07	4130684.14	0.00001
594471.07	4130684.14	0.00000	594521.07	4130684.14	0.00000
594571.07	4130684.14	0.00000	594621.07	4130684.14	0.00000
594671.07	4130684.14	0.00000	594721.07	4130684.14	0.00000
594771.07	4130684.14	0.00000	594821.07	4130684.14	0.00000
593821.07	4130734.14	0.00000	593871.07	4130734.14	0.00000
593921.07	4130734.14	0.00000	593971.07	4130734.14	0.00000
594021.07	4130734.14	0.00000	594071.07	4130734.14	0.00000
594121.07	4130734.14	0.00000	594171.07	4130734.14	0.00000
594221.07	4130734.14	0.00000			

```
594271.07    4130734.14        0.00000
         594321.07    4130734.14        0.00000
594371.07    4130734.14        0.00000
         594421.07    4130734.14        0.00000
594471.07    4130734.14        0.00000
         594521.07    4130734.14        0.00000
594571.07    4130734.14        0.00000
         594621.07    4130734.14        0.00000
594671.07    4130734.14        0.00000
         594721.07    4130734.14        0.00000
594771.07    4130734.14        0.00000
         594821.07    4130734.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00907	594132.05	4130211.12	0.01416
593821.07	4129734.14	0.00040	593871.07	4129734.14	0.00040
593921.07	4129734.14	0.00044	593971.07	4129734.14	0.00046
594021.07	4129734.14	0.00049	594071.07	4129734.14	0.00058
594121.07	4129734.14	0.00073	594171.07	4129734.14	0.00094
594221.07	4129734.14	0.00115	594271.07	4129734.14	0.00132
594321.07	4129734.14	0.00147	594371.07	4129734.14	0.00174
594421.07	4129734.14	0.00220	594471.07	4129734.14	0.00281
594521.07	4129734.14	0.00356	594571.07	4129734.14	0.00437
594621.07	4129734.14	0.00529	594671.07	4129734.14	0.00628
594721.07	4129734.14	0.00697	594771.07	4129734.14	0.00756
594821.07	4129734.14	0.00783	593821.07	4129784.14	0.00046
593871.07	4129784.14	0.00045	593921.07	4129784.14	0.00049
593971.07	4129784.14	0.00053	594021.07	4129784.14	0.00057

```
         594071.07    4129784.14        0.00064
594121.07    4129784.14        0.00080
         594171.07    4129784.14        0.00105
594221.07    4129784.14        0.00134
         594271.07    4129784.14        0.00158
594321.07    4129784.14        0.00180
         594371.07    4129784.14        0.00220
594421.07    4129784.14        0.00288
         594471.07    4129784.14        0.00379
594521.07    4129784.14        0.00492
         594571.07    4129784.14        0.00623
594621.07    4129784.14        0.00754
         594671.07    4129784.14        0.00863
594721.07    4129784.14        0.00920
         594771.07    4129784.14        0.00978
594821.07    4129784.14        0.00975
         593821.07    4129834.14        0.00055
593871.07    4129834.14        0.00053
         593921.07    4129834.14        0.00056
593971.07    4129834.14        0.00062
         594021.07    4129834.14        0.00067
594071.07    4129834.14        0.00074
         594121.07    4129834.14        0.00089
594171.07    4129834.14        0.00121
         594221.07    4129834.14        0.00161
594271.07    4129834.14        0.00194
         594321.07    4129834.14        0.00229
594371.07    4129834.14        0.00291
         594421.07    4129834.14        0.00395
594471.07    4129834.14        0.00536
         594521.07    4129834.14        0.00711
594571.07    4129834.14        0.00901
         594621.07    4129834.14        0.01065
594671.07    4129834.14        0.01176
         594721.07    4129834.14        0.01232
594771.07    4129834.14        0.01244
         594821.07    4129834.14        0.01216
593821.07    4129884.14        0.00065
         593871.07    4129884.14        0.00066
593921.07    4129884.14        0.00070
         593971.07    4129884.14        0.00077
594021.07    4129884.14        0.00083
         594071.07    4129884.14        0.00093
594121.07    4129884.14        0.00111
         594171.07    4129884.14        0.00144
594221.07    4129884.14        0.00192
         594271.07    4129884.14        0.00244
594321.07    4129884.14        0.00299
         594371.07    4129884.14        0.00400
594421.07    4129884.14        0.00573
         594471.07    4129884.14        0.00810
594521.07    4129884.14        0.01087
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.01342	594621.07	4129884.14	0.01517
594671.07	4129884.14	0.01603	594721.07	4129884.14	0.01607
594771.07	4129884.14	0.01553	594821.07	4129884.14	0.01452
593821.07	4129934.14	0.00076	593871.07	4129934.14	0.00080
593921.07	4129934.14	0.00088	593971.07	4129934.14	0.00095
594021.07	4129934.14	0.00103	594071.07	4129934.14	0.00115
594121.07	4129934.14	0.00134	594171.07	4129934.14	0.00174
594221.07	4129934.14	0.00238	594271.07	4129934.14	0.00318
594321.07	4129934.14	0.00414	594371.07	4129934.14	0.00596
594421.07	4129934.14	0.00905	594471.07	4129934.14	0.01321
594521.07	4129934.14	0.01741	594571.07	4129934.14	0.02042
594621.07	4129934.14	0.02176	594671.07	4129934.14	0.02161
594721.07	4129934.14	0.02033	594771.07	4129934.14	0.01851
594821.07	4129934.14	0.01633	593821.07	4129984.14	0.00092

593871.07 4129984.14 0.00099
593921.07 4129984.14 0.00109
593971.07 4129984.14 0.00120
594021.07 4129984.14 0.00132
594071.07 4129984.14 0.00148
594121.07 4129984.14 0.00172
594171.07 4129984.14 0.00217
594221.07 4129984.14 0.00305
594271.07 4129984.14 0.00432
594321.07 4129984.14 0.00618
594371.07 4129984.14 0.00981
594421.07 4129984.14 0.01599
594471.07 4129984.14 0.02327
594521.07 4129984.14 0.02883
594571.07 4129984.14 0.03105
594621.07 4129984.14 0.03032
594671.07 4129984.14 0.02768
594721.07 4129984.14 0.02394
594771.07 4129984.14 0.02022
594821.07 4129984.14 0.01667
593821.07 4130034.14 0.00116
593871.07 4130034.14 0.00126
593921.07 4130034.14 0.00139
593971.07 4130034.14 0.00156
594021.07 4130034.14 0.00175
594071.07 4130034.14 0.00200
594121.07 4130034.14 0.00234
594171.07 4130034.14 0.00292
594221.07 4130034.14 0.00417
594271.07 4130034.14 0.00644
594321.07 4130034.14 0.01052
594371.07 4130034.14 0.01920
594421.07 4130034.14 0.03265
594471.07 4130034.14 0.04417
594521.07 4130034.14 0.04801
594571.07 4130034.14 0.04518
594621.07 4130034.14 0.03893
594671.07 4130034.14 0.03168
594721.07 4130034.14 0.02496
594771.07 4130034.14 0.01954
594821.07 4130034.14 0.01538
593821.07 4130084.14 0.00145
593871.07 4130084.14 0.00163
593921.07 4130084.14 0.00185
593971.07 4130084.14 0.00210
594021.07 4130084.14 0.00243
594071.07 4130084.14 0.00286
594121.07 4130084.14 0.00344
594271.07 4130084.14 0.01046
594321.07 4130084.14 0.02183
594371.07 4130084.14 0.04762
594421.07 4130084.14 0.07527

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.08358	594521.07	4130084.14	0.07297
594571.07	4130084.14	0.05687	594621.07	4130084.14	0.04204
594671.07	4130084.14	0.03060	594721.07	4130084.14	0.02245
594771.07	4130084.14	0.01688	594821.07	4130084.14	0.01300
593821.07	4130134.14	0.00176	593871.07	4130134.14	0.00204
593921.07	4130134.14	0.00241	593971.07	4130134.14	0.00287
594021.07	4130134.14	0.00348	594071.07	4130134.14	0.00433
594121.07	4130134.14	0.00551	594271.07	4130134.14	0.02286
594321.07	4130134.14	0.07471	594371.07	4130134.14	0.15325
594421.07	4130134.14	0.17284	594471.07	4130134.14	0.13259
594521.07	4130134.14	0.08590	594571.07	4130134.14	0.05452
594621.07	4130134.14	0.03581	594671.07	4130134.14	0.02460
594721.07	4130134.14	0.01756	594771.07	4130134.14	0.01317
594821.07	4130134.14	0.01019	593821.07	4130184.14	0.00213

```
         593871.07    4130184.14        0.00252
593921.07    4130184.14        0.00305
         593971.07    4130184.14        0.00382
594021.07    4130184.14        0.00492
         594071.07    4130184.14        0.00661
594121.07    4130184.14        0.00938
         594171.07    4130184.14        0.01476
594221.07    4130184.14        0.02828
         594271.07    4130184.14        0.10924
594321.07    4130184.14        0.38544
         594371.07    4130184.14        0.47546
594421.07    4130184.14        0.26014
         594471.07    4130184.14        0.12190
594521.07    4130184.14        0.06306
         594571.07    4130184.14        0.03702
594621.07    4130184.14        0.02420
         594671.07    4130184.14        0.01680
594721.07    4130184.14        0.01229
         594771.07    4130184.14        0.00939
594821.07    4130184.14        0.00742
         593821.07    4130234.14        0.00256
593871.07    4130234.14        0.00308
         593921.07    4130234.14        0.00366
593971.07    4130234.14        0.00506
         594021.07    4130234.14        0.00689
594071.07    4130234.14        0.01010
         594121.07    4130234.14        0.01670
594171.07    4130234.14        0.03420
         594221.07    4130234.14        0.09886
594371.07    4130234.14        0.36293
         594421.07    4130234.14        0.13641
594471.07    4130234.14        0.05723
         594521.07    4130234.14        0.03142
594571.07    4130234.14        0.02042
         594621.07    4130234.14        0.01451
594671.07    4130234.14        0.01082
         594721.07    4130234.14        0.00834
594771.07    4130234.14        0.00669
         594821.07    4130234.14        0.00548
593821.07    4130284.14        0.00307
         593871.07    4130284.14        0.00354
593921.07    4130284.14        0.00445
         593971.07    4130284.14        0.00704
594021.07    4130284.14        0.01049
         594071.07    4130284.14        0.01708
594121.07    4130284.14        0.03098
         594171.07    4130284.14        0.06288
594221.07    4130284.14        0.13243
         594271.07    4130284.14        0.19159
594321.07    4130284.14        0.15893
         594371.07    4130284.14        0.07768
594421.07    4130284.14        0.04318
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.02679	594521.07	4130284.14	0.01761
594571.07	4130284.14	0.01308	594621.07	4130284.14	0.00994
594671.07	4130284.14	0.00780	594721.07	4130284.14	0.00632
594771.07	4130284.14	0.00524	594821.07	4130284.14	0.00443
593821.07	4130334.14	0.00403	593871.07	4130334.14	0.00477
593921.07	4130334.14	0.00628	593971.07	4130334.14	0.01054
594021.07	4130334.14	0.01574	594071.07	4130334.14	0.02472
594121.07	4130334.14	0.03963	594171.07	4130334.14	0.06055
594221.07	4130334.14	0.07636	594271.07	4130334.14	0.07462
594321.07	4130334.14	0.05433	594371.07	4130334.14	0.03402
594421.07	4130334.14	0.02419	594471.07	4130334.14	0.01819
594521.07	4130334.14	0.01371	594571.07	4130334.14	0.01029
594621.07	4130334.14	0.00789	594671.07	4130334.14	0.00630
594721.07	4130334.14	0.00516	594771.07	4130334.14	0.00435

```
         594821.07    4130334.14        0.00373
593821.07    4130384.14        0.00552
         593871.07    4130384.14        0.00657
593921.07    4130384.14        0.00820
         593971.07    4130384.14        0.01351
594021.07    4130384.14        0.01889
         594071.07    4130384.14        0.02627
594121.07    4130384.14        0.03476
         594171.07    4130384.14        0.04037
594221.07    4130384.14        0.04067
         594271.07    4130384.14        0.03611
594321.07    4130384.14        0.02773
         594371.07    4130384.14        0.01945
594421.07    4130384.14        0.01509
         594471.07    4130384.14        0.01247
594521.07    4130384.14        0.01068
         594571.07    4130384.14        0.00879
594621.07    4130384.14        0.00704
         594671.07    4130384.14        0.00563
594721.07    4130384.14        0.00459
         594771.07    4130384.14        0.00383
594821.07    4130384.14        0.00327
         593821.07    4130434.14        0.00618
593871.07    4130434.14        0.00771
         593921.07    4130434.14        0.00955
593971.07    4130434.14        0.01453
         594021.07    4130434.14        0.01856
594071.07    4130434.14        0.02276
         594121.07    4130434.14        0.02551
594171.07    4130434.14        0.02542
         594221.07    4130434.14        0.02401
594271.07    4130434.14        0.02152
         594321.07    4130434.14        0.01697
594371.07    4130434.14        0.01279
         594421.07    4130434.14        0.01047
594471.07    4130434.14        0.00882
         594521.07    4130434.14        0.00775
594571.07    4130434.14        0.00698
         594621.07    4130434.14        0.00613
594671.07    4130434.14        0.00519
         594721.07    4130434.14        0.00434
594771.07    4130434.14        0.00363
         594821.07    4130434.14        0.00307
593821.07    4130484.14        0.00751
         593871.07    4130484.14        0.00875
593921.07    4130484.14        0.01022
         593971.07    4130484.14        0.01383
594021.07    4130484.14        0.01618
         594071.07    4130484.14        0.01778
594121.07    4130484.14        0.01774
         594171.07    4130484.14        0.01675
594221.07    4130484.14        0.01612
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.01460	594321.07	4130484.14	0.01155
594371.07	4130484.14	0.00899	594421.07	4130484.14	0.00773
594471.07	4130484.14	0.00669	594521.07	4130484.14	0.00579
594571.07	4130484.14	0.00528	594621.07	4130484.14	0.00491
594671.07	4130484.14	0.00450	594721.07	4130484.14	0.00401
594771.07	4130484.14	0.00349	594821.07	4130484.14	0.00300
593821.07	4130534.14	0.00781	593871.07	4130534.14	0.00872
593921.07	4130534.14	0.00981	593971.07	4130534.14	0.01192
594021.07	4130534.14	0.01322	594071.07	4130534.14	0.01329
594121.07	4130534.14	0.01251	594171.07	4130534.14	0.01188
594221.07	4130534.14	0.01168	594271.07	4130534.14	0.01050
594321.07	4130534.14	0.00832	594371.07	4130534.14	0.00662
594421.07	4130534.14	0.00587	594471.07	4130534.14	0.00530
594521.07	4130534.14	0.00461	594571.07	4130534.14	0.00407

```
          594621.07    4130534.14         0.00373
594671.07    4130534.14         0.00329
          594721.07    4130534.14         0.00316
594771.07    4130534.14         0.00286
          594821.07    4130534.14         0.00257
593821.07    4130584.14         0.00761
          593871.07    4130584.14         0.00854
593921.07    4130584.14         0.00942
          593971.07    4130584.14         0.01004
594021.07    4130584.14         0.01015
          594071.07    4130584.14         0.00944
594121.07    4130584.14         0.00870
          594171.07    4130584.14         0.00844
594221.07    4130584.14         0.00832
          594271.07    4130584.14         0.00735
594321.07    4130584.14         0.00567
          594371.07    4130584.14         0.00458
594421.07    4130584.14         0.00405
          594471.07    4130584.14         0.00374
594521.07    4130584.14         0.00335
          594571.07    4130584.14         0.00296
594621.07    4130584.14         0.00272
          594671.07    4130584.14         0.00260
594721.07    4130584.14         0.00251
          594771.07    4130584.14         0.00241
594821.07    4130584.14         0.00228
          593821.07    4130634.14         0.00718
593871.07    4130634.14         0.00769
          593921.07    4130634.14         0.00818
593971.07    4130634.14         0.00834
          594021.07    4130634.14         0.00791
594071.07    4130634.14         0.00723
          594121.07    4130634.14         0.00672
594171.07    4130634.14         0.00661
          594221.07    4130634.14         0.00641
594271.07    4130634.14         0.00559
          594321.07    4130634.14         0.00445
594371.07    4130634.14         0.00366
          594421.07    4130634.14         0.00331
594471.07    4130634.14         0.00317
          594521.07    4130634.14         0.00298
594571.07    4130634.14         0.00289
          594621.07    4130634.14         0.00262
594671.07    4130634.14         0.00243
          594721.07    4130634.14         0.00235
594771.07    4130634.14         0.00228
          594821.07    4130634.14         0.00222
593821.07    4130684.14         0.00654
          593871.07    4130684.14         0.00681
593921.07    4130684.14         0.00687
          593971.07    4130684.14         0.00678
594021.07    4130684.14         0.00624
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00578	594121.07	4130684.14	0.00578
594171.07	4130684.14	0.00597	594221.07	4130684.14	0.00578
594271.07	4130684.14	0.00500	594321.07	4130684.14	0.00403
594371.07	4130684.14	0.00337	594421.07	4130684.14	0.00307
594471.07	4130684.14	0.00296	594521.07	4130684.14	0.00285
594571.07	4130684.14	0.00260	594621.07	4130684.14	0.00230
594671.07	4130684.14	0.00209	594721.07	4130684.14	0.00198
594771.07	4130684.14	0.00191	594821.07	4130684.14	0.00188
593821.07	4130734.14	0.00583	593871.07	4130734.14	0.00588
593921.07	4130734.14	0.00574	593971.07	4130734.14	0.00544
594021.07	4130734.14	0.00508	594071.07	4130734.14	0.00484
594121.07	4130734.14	0.00490	594171.07	4130734.14	0.00502
594221.07	4130734.14	0.00481	594271.07	4130734.14	0.00414
594321.07	4130734.14	0.00338	594371.07	4130734.14	0.00284

```
         594421.07    4130734.14        0.00258
594471.07    4130734.14        0.00249
         594521.07    4130734.14        0.00246
594571.07    4130734.14        0.00232
         594621.07    4130734.14        0.00208
594671.07    4130734.14        0.00186
         594721.07    4130734.14        0.00172
594771.07    4130734.14        0.00164
         594821.07    4130734.14        0.00160
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_OFF ***
INCLUDING SOURCE(S):
A0000030 , A0000031 , A0000032 , A0000033 , A0000034 ,
A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00000	594132.05	4130211.12	0.00001
593821.07	4129734.14	0.00000	593871.07	4129734.14	0.00000
593921.07	4129734.14	0.00000	593971.07	4129734.14	0.00000
594021.07	4129734.14	0.00000	594071.07	4129734.14	0.00000
594121.07	4129734.14	0.00000	594171.07	4129734.14	0.00000
594221.07	4129734.14	0.00000	594271.07	4129734.14	0.00000
594321.07	4129734.14	0.00000	594371.07	4129734.14	0.00000
594421.07	4129734.14	0.00000	594471.07	4129734.14	0.00000
594521.07	4129734.14	0.00000	594571.07	4129734.14	0.00000
594621.07	4129734.14	0.00000	594671.07	4129734.14	0.00000
594721.07	4129734.14	0.00000	594771.07	4129734.14	0.00000
594821.07	4129734.14	0.00000	593821.07	4129784.14	0.00000
593871.07	4129784.14	0.00000			

```
593921.07    4129784.14        0.00000
         593971.07    4129784.14        0.00000
594021.07    4129784.14        0.00000
         594071.07    4129784.14        0.00000
594121.07    4129784.14        0.00000
         594171.07    4129784.14        0.00000
594221.07    4129784.14        0.00000
         594271.07    4129784.14        0.00000
594321.07    4129784.14        0.00000
         594371.07    4129784.14        0.00000
594421.07    4129784.14        0.00000
         594471.07    4129784.14        0.00000
594521.07    4129784.14        0.00000
         594571.07    4129784.14        0.00000
594621.07    4129784.14        0.00000
         594671.07    4129784.14        0.00000
594721.07    4129784.14        0.00000
         594771.07    4129784.14        0.00000
594821.07    4129784.14        0.00000
         593821.07    4129834.14        0.00000
593871.07    4129834.14        0.00000
         593921.07    4129834.14        0.00000
593971.07    4129834.14        0.00000
         594021.07    4129834.14        0.00000
594071.07    4129834.14        0.00000
         594121.07    4129834.14        0.00000
594171.07    4129834.14        0.00000
         594221.07    4129834.14        0.00000
594271.07    4129834.14        0.00000
         594321.07    4129834.14        0.00000
594371.07    4129834.14        0.00000
         594421.07    4129834.14        0.00000
594471.07    4129834.14        0.00000
         594521.07    4129834.14        0.00000
594571.07    4129834.14        0.00000
         594621.07    4129834.14        0.00000
594671.07    4129834.14        0.00000
         594721.07    4129834.14        0.00000
594771.07    4129834.14        0.00000
         594821.07    4129834.14        0.00000
593821.07    4129884.14        0.00000
         593871.07    4129884.14        0.00000
593921.07    4129884.14        0.00000
         593971.07    4129884.14        0.00000
594021.07    4129884.14        0.00000
         594071.07    4129884.14        0.00000
594121.07    4129884.14        0.00000
         594171.07    4129884.14        0.00000
594221.07    4129884.14        0.00000
         594271.07    4129884.14        0.00000
594321.07    4129884.14        0.00000
         594371.07    4129884.14        0.00000
```

```
594421.07    4129884.14        0.00000
         594471.07    4129884.14        0.00000
594521.07    4129884.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_OFF ***
INCLUDING SOURCE(S):
A0000030 , A0000031 , A0000032 , A0000033 , A0000034 ,
A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00000	594621.07	4129884.14	0.00000
594671.07	4129884.14	0.00000	594721.07	4129884.14	0.00000
594771.07	4129884.14	0.00000	594821.07	4129884.14	0.00000
593821.07	4129934.14	0.00000	593871.07	4129934.14	0.00000
593921.07	4129934.14	0.00000	593971.07	4129934.14	0.00000
594021.07	4129934.14	0.00000	594071.07	4129934.14	0.00000
594121.07	4129934.14	0.00000	594171.07	4129934.14	0.00000
594221.07	4129934.14	0.00000	594271.07	4129934.14	0.00000
594321.07	4129934.14	0.00000	594371.07	4129934.14	0.00000
594421.07	4129934.14	0.00000	594471.07	4129934.14	0.00000
594521.07	4129934.14	0.00001	594571.07	4129934.14	0.00000
594621.07	4129934.14	0.00000	594671.07	4129934.14	0.00000
594721.07	4129934.14	0.00000			

```
594771.07    4129934.14        0.00000
         594821.07    4129934.14        0.00000
593821.07    4129984.14        0.00000
         593871.07    4129984.14        0.00000
593921.07    4129984.14        0.00000
         593971.07    4129984.14        0.00000
594021.07    4129984.14        0.00000
         594071.07    4129984.14        0.00000
594121.07    4129984.14        0.00000
         594171.07    4129984.14        0.00000
594221.07    4129984.14        0.00000
         594271.07    4129984.14        0.00000
594321.07    4129984.14        0.00000
         594371.07    4129984.14        0.00001
594421.07    4129984.14        0.00001
         594471.07    4129984.14        0.00001
594521.07    4129984.14        0.00001
         594571.07    4129984.14        0.00001
594621.07    4129984.14        0.00001
         594671.07    4129984.14        0.00000
594721.07    4129984.14        0.00000
         594771.07    4129984.14        0.00000
594821.07    4129984.14        0.00000
         593821.07    4130034.14        0.00000
593871.07    4130034.14        0.00000
         593921.07    4130034.14        0.00000
593971.07    4130034.14        0.00000
         594021.07    4130034.14        0.00000
594071.07    4130034.14        0.00000
         594121.07    4130034.14        0.00000
594171.07    4130034.14        0.00000
         594221.07    4130034.14        0.00000
594271.07    4130034.14        0.00001
         594321.07    4130034.14        0.00001
594371.07    4130034.14        0.00001
         594421.07    4130034.14        0.00001
594471.07    4130034.14        0.00001
         594521.07    4130034.14        0.00001
594571.07    4130034.14        0.00001
         594621.07    4130034.14        0.00001
594671.07    4130034.14        0.00001
         594721.07    4130034.14        0.00001
594771.07    4130034.14        0.00000
         594821.07    4130034.14        0.00000
593821.07    4130084.14        0.00000
         593871.07    4130084.14        0.00000
593921.07    4130084.14        0.00000
         593971.07    4130084.14        0.00000
594021.07    4130084.14        0.00000
         594071.07    4130084.14        0.00000
594121.07    4130084.14        0.00000
         594271.07    4130084.14        0.00005
```

```
594321.07    4130084.14        0.00003
         594371.07    4130084.14        0.00002
594421.07    4130084.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_OFF ***
INCLUDING SOURCE(S):
A0000030 , A0000031 , A0000032 , A0000033 , A0000034 ,
A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00001	594521.07	4130084.14	0.00001
594571.07	4130084.14	0.00001	594621.07	4130084.14	0.00001
594671.07	4130084.14	0.00001	594721.07	4130084.14	0.00001
594771.07	4130084.14	0.00001	594821.07	4130084.14	0.00000
593821.07	4130134.14	0.00000	593871.07	4130134.14	0.00000
593921.07	4130134.14	0.00000	593971.07	4130134.14	0.00000
594021.07	4130134.14	0.00000	594071.07	4130134.14	0.00000
594121.07	4130134.14	0.00000	594271.07	4130134.14	0.00006
594321.07	4130134.14	0.00003	594371.07	4130134.14	0.00002
594421.07	4130134.14	0.00001	594471.07	4130134.14	0.00001
594521.07	4130134.14	0.00001	594571.07	4130134.14	0.00001
594621.07	4130134.14	0.00001	594671.07	4130134.14	0.00001
594721.07	4130134.14	0.00001			

```
594771.07    4130134.14        0.00001
         594821.07    4130134.14        0.00001
593821.07    4130184.14        0.00000
         593871.07    4130184.14        0.00000
593921.07    4130184.14        0.00000
         593971.07    4130184.14        0.00000
594021.07    4130184.14        0.00000
         594071.07    4130184.14        0.00000
594121.07    4130184.14        0.00001
         594171.07    4130184.14        0.00001
594221.07    4130184.14        0.00003
         594271.07    4130184.14        0.00006
594321.07    4130184.14        0.00003
         594371.07    4130184.14        0.00002
594421.07    4130184.14        0.00001
         594471.07    4130184.14        0.00001
594521.07    4130184.14        0.00001
         594571.07    4130184.14        0.00001
594621.07    4130184.14        0.00001
         594671.07    4130184.14        0.00001
594721.07    4130184.14        0.00001
         594771.07    4130184.14        0.00001
594821.07    4130184.14        0.00001
         593821.07    4130234.14        0.00000
593871.07    4130234.14        0.00000
         593921.07    4130234.14        0.00000
593971.07    4130234.14        0.00000
         594021.07    4130234.14        0.00000
594071.07    4130234.14        0.00000
         594121.07    4130234.14        0.00001
594171.07    4130234.14        0.00001
         594221.07    4130234.14        0.00003
594371.07    4130234.14        0.00002
         594421.07    4130234.14        0.00002
594471.07    4130234.14        0.00001
         594521.07    4130234.14        0.00001
594571.07    4130234.14        0.00001
         594621.07    4130234.14        0.00001
594671.07    4130234.14        0.00001
         594721.07    4130234.14        0.00001
594771.07    4130234.14        0.00001
         594821.07    4130234.14        0.00001
593821.07    4130284.14        0.00000
         593871.07    4130284.14        0.00000
593921.07    4130284.14        0.00000
         593971.07    4130284.14        0.00000
594021.07    4130284.14        0.00000
         594071.07    4130284.14        0.00001
594121.07    4130284.14        0.00001
         594171.07    4130284.14        0.00001
594221.07    4130284.14        0.00003
         594271.07    4130284.14        0.00006
```

```
594321.07    4130284.14        0.00003
         594371.07    4130284.14        0.00002
594421.07    4130284.14        0.00002
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_OFF ***
INCLUDING SOURCE(S):
A0000030 , A0000031 , A0000032 , A0000033 , A0000034 ,
A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00001	594521.07	4130284.14	0.00001
594571.07	4130284.14	0.00001	594621.07	4130284.14	0.00001
594671.07	4130284.14	0.00001	594721.07	4130284.14	0.00001
594771.07	4130284.14	0.00001	594821.07	4130284.14	0.00001
593821.07	4130334.14	0.00000	593871.07	4130334.14	0.00000
593921.07	4130334.14	0.00000	593971.07	4130334.14	0.00000
594021.07	4130334.14	0.00000	594071.07	4130334.14	0.00001
594121.07	4130334.14	0.00001	594171.07	4130334.14	0.00001
594221.07	4130334.14	0.00003	594271.07	4130334.14	0.00006
594321.07	4130334.14	0.00004	594371.07	4130334.14	0.00002
594421.07	4130334.14	0.00002	594471.07	4130334.14	0.00002
594521.07	4130334.14	0.00002	594571.07	4130334.14	0.00002
594621.07	4130334.14	0.00002			

```
594671.07    4130334.14        0.00001
         594721.07    4130334.14        0.00001
594771.07    4130334.14        0.00001
         594821.07    4130334.14        0.00001
593821.07    4130384.14        0.00000
         593871.07    4130384.14        0.00000
593921.07    4130384.14        0.00000
         593971.07    4130384.14        0.00000
594021.07    4130384.14        0.00000
         594071.07    4130384.14        0.00001
594121.07    4130384.14        0.00001
         594171.07    4130384.14        0.00001
594221.07    4130384.14        0.00003
         594271.07    4130384.14        0.00003
594321.07    4130384.14        0.00005
         594371.07    4130384.14        0.00003
594421.07    4130384.14        0.00003
         594471.07    4130384.14        0.00002
594521.07    4130384.14        0.00002
         594571.07    4130384.14        0.00002
594621.07    4130384.14        0.00002
         594671.07    4130384.14        0.00002
594721.07    4130384.14        0.00002
         594771.07    4130384.14        0.00001
594821.07    4130384.14        0.00001
         593821.07    4130434.14        0.00000
593871.07    4130434.14        0.00000
         593921.07    4130434.14        0.00000
593971.07    4130434.14        0.00000
         594021.07    4130434.14        0.00001
594071.07    4130434.14        0.00001
         594121.07    4130434.14        0.00001
594171.07    4130434.14        0.00001
         594221.07    4130434.14        0.00002
594271.07    4130434.14        0.00003
         594321.07    4130434.14        0.00006
594371.07    4130434.14        0.00005
         594421.07    4130434.14        0.00005
594471.07    4130434.14        0.00005
         594521.07    4130434.14        0.00005
594571.07    4130434.14        0.00005
         594621.07    4130434.14        0.00005
594671.07    4130434.14        0.00003
         594721.07    4130434.14        0.00002
594771.07    4130434.14        0.00001
         594821.07    4130434.14        0.00001
593821.07    4130484.14        0.00000
         593871.07    4130484.14        0.00000
593921.07    4130484.14        0.00000
         593971.07    4130484.14        0.00000
594021.07    4130484.14        0.00001
         594071.07    4130484.14        0.00001
```

```
594121.07    4130484.14        0.00001
         594171.07    4130484.14        0.00001
594221.07    4130484.14        0.00002
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_OFF ***
INCLUDING SOURCE(S):
A0000030 , A0000031 , A0000032 , A0000033 , A0000034 ,
A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00004	594321.07	4130484.14	0.00005
594371.07	4130484.14	0.00005	594421.07	4130484.14	0.00005
594471.07	4130484.14	0.00005	594521.07	4130484.14	0.00005
594571.07	4130484.14	0.00005	594621.07	4130484.14	0.00003
594671.07	4130484.14	0.00001	594721.07	4130484.14	0.00001
594771.07	4130484.14	0.00000	594821.07	4130484.14	0.00000
593821.07	4130534.14	0.00000	593871.07	4130534.14	0.00000
593921.07	4130534.14	0.00000	593971.07	4130534.14	0.00000
594021.07	4130534.14	0.00001	594071.07	4130534.14	0.00001
594121.07	4130534.14	0.00001	594171.07	4130534.14	0.00001
594221.07	4130534.14	0.00002	594271.07	4130534.14	0.00002
594321.07	4130534.14	0.00002	594371.07	4130534.14	0.00002
594421.07	4130534.14	0.00002			

```
594471.07    4130534.14        0.00002
         594521.07    4130534.14        0.00002
594571.07    4130534.14        0.00002
         594621.07    4130534.14        0.00001
594671.07    4130534.14        0.00001
         594721.07    4130534.14        0.00000
594771.07    4130534.14        0.00000
         594821.07    4130534.14        0.00000
593821.07    4130584.14        0.00000
         593871.07    4130584.14        0.00000
593921.07    4130584.14        0.00000
         593971.07    4130584.14        0.00000
594021.07    4130584.14        0.00001
         594071.07    4130584.14        0.00001
594121.07    4130584.14        0.00001
         594171.07    4130584.14        0.00001
594221.07    4130584.14        0.00001
         594271.07    4130584.14        0.00001
594321.07    4130584.14        0.00001
         594371.07    4130584.14        0.00001
594421.07    4130584.14        0.00001
         594471.07    4130584.14        0.00001
594521.07    4130584.14        0.00001
         594571.07    4130584.14        0.00001
594621.07    4130584.14        0.00000
         594671.07    4130584.14        0.00000
594721.07    4130584.14        0.00000
         594771.07    4130584.14        0.00000
594821.07    4130584.14        0.00000
         593821.07    4130634.14        0.00000
593871.07    4130634.14        0.00000
         593921.07    4130634.14        0.00000
593971.07    4130634.14        0.00000
         594021.07    4130634.14        0.00000
594071.07    4130634.14        0.00001
         594121.07    4130634.14        0.00001
594171.07    4130634.14        0.00001
         594221.07    4130634.14        0.00001
594271.07    4130634.14        0.00001
         594321.07    4130634.14        0.00001
594371.07    4130634.14        0.00001
         594421.07    4130634.14        0.00001
594471.07    4130634.14        0.00001
         594521.07    4130634.14        0.00000
594571.07    4130634.14        0.00000
         594621.07    4130634.14        0.00000
594671.07    4130634.14        0.00000
         594721.07    4130634.14        0.00000
594771.07    4130634.14        0.00000
         594821.07    4130634.14        0.00000
593821.07    4130684.14        0.00000
         593871.07    4130684.14        0.00000
```

```
593921.07    4130684.14        0.00000
         593971.07    4130684.14        0.00000
594021.07    4130684.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_P_OFF ***
INCLUDING SOURCE(S):
A0000030 , A0000031 , A0000032 , A0000033 , A0000034 ,
A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00000	594121.07	4130684.14	0.00001
594171.07	4130684.14	0.00001	594221.07	4130684.14	0.00001
594271.07	4130684.14	0.00001	594321.07	4130684.14	0.00001
594371.07	4130684.14	0.00001	594421.07	4130684.14	0.00001
594471.07	4130684.14	0.00000	594521.07	4130684.14	0.00000
594571.07	4130684.14	0.00000	594621.07	4130684.14	0.00000
594671.07	4130684.14	0.00000	594721.07	4130684.14	0.00000
594771.07	4130684.14	0.00000	594821.07	4130684.14	0.00000
593821.07	4130734.14	0.00000	593871.07	4130734.14	0.00000
593921.07	4130734.14	0.00000	593971.07	4130734.14	0.00000
594021.07	4130734.14	0.00000	594071.07	4130734.14	0.00000
594121.07	4130734.14	0.00000	594171.07	4130734.14	0.00000
594221.07	4130734.14	0.00000			

```
594271.07    4130734.14        0.00000
         594321.07    4130734.14        0.00000
594371.07    4130734.14        0.00000
         594421.07    4130734.14        0.00000
594471.07    4130734.14        0.00000
         594521.07    4130734.14        0.00000
594571.07    4130734.14        0.00000
         594621.07    4130734.14        0.00000
594671.07    4130734.14        0.00000
         594721.07    4130734.14        0.00000
594771.07    4130734.14        0.00000
         594821.07    4130734.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_T_ON ***
INCLUDING SOURCE(S):
PAREA07 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00072	594132.05	4130211.12	0.00111
593821.07	4129734.14	0.00004	593871.07	4129734.14	0.00003
593921.07	4129734.14	0.00004	593971.07	4129734.14	0.00004
594021.07	4129734.14	0.00004	594071.07	4129734.14	0.00005
594121.07	4129734.14	0.00006	594171.07	4129734.14	0.00007
594221.07	4129734.14	0.00009	594271.07	4129734.14	0.00011
594321.07	4129734.14	0.00013	594371.07	4129734.14	0.00014
594421.07	4129734.14	0.00018	594471.07	4129734.14	0.00023
594521.07	4129734.14	0.00031	594571.07	4129734.14	0.00039
594621.07	4129734.14	0.00050	594671.07	4129734.14	0.00061
594721.07	4129734.14	0.00068	594771.07	4129734.14	0.00075
594821.07	4129734.14	0.00078	593821.07	4129784.14	0.00004
593871.07	4129784.14	0.00004	593921.07	4129784.14	0.00005
593971.07	4129784.14	0.00005	594021.07	4129784.14	0.00005

```
         594071.07    4129784.14        0.00006
594121.07    4129784.14        0.00006
         594171.07    4129784.14        0.00008
594221.07    4129784.14        0.00010
         594271.07    4129784.14        0.00013
594321.07    4129784.14        0.00016
         594371.07    4129784.14        0.00018
594421.07    4129784.14        0.00023
         594471.07    4129784.14        0.00032
594521.07    4129784.14        0.00043
         594571.07    4129784.14        0.00057
594621.07    4129784.14        0.00072
         594671.07    4129784.14        0.00086
594721.07    4129784.14        0.00094
         594771.07    4129784.14        0.00098
594821.07    4129784.14        0.00099
         593821.07    4129834.14        0.00005
593871.07    4129834.14        0.00005
         593921.07    4129834.14        0.00005
593971.07    4129834.14        0.00006
         594021.07    4129834.14        0.00006
594071.07    4129834.14        0.00007
         594121.07    4129834.14        0.00007
594171.07    4129834.14        0.00009
         594221.07    4129834.14        0.00012
594271.07    4129834.14        0.00016
         594321.07    4129834.14        0.00020
594371.07    4129834.14        0.00023
         594421.07    4129834.14        0.00032
594471.07    4129834.14        0.00046
         594521.07    4129834.14        0.00064
594571.07    4129834.14        0.00087
         594621.07    4129834.14        0.00108
594671.07    4129834.14        0.00122
         594721.07    4129834.14        0.00128
594771.07    4129834.14        0.00128
         594821.07    4129834.14        0.00124
593821.07    4129884.14        0.00006
         593871.07    4129884.14        0.00006
593921.07    4129884.14        0.00007
         593971.07    4129884.14        0.00007
594021.07    4129884.14        0.00008
         594071.07    4129884.14        0.00008
594121.07    4129884.14        0.00009
         594171.07    4129884.14        0.00011
594221.07    4129884.14        0.00014
         594271.07    4129884.14        0.00020
594321.07    4129884.14        0.00026
         594371.07    4129884.14        0.00032
594421.07    4129884.14        0.00047
         594471.07    4129884.14        0.00071
594521.07    4129884.14        0.00105
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_T_ON ***
INCLUDING SOURCE(S):
PAREA07 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00140	594621.07	4129884.14	0.00163
594671.07	4129884.14	0.00173	594721.07	4129884.14	0.00171
594771.07	4129884.14	0.00162	594821.07	4129884.14	0.00147
593821.07	4129934.14	0.00007	593871.07	4129934.14	0.00007
593921.07	4129934.14	0.00008	593971.07	4129934.14	0.00009
594021.07	4129934.14	0.00010	594071.07	4129934.14	0.00011
594121.07	4129934.14	0.00012	594171.07	4129934.14	0.00014
594221.07	4129934.14	0.00017	594271.07	4129934.14	0.00025
594321.07	4129934.14	0.00036	594371.07	4129934.14	0.00047
594421.07	4129934.14	0.00076	594471.07	4129934.14	0.00125
594521.07	4129934.14	0.00186	594571.07	4129934.14	0.00231
594621.07	4129934.14	0.00247	594671.07	4129934.14	0.00241
594721.07	4129934.14	0.00219	594771.07	4129934.14	0.00191
594821.07	4129934.14	0.00161	593821.07	4129984.14	0.00009

```
         593871.07    4129984.14        0.00009
593921.07    4129984.14        0.00010
         593971.07    4129984.14        0.00011
594021.07    4129984.14        0.00012
         594071.07    4129984.14        0.00014
594121.07    4129984.14        0.00016
         594171.07    4129984.14        0.00018
594221.07    4129984.14        0.00023
         594271.07    4129984.14        0.00033
594321.07    4129984.14        0.00052
         594371.07    4129984.14        0.00075
594421.07    4129984.14        0.00140
         594471.07    4129984.14        0.00252
594521.07    4129984.14        0.00350
         594571.07    4129984.14        0.00380
594621.07    4129984.14        0.00358
         594671.07    4129984.14        0.00308
594721.07    4129984.14        0.00249
         594771.07    4129984.14        0.00197
594821.07    4129984.14        0.00154
         593821.07    4130034.14        0.00011
593871.07    4130034.14        0.00012
         593921.07    4130034.14        0.00013
593971.07    4130034.14        0.00015
         594021.07    4130034.14        0.00017
594071.07    4130034.14        0.00019
         594121.07    4130034.14        0.00022
594171.07    4130034.14        0.00027
         594221.07    4130034.14        0.00033
594271.07    4130034.14        0.00048
         594321.07    4130034.14        0.00083
594371.07    4130034.14        0.00145
         594421.07    4130034.14        0.00340
594471.07    4130034.14        0.00595
         594521.07    4130034.14        0.00660
594571.07    4130034.14        0.00576
         594621.07    4130034.14        0.00447
594671.07    4130034.14        0.00328
         594721.07    4130034.14        0.00237
594771.07    4130034.14        0.00175
         594821.07    4130034.14        0.00132
593821.07    4130084.14        0.00012
         593871.07    4130084.14        0.00014
593921.07    4130084.14        0.00017
         593971.07    4130084.14        0.00019
594021.07    4130084.14        0.00023
         594071.07    4130084.14        0.00028
594121.07    4130084.14        0.00034
         594271.07    4130084.14        0.00079
594321.07    4130084.14        0.00149
         594371.07    4130084.14        0.00386
594421.07    4130084.14        0.01188
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_T_ON ***
INCLUDING SOURCE(S):
PAREA07 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.01402	594521.07	4130084.14	0.01021
594571.07	4130084.14	0.00653	594621.07	4130084.14	0.00416
594671.07	4130084.14	0.00275	594721.07	4130084.14	0.00190
594771.07	4130084.14	0.00138	594821.07	4130084.14	0.00104
593821.07	4130134.14	0.00015	593871.07	4130134.14	0.00017
593921.07	4130134.14	0.00020	593971.07	4130134.14	0.00025
594021.07	4130134.14	0.00031	594071.07	4130134.14	0.00039
594121.07	4130134.14	0.00052	594271.07	4130134.14	0.00177
594321.07	4130134.14	0.00397	594371.07	4130134.14	0.02470
594421.07	4130134.14	0.04153	594471.07	4130134.14	0.01915
594521.07	4130134.14	0.00877	594571.07	4130134.14	0.00465
594621.07	4130134.14	0.00281	594671.07	4130134.14	0.00186
594721.07	4130134.14	0.00130	594771.07	4130134.14	0.00097
594821.07	4130134.14	0.00075	593821.07	4130184.14	0.00018

```
         593871.07    4130184.14        0.00021
593921.07    4130184.14        0.00025
         593971.07    4130184.14        0.00032
594021.07    4130184.14        0.00041
         594071.07    4130184.14        0.00055
594121.07    4130184.14        0.00079
         594171.07    4130184.14        0.00124
594221.07    4130184.14        0.00229
         594271.07    4130184.14        0.00557
594321.07    4130184.14        0.02496
         594371.07    4130184.14        0.06845
594421.07    4130184.14        0.02043
         594471.07    4130184.14        0.00740
594521.07    4130184.14        0.00378
         594571.07    4130184.14        0.00230
594621.07    4130184.14        0.00157
         594671.07    4130184.14        0.00112
594721.07    4130184.14        0.00084
         594771.07    4130184.14        0.00066
594821.07    4130184.14        0.00053
         593821.07    4130234.14        0.00020
593871.07    4130234.14        0.00024
         593921.07    4130234.14        0.00030
593971.07    4130234.14        0.00040
         594021.07    4130234.14        0.00055
594071.07    4130234.14        0.00080
         594121.07    4130234.14        0.00129
594171.07    4130234.14        0.00237
         594221.07    4130234.14        0.00507
594371.07    4130234.14        0.00964
         594421.07    4130234.14        0.00531
594471.07    4130234.14        0.00312
         594521.07    4130234.14        0.00194
594571.07    4130234.14        0.00135
         594621.07    4130234.14        0.00101
594671.07    4130234.14        0.00078
         594721.07    4130234.14        0.00061
594771.07    4130234.14        0.00050
         594821.07    4130234.14        0.00042
593821.07    4130284.14        0.00025
         593871.07    4130284.14        0.00031
593921.07    4130284.14        0.00038
         593971.07    4130284.14        0.00058
594021.07    4130284.14        0.00085
         594071.07    4130284.14        0.00129
594121.07    4130284.14        0.00207
         594171.07    4130284.14        0.00344
594221.07    4130284.14        0.00559
         594271.07    4130284.14        0.00714
594321.07    4130284.14        0.00637
         594371.07    4130284.14        0.00387
594421.07    4130284.14        0.00245
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_T_ON ***
INCLUDING SOURCE(S):
PAREA07 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00193	594521.07	4130284.14	0.00144
594571.07	4130284.14	0.00106	594621.07	4130284.14	0.00079
594671.07	4130284.14	0.00061	594721.07	4130284.14	0.00049
594771.07	4130284.14	0.00041	594821.07	4130284.14	0.00035
593821.07	4130334.14	0.00034	593871.07	4130334.14	0.00042
593921.07	4130334.14	0.00054	593971.07	4130334.14	0.00081
594021.07	4130334.14	0.00113	594071.07	4130334.14	0.00161
594121.07	4130334.14	0.00228	594171.07	4130334.14	0.00311
594221.07	4130334.14	0.00366	594271.07	4130334.14	0.00336
594321.07	4130334.14	0.00315	594371.07	4130334.14	0.00206
594421.07	4130334.14	0.00151	594471.07	4130334.14	0.00116
594521.07	4130334.14	0.00102	594571.07	4130334.14	0.00087
594621.07	4130334.14	0.00070	594671.07	4130334.14	0.00055
594721.07	4130334.14	0.00044	594771.07	4130334.14	0.00036

```
         594821.07    4130334.14        0.00030
593821.07    4130384.14        0.00045
         593871.07    4130384.14        0.00052
593921.07    4130384.14        0.00062
         593971.07    4130384.14        0.00094
594021.07    4130384.14        0.00124
         594071.07    4130384.14        0.00160
594121.07    4130384.14        0.00199
         594171.07    4130384.14        0.00225
594221.07    4130384.14        0.00214
         594271.07    4130384.14        0.00197
594321.07    4130384.14        0.00187
         594371.07    4130384.14        0.00128
594421.07    4130384.14        0.00101
         594471.07    4130384.14        0.00084
594521.07    4130384.14        0.00070
         594571.07    4130384.14        0.00063
594621.07    4130384.14        0.00057
         594671.07    4130384.14        0.00049
594721.07    4130384.14        0.00041
         594771.07    4130384.14        0.00034
594821.07    4130384.14        0.00028
         593821.07    4130434.14        0.00047
593871.07    4130434.14        0.00057
         593921.07    4130434.14        0.00069
593971.07    4130434.14        0.00097
         594021.07    4130434.14        0.00119
594071.07    4130434.14        0.00140
         594121.07    4130434.14        0.00154
594171.07    4130434.14        0.00151
         594221.07    4130434.14        0.00135
594271.07    4130434.14        0.00136
         594321.07    4130434.14        0.00124
594371.07    4130434.14        0.00087
         594421.07    4130434.14        0.00070
594471.07    4130434.14        0.00064
         594521.07    4130434.14        0.00053
594571.07    4130434.14        0.00046
         594621.07    4130434.14        0.00043
594671.07    4130434.14        0.00040
         594721.07    4130434.14        0.00037
594771.07    4130434.14        0.00032
         594821.07    4130434.14        0.00028
593821.07    4130484.14        0.00054
         593871.07    4130484.14        0.00064
593921.07    4130484.14        0.00072
         593971.07    4130484.14        0.00092
594021.07    4130484.14        0.00104
         594071.07    4130484.14        0.00113
594121.07    4130484.14        0.00113
         594171.07    4130484.14        0.00102
594221.07    4130484.14        0.00095
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_T_ON ***
INCLUDING SOURCE(S):
PAREA07 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00099	594321.07	4130484.14	0.00087
594371.07	4130484.14	0.00063	594421.07	4130484.14	0.00052
594471.07	4130484.14	0.00049	594521.07	4130484.14	0.00043
594571.07	4130484.14	0.00036	594621.07	4130484.14	0.00033
594671.07	4130484.14	0.00031	594721.07	4130484.14	0.00030
594771.07	4130484.14	0.00028	594821.07	4130484.14	0.00026
593821.07	4130534.14	0.00056	593871.07	4130534.14	0.00063
593921.07	4130534.14	0.00068	593971.07	4130534.14	0.00080
594021.07	4130534.14	0.00088	594071.07	4130534.14	0.00088
594121.07	4130534.14	0.00081	594171.07	4130534.14	0.00073
594221.07	4130534.14	0.00073	594271.07	4130534.14	0.00076
594321.07	4130534.14	0.00065	594371.07	4130534.14	0.00048
594421.07	4130534.14	0.00040	594471.07	4130534.14	0.00038
594521.07	4130534.14	0.00036	594571.07	4130534.14	0.00030

```
         594621.07    4130534.14        0.00026
594671.07    4130534.14        0.00023
         594721.07    4130534.14        0.00022
594771.07    4130534.14        0.00021
         594821.07    4130534.14        0.00020
593821.07    4130584.14        0.00053
         593871.07    4130584.14        0.00059
593921.07    4130584.14        0.00064
         593971.07    4130584.14        0.00068
594021.07    4130584.14        0.00068
         594071.07    4130584.14        0.00064
594121.07    4130584.14        0.00057
         594171.07    4130584.14        0.00054
594221.07    4130584.14        0.00056
         594271.07    4130584.14        0.00056
594321.07    4130584.14        0.00045
         594371.07    4130584.14        0.00035
594421.07    4130584.14        0.00029
         594471.07    4130584.14        0.00026
594521.07    4130584.14        0.00026
         594571.07    4130584.14        0.00024
594621.07    4130584.14        0.00020
         594671.07    4130584.14        0.00018
594721.07    4130584.14        0.00017
         594771.07    4130584.14        0.00017
594821.07    4130584.14        0.00017
         593821.07    4130634.14        0.00051
593871.07    4130634.14        0.00054
         593921.07    4130634.14        0.00057
593971.07    4130634.14        0.00057
         594021.07    4130634.14        0.00055
594071.07    4130634.14        0.00050
         594121.07    4130634.14        0.00045
594171.07    4130634.14        0.00043
         594221.07    4130634.14        0.00045
594271.07    4130634.14        0.00044
         594321.07    4130634.14        0.00036
594371.07    4130634.14        0.00028
         594421.07    4130634.14        0.00024
594471.07    4130634.14        0.00022
         594521.07    4130634.14        0.00022
594571.07    4130634.14        0.00023
         594621.07    4130634.14        0.00021
594671.07    4130634.14        0.00018
         594721.07    4130634.14        0.00017
594771.07    4130634.14        0.00016
         594821.07    4130634.14        0.00016
593821.07    4130684.14        0.00046
         593871.07    4130684.14        0.00048
593921.07    4130684.14        0.00049
         593971.07    4130684.14        0.00048
594021.07    4130684.14        0.00044
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_T_ON ***
INCLUDING SOURCE(S):
PAREA07 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00041	594121.07	4130684.14	0.00039
594171.07	4130684.14	0.00040	594221.07	4130684.14	0.00042
594271.07	4130684.14	0.00040	594321.07	4130684.14	0.00033
594371.07	4130684.14	0.00026	594421.07	4130684.14	0.00022
594471.07	4130684.14	0.00021	594521.07	4130684.14	0.00020
594571.07	4130684.14	0.00020	594621.07	4130684.14	0.00019
594671.07	4130684.14	0.00017	594721.07	4130684.14	0.00015
594771.07	4130684.14	0.00014	594821.07	4130684.14	0.00013
593821.07	4130734.14	0.00042	593871.07	4130734.14	0.00042
593921.07	4130734.14	0.00042	593971.07	4130734.14	0.00039
594021.07	4130734.14	0.00036	594071.07	4130734.14	0.00034
594121.07	4130734.14	0.00033	594171.07	4130734.14	0.00035
594221.07	4130734.14	0.00036	594271.07	4130734.14	0.00033
594321.07	4130734.14	0.00028	594371.07	4130734.14	0.00022

```
         594421.07    4130734.14        0.00019
594471.07    4130734.14        0.00018
         594521.07    4130734.14        0.00017
594571.07    4130734.14        0.00018
         594621.07    4130734.14        0.00017
594671.07    4130734.14        0.00015
         594721.07    4130734.14        0.00013
594771.07    4130734.14        0.00012
         594821.07    4130734.14        0.00012
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.06902	594132.05	4130211.12	0.09359
593821.07	4129734.14	0.00087	593871.07	4129734.14	0.00089
593921.07	4129734.14	0.00097	593971.07	4129734.14	0.00104
594021.07	4129734.14	0.00125	594071.07	4129734.14	0.00157
594121.07	4129734.14	0.00202	594171.07	4129734.14	0.00246
594221.07	4129734.14	0.00296	594271.07	4129734.14	0.00371
594321.07	4129734.14	0.00474	594371.07	4129734.14	0.00613
594421.07	4129734.14	0.00799	594471.07	4129734.14	0.01001
594521.07	4129734.14	0.01188	594571.07	4129734.14	0.01339
594621.07	4129734.14	0.01464	594671.07	4129734.14	0.01569
594721.07	4129734.14	0.01600	594771.07	4129734.14	0.01633
594821.07	4129734.14	0.01601	593821.07	4129784.14	0.00103
593871.07	4129784.14	0.00103	593921.07	4129784.14	0.00114
593971.07	4129784.14	0.00126			

```
594021.07    4129784.14        0.00145
         594071.07    4129784.14        0.00181
594121.07    4129784.14        0.00236
         594171.07    4129784.14        0.00297
594221.07    4129784.14        0.00373
         594271.07    4129784.14        0.00493
594321.07    4129784.14        0.00660
         594371.07    4129784.14        0.00894
594421.07    4129784.14        0.01175
         594471.07    4129784.14        0.01445
594521.07    4129784.14        0.01665
         594571.07    4129784.14        0.01840
594621.07    4129784.14        0.01964
         594671.07    4129784.14        0.02025
594721.07    4129784.14        0.02003
         594771.07    4129784.14        0.01968
594821.07    4129784.14        0.01859
         593821.07    4129834.14        0.00124
593871.07    4129834.14        0.00127
         593921.07    4129834.14        0.00137
593971.07    4129834.14        0.00152
         594021.07    4129834.14        0.00174
594071.07    4129834.14        0.00214
         594121.07    4129834.14        0.00284
594171.07    4129834.14        0.00376
         594221.07    4129834.14        0.00502
594271.07    4129834.14        0.00705
         594321.07    4129834.14        0.01012
594371.07    4129834.14        0.01405
         594421.07    4129834.14        0.01806
594471.07    4129834.14        0.02124
         594521.07    4129834.14        0.02355
594571.07    4129834.14        0.02508
         594621.07    4129834.14        0.02572
594671.07    4129834.14        0.02541
         594721.07    4129834.14        0.02437
594771.07    4129834.14        0.02291
         594821.07    4129834.14        0.02115
593821.07    4129884.14        0.00150
         593871.07    4129884.14        0.00159
593921.07    4129884.14        0.00173
         593971.07    4129884.14        0.00193
594021.07    4129884.14        0.00220
         594071.07    4129884.14        0.00269
594121.07    4129884.14        0.00365
         594171.07    4129884.14        0.00500
594221.07    4129884.14        0.00709
         594271.07    4129884.14        0.01118
594321.07    4129884.14        0.01712
         594371.07    4129884.14        0.02351
594421.07    4129884.14        0.02852
         594471.07    4129884.14        0.03153
```

594521.07	4129884.14	0.03310

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.03345	594621.07	4129884.14	0.03255
594671.07	4129884.14	0.03081	594721.07	4129884.14	0.02844
594771.07	4129884.14	0.02585	594821.07	4129884.14	0.02313
593821.07	4129934.14	0.00186	593871.07	4129934.14	0.00201
593921.07	4129934.14	0.00226	593971.07	4129934.14	0.00254
594021.07	4129934.14	0.00291	594071.07	4129934.14	0.00353
594121.07	4129934.14	0.00482	594171.07	4129934.14	0.00721
594221.07	4129934.14	0.01164	594271.07	4129934.14	0.02111
594321.07	4129934.14	0.03311	594371.07	4129934.14	0.04167
594421.07	4129934.14	0.04494	594471.07	4129934.14	0.04545
594521.07	4129934.14	0.04472	594571.07	4129934.14	0.04285
594621.07	4129934.14	0.03993	594671.07	4129934.14	0.03625
594721.07	4129934.14	0.03212	594771.07	4129934.14	0.02811
594821.07	4129934.14	0.02418			

593821.07 4129984.14 0.00238
593871.07 4129984.14 0.00265
593921.07 4129984.14 0.00302
593971.07 4129984.14 0.00351
594021.07 4129984.14 0.00409
594071.07 4129984.14 0.00508
594121.07 4129984.14 0.00710
594171.07 4129984.14 0.01181
594221.07 4129984.14 0.02485
594271.07 4129984.14 0.05113
594321.07 4129984.14 0.07035
594371.07 4129984.14 0.07107
594421.07 4129984.14 0.06537
594471.07 4129984.14 0.06113
594521.07 4129984.14 0.05776
594571.07 4129984.14 0.05329
594621.07 4129984.14 0.04755
594671.07 4129984.14 0.04113
594721.07 4129984.14 0.03447
594771.07 4129984.14 0.02861
594821.07 4129984.14 0.02343
593821.07 4130034.14 0.00307
593871.07 4130034.14 0.00354
593921.07 4130034.14 0.00418
593971.07 4130034.14 0.00509
594021.07 4130034.14 0.00633
594071.07 4130034.14 0.00833
594121.07 4130034.14 0.01245
594171.07 4130034.14 0.02706
594221.07 4130034.14 0.09270
594271.07 4130034.14 0.15658
594321.07 4130034.14 0.13410
594371.07 4130034.14 0.09944
594421.07 4130034.14 0.08495
594471.07 4130034.14 0.08121
594521.07 4130034.14 0.07522
594571.07 4130034.14 0.06535
594621.07 4130034.14 0.05397
594671.07 4130034.14 0.04300
594721.07 4130034.14 0.03360
594771.07 4130034.14 0.02633
594821.07 4130034.14 0.02084
593821.07 4130084.14 0.00391
593871.07 4130084.14 0.00469
593921.07 4130084.14 0.00586
593971.07 4130084.14 0.00758
594021.07 4130084.14 0.01050
594071.07 4130084.14 0.01630
594121.07 4130084.14 0.03295
594271.07 4130084.14 0.28332
594321.07 4130084.14 0.14853
594371.07 4130084.14 0.11290

```
594421.07    4130084.14        0.12094
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.11827	594521.07	4130084.14	0.09693
594571.07	4130084.14	0.07326	594621.07	4130084.14	0.05363
594671.07	4130084.14	0.03913	594721.07	4130084.14	0.02898
594771.07	4130084.14	0.02206	594821.07	4130084.14	0.01722
593821.07	4130134.14	0.00490	593871.07	4130134.14	0.00614
593921.07	4130134.14	0.00815	593971.07	4130134.14	0.01156
594021.07	4130134.14	0.01853	594071.07	4130134.14	0.03666
594121.07	4130134.14	0.09782	594271.07	4130134.14	0.19072
594321.07	4130134.14	0.13871	594371.07	4130134.14	0.20797
594421.07	4130134.14	0.23208	594471.07	4130134.14	0.16377
594521.07	4130134.14	0.10335	594571.07	4130134.14	0.06575
594621.07	4130134.14	0.04382	594671.07	4130134.14	0.03067
594721.07	4130134.14	0.02234	594771.07	4130134.14	0.01708
594821.07	4130134.14	0.01346			

```
593821.07    4130184.14        0.00634
         593871.07    4130184.14        0.00840
593921.07    4130184.14        0.01187
         593971.07    4130184.14        0.01831
594021.07    4130184.14        0.03108
         594071.07    4130184.14        0.05838
594121.07    4130184.14        0.11446
         594171.07    4130184.14        0.15402
594221.07    4130184.14        0.11152
         594271.07    4130184.14        0.15527
594321.07    4130184.14        0.43496
         594371.07    4130184.14        0.55977
594421.07    4130184.14        0.29131
         594471.07    4130184.14        0.13715
594521.07    4130184.14        0.07289
         594571.07    4130184.14        0.04418
594621.07    4130184.14        0.02978
         594671.07    4130184.14        0.02128
594721.07    4130184.14        0.01598
         594771.07    4130184.14        0.01251
594821.07    4130184.14        0.01010
         593821.07    4130234.14        0.00858
593871.07    4130234.14        0.01159
         593921.07    4130234.14        0.01619
593971.07    4130234.14        0.02495
         594021.07    4130234.14        0.03793
594071.07    4130234.14        0.05550
         594121.07    4130234.14        0.07087
594171.07    4130234.14        0.08341
         594221.07    4130234.14        0.13398
594371.07    4130234.14        0.38385
         594421.07    4130234.14        0.15006
594471.07    4130234.14        0.06667
         594521.07    4130234.14        0.03827
594571.07    4130234.14        0.02575
         594621.07    4130234.14        0.01883
594671.07    4130234.14        0.01441
         594721.07    4130234.14        0.01138
594771.07    4130234.14        0.00931
         594821.07    4130234.14        0.00777
593821.07    4130284.14        0.01089
         593871.07    4130284.14        0.01400
593921.07    4130284.14        0.01783
         593971.07    4130284.14        0.02724
594021.07    4130284.14        0.03651
         594071.07    4130284.14        0.04629
594121.07    4130284.14        0.05989
         594171.07    4130284.14        0.08931
594221.07    4130284.14        0.15419
         594271.07    4130284.14        0.21048
594321.07    4130284.14        0.17474
         594371.07    4130284.14        0.08956
```

```
594421.07    4130284.14        0.05232
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.03420	594521.07	4130284.14	0.02342
594571.07	4130284.14	0.01774	594621.07	4130284.14	0.01368
594671.07	4130284.14	0.01090	594721.07	4130284.14	0.00895
594771.07	4130284.14	0.00751	594821.07	4130284.14	0.00642
593821.07	4130334.14	0.01281	593871.07	4130334.14	0.01514
593921.07	4130334.14	0.01867	593971.07	4130334.14	0.02766
594021.07	4130334.14	0.03434	594071.07	4130334.14	0.04311
594121.07	4130334.14	0.05785	594171.07	4130334.14	0.07744
594221.07	4130334.14	0.09009	594271.07	4130334.14	0.08588
594321.07	4130334.14	0.06413	594371.07	4130334.14	0.04172
594421.07	4130334.14	0.03075	594471.07	4130334.14	0.02386
594521.07	4130334.14	0.01868	594571.07	4130334.14	0.01452
594621.07	4130334.14	0.01140	594671.07	4130334.14	0.00919
594721.07	4130334.14	0.00761			

```
594771.07    4130334.14        0.00644
         594821.07    4130334.14        0.00555
593821.07    4130384.14        0.01439
         593871.07    4130384.14        0.01614
593921.07    4130384.14        0.01837
         593971.07    4130384.14        0.02665
594021.07    4130384.14        0.03190
         594071.07    4130384.14        0.03889
594121.07    4130384.14        0.04757
         594171.07    4130384.14        0.05200
594221.07    4130384.14        0.04978
         594271.07    4130384.14        0.04376
594321.07    4130384.14        0.03463
         594371.07    4130384.14        0.02503
594421.07    4130384.14        0.01989
         594471.07    4130384.14        0.01681
594521.07    4130384.14        0.01463
         594571.07    4130384.14        0.01238
594621.07    4130384.14        0.01022
         594671.07    4130384.14        0.00840
594721.07    4130384.14        0.00696
         594771.07    4130384.14        0.00586
594821.07    4130384.14        0.00502
         593821.07    4130434.14        0.01371
593871.07    4130434.14        0.01601
         593921.07    4130434.14        0.01805
593971.07    4130434.14        0.02437
         594021.07    4130434.14        0.02795
594071.07    4130434.14        0.03213
         594121.07    4130434.14        0.03500
594171.07    4130434.14        0.03368
         594221.07    4130434.14        0.03051
594271.07    4130434.14        0.02717
         594321.07    4130434.14        0.02215
594371.07    4130434.14        0.01713
         594421.07    4130434.14        0.01418
594471.07    4130434.14        0.01218
         594521.07    4130434.14        0.01086
594571.07    4130434.14        0.00989
         594621.07    4130434.14        0.00886
594671.07    4130434.14        0.00769
         594721.07    4130434.14        0.00659
594771.07    4130434.14        0.00562
         594821.07    4130434.14        0.00481
593821.07    4130484.14        0.01480
         593871.07    4130484.14        0.01634
593921.07    4130484.14        0.01720
         593971.07    4130484.14        0.02124
594021.07    4130484.14        0.02331
         594071.07    4130484.14        0.02510
594121.07    4130484.14        0.02499
         594171.07    4130484.14        0.02287
```

594221.07	4130484.14	0.02100

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.01889	594321.07	4130484.14	0.01551
594371.07	4130484.14	0.01250	594421.07	4130484.14	0.01077
594471.07	4130484.14	0.00940	594521.07	4130484.14	0.00829
594571.07	4130484.14	0.00763	594621.07	4130484.14	0.00715
594671.07	4130484.14	0.00664	594721.07	4130484.14	0.00603
594771.07	4130484.14	0.00536	594821.07	4130484.14	0.00469
593821.07	4130534.14	0.01410	593871.07	4130534.14	0.01491
593921.07	4130534.14	0.01534	593971.07	4130534.14	0.01757
594021.07	4130534.14	0.01893	594071.07	4130534.14	0.01918
594121.07	4130534.14	0.01817	594171.07	4130534.14	0.01660
594221.07	4130534.14	0.01554	594271.07	4130534.14	0.01391
594321.07	4130534.14	0.01146	594371.07	4130534.14	0.00950
594421.07	4130534.14	0.00845	594471.07	4130534.14	0.00760
594521.07	4130534.14	0.00669			

```
594571.07    4130534.14        0.00599
         594621.07    4130534.14        0.00554
594671.07    4130534.14        0.00493
         594721.07    4130534.14        0.00476
594771.07    4130534.14        0.00437
         594821.07    4130534.14        0.00399
593821.07    4130584.14        0.01278
         593871.07    4130584.14        0.01349
593921.07    4130584.14        0.01407
         593971.07    4130584.14        0.01450
594021.07    4130584.14        0.01469
         594071.07    4130584.14        0.01403
594121.07    4130584.14        0.01297
         594171.07    4130584.14        0.01202
594221.07    4130584.14        0.01129
         594271.07    4130584.14        0.00995
594321.07    4130584.14        0.00798
         594371.07    4130584.14        0.00673
594421.07    4130584.14        0.00602
         594471.07    4130584.14        0.00551
594521.07    4130584.14        0.00495
         594571.07    4130584.14        0.00444
594621.07    4130584.14        0.00413
         594671.07    4130584.14        0.00396
594721.07    4130584.14        0.00384
         594771.07    4130584.14        0.00370
594821.07    4130584.14        0.00353
         593821.07    4130634.14        0.01158
593871.07    4130634.14        0.01180
         593921.07    4130634.14        0.01209
593971.07    4130634.14        0.01213
         594021.07    4130634.14        0.01177
594071.07    4130634.14        0.01110
         594121.07    4130634.14        0.01022
594171.07    4130634.14        0.00950
         594221.07    4130634.14        0.00883
594271.07    4130634.14        0.00771
         594321.07    4130634.14        0.00635
594371.07    4130634.14        0.00547
         594421.07    4130634.14        0.00505
594471.07    4130634.14        0.00479
         594521.07    4130634.14        0.00445
594571.07    4130634.14        0.00434
         594621.07    4130634.14        0.00399
594671.07    4130634.14        0.00373
         594721.07    4130634.14        0.00361
594771.07    4130634.14        0.00351
         594821.07    4130634.14        0.00343
593821.07    4130684.14        0.01018
         593871.07    4130684.14        0.01023
593921.07    4130684.14        0.01014
         593971.07    4130684.14        0.01009
```

594021.07	4130684.14	0.00959

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_ON ***
INCLUDING SOURCE(S):
PAREA03 , PAREA04 , PAREA07 , PAREA11 , PAREA12 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00921	594121.07	4130684.14	0.00895
594171.07	4130684.14	0.00860	594221.07	4130684.14	0.00802
594271.07	4130684.14	0.00698	594321.07	4130684.14	0.00583
594371.07	4130684.14	0.00507	594421.07	4130684.14	0.00474
594471.07	4130684.14	0.00455	594521.07	4130684.14	0.00431
594571.07	4130684.14	0.00392	594621.07	4130684.14	0.00352
594671.07	4130684.14	0.00323	594721.07	4130684.14	0.00307
594771.07	4130684.14	0.00298	594821.07	4130684.14	0.00293
593821.07	4130734.14	0.00887	593871.07	4130734.14	0.00878
593921.07	4130734.14	0.00856	593971.07	4130734.14	0.00834
594021.07	4130734.14	0.00807	594071.07	4130734.14	0.00779
594121.07	4130734.14	0.00756	594171.07	4130734.14	0.00726
594221.07	4130734.14	0.00674	594271.07	4130734.14	0.00586
594321.07	4130734.14	0.00493			

```
594371.07    4130734.14        0.00431
         594421.07    4130734.14        0.00403
594471.07    4130734.14        0.00391
         594521.07    4130734.14        0.00379
594571.07    4130734.14        0.00353
         594621.07    4130734.14        0.00319
594671.07    4130734.14        0.00289
         594721.07    4130734.14        0.00270
594771.07    4130734.14        0.00259
         594821.07    4130734.14        0.00253
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_OFF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 ,
A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00001	594132.05	4130211.12	0.00001
593821.07	4129734.14	0.00000	593871.07	4129734.14	0.00000
593921.07	4129734.14	0.00000	593971.07	4129734.14	0.00000
594021.07	4129734.14	0.00000	594071.07	4129734.14	0.00000
594121.07	4129734.14	0.00000	594171.07	4129734.14	0.00000
594221.07	4129734.14	0.00000	594271.07	4129734.14	0.00000
594321.07	4129734.14	0.00000	594371.07	4129734.14	0.00000
594421.07	4129734.14	0.00000	594471.07	4129734.14	0.00000
594521.07	4129734.14	0.00000	594571.07	4129734.14	0.00000
594621.07	4129734.14	0.00000	594671.07	4129734.14	0.00000
594721.07	4129734.14	0.00000	594771.07	4129734.14	0.00000

```
         594821.07    4129734.14        0.00000
593821.07    4129784.14        0.00000
         593871.07    4129784.14        0.00000
593921.07    4129784.14        0.00000
         593971.07    4129784.14        0.00000
594021.07    4129784.14        0.00000
         594071.07    4129784.14        0.00000
594121.07    4129784.14        0.00000
         594171.07    4129784.14        0.00000
594221.07    4129784.14        0.00000
         594271.07    4129784.14        0.00000
594321.07    4129784.14        0.00000
         594371.07    4129784.14        0.00000
594421.07    4129784.14        0.00000
         594471.07    4129784.14        0.00000
594521.07    4129784.14        0.00000
         594571.07    4129784.14        0.00000
594621.07    4129784.14        0.00000
         594671.07    4129784.14        0.00000
594721.07    4129784.14        0.00000
         594771.07    4129784.14        0.00000
594821.07    4129784.14        0.00000
         593821.07    4129834.14        0.00000
593871.07    4129834.14        0.00000
         593921.07    4129834.14        0.00000
593971.07    4129834.14        0.00000
         594021.07    4129834.14        0.00000
594071.07    4129834.14        0.00000
         594121.07    4129834.14        0.00000
594171.07    4129834.14        0.00000
         594221.07    4129834.14        0.00000
594271.07    4129834.14        0.00000
         594321.07    4129834.14        0.00000
594371.07    4129834.14        0.00000
         594421.07    4129834.14        0.00000
594471.07    4129834.14        0.00000
         594521.07    4129834.14        0.00000
594571.07    4129834.14        0.00000
         594621.07    4129834.14        0.00000
594671.07    4129834.14        0.00000
         594721.07    4129834.14        0.00000
594771.07    4129834.14        0.00001
         594821.07    4129834.14        0.00001
593821.07    4129884.14        0.00000
         593871.07    4129884.14        0.00000
593921.07    4129884.14        0.00000
         593971.07    4129884.14        0.00000
594021.07    4129884.14        0.00000
         594071.07    4129884.14        0.00000
594121.07    4129884.14        0.00000
         594171.07    4129884.14        0.00000
594221.07    4129884.14        0.00000
```

```
         594271.07    4129884.14        0.00000
594321.07    4129884.14        0.00000
         594371.07    4129884.14        0.00000
594421.07    4129884.14        0.00000
         594471.07    4129884.14        0.00000
594521.07    4129884.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_OFF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 ,
A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00001	594621.07	4129884.14	0.00001
594671.07	4129884.14	0.00001	594721.07	4129884.14	0.00001
594771.07	4129884.14	0.00001	594821.07	4129884.14	0.00001
593821.07	4129934.14	0.00000	593871.07	4129934.14	0.00000
593921.07	4129934.14	0.00000	593971.07	4129934.14	0.00000
594021.07	4129934.14	0.00000	594071.07	4129934.14	0.00000
594121.07	4129934.14	0.00000	594171.07	4129934.14	0.00000
594221.07	4129934.14	0.00000	594271.07	4129934.14	0.00000
594321.07	4129934.14	0.00000	594371.07	4129934.14	0.00000
594421.07	4129934.14	0.00001	594471.07	4129934.14	0.00001
594521.07	4129934.14	0.00001	594571.07	4129934.14	0.00001

```
         594621.07    4129934.14        0.00001
594671.07    4129934.14        0.00001
         594721.07    4129934.14        0.00001
594771.07    4129934.14        0.00001
         594821.07    4129934.14        0.00001
593821.07    4129984.14        0.00000
         593871.07    4129984.14        0.00000
593921.07    4129984.14        0.00000
         593971.07    4129984.14        0.00000
594021.07    4129984.14        0.00000
         594071.07    4129984.14        0.00000
594121.07    4129984.14        0.00000
         594171.07    4129984.14        0.00000
594221.07    4129984.14        0.00000
         594271.07    4129984.14        0.00000
594321.07    4129984.14        0.00001
         594371.07    4129984.14        0.00001
594421.07    4129984.14        0.00001
         594471.07    4129984.14        0.00001
594521.07    4129984.14        0.00001
         594571.07    4129984.14        0.00001
594621.07    4129984.14        0.00001
         594671.07    4129984.14        0.00001
594721.07    4129984.14        0.00001
         594771.07    4129984.14        0.00001
594821.07    4129984.14        0.00001
         593821.07    4130034.14        0.00000
593871.07    4130034.14        0.00000
         593921.07    4130034.14        0.00000
593971.07    4130034.14        0.00000
         594021.07    4130034.14        0.00000
594071.07    4130034.14        0.00000
         594121.07    4130034.14        0.00000
594171.07    4130034.14        0.00000
         594221.07    4130034.14        0.00000
594271.07    4130034.14        0.00001
         594321.07    4130034.14        0.00002
594371.07    4130034.14        0.00002
         594421.07    4130034.14        0.00002
594471.07    4130034.14        0.00001
         594521.07    4130034.14        0.00001
594571.07    4130034.14        0.00001
         594621.07    4130034.14        0.00001
594671.07    4130034.14        0.00001
         594721.07    4130034.14        0.00001
594771.07    4130034.14        0.00001
         594821.07    4130034.14        0.00001
593821.07    4130084.14        0.00000
         593871.07    4130084.14        0.00000
593921.07    4130084.14        0.00000
         593971.07    4130084.14        0.00000
594021.07    4130084.14        0.00000
```

```
         594071.07    4130084.14        0.00000
594121.07    4130084.14        0.00000
         594271.07    4130084.14        0.00005
594321.07    4130084.14        0.00003
         594371.07    4130084.14        0.00002
594421.07    4130084.14        0.00002
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_OFF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 ,
A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00002	594521.07	4130084.14	0.00002
594571.07	4130084.14	0.00001	594621.07	4130084.14	0.00001
594671.07	4130084.14	0.00001	594721.07	4130084.14	0.00001
594771.07	4130084.14	0.00001	594821.07	4130084.14	0.00001
593821.07	4130134.14	0.00000	593871.07	4130134.14	0.00000
593921.07	4130134.14	0.00000	593971.07	4130134.14	0.00000
594021.07	4130134.14	0.00000	594071.07	4130134.14	0.00000
594121.07	4130134.14	0.00000	594271.07	4130134.14	0.00006
594321.07	4130134.14	0.00004	594371.07	4130134.14	0.00003
594421.07	4130134.14	0.00002	594471.07	4130134.14	0.00002
594521.07	4130134.14	0.00002	594571.07	4130134.14	0.00002

```
         594621.07    4130134.14        0.00001
594671.07    4130134.14        0.00001
         594721.07    4130134.14        0.00001
594771.07    4130134.14        0.00001
         594821.07    4130134.14        0.00001
593821.07    4130184.14        0.00000
         593871.07    4130184.14        0.00000
593921.07    4130184.14        0.00000
         593971.07    4130184.14        0.00000
594021.07    4130184.14        0.00000
         594071.07    4130184.14        0.00000
594121.07    4130184.14        0.00001
         594171.07    4130184.14        0.00001
594221.07    4130184.14        0.00003
         594271.07    4130184.14        0.00010
594321.07    4130184.14        0.00006
         594371.07    4130184.14        0.00004
594421.07    4130184.14        0.00003
         594471.07    4130184.14        0.00002
594521.07    4130184.14        0.00002
         594571.07    4130184.14        0.00002
594621.07    4130184.14        0.00002
         594671.07    4130184.14        0.00001
594721.07    4130184.14        0.00001
         594771.07    4130184.14        0.00001
594821.07    4130184.14        0.00001
         593821.07    4130234.14        0.00000
593871.07    4130234.14        0.00000
         593921.07    4130234.14        0.00000
593971.07    4130234.14        0.00000
         594021.07    4130234.14        0.00000
594071.07    4130234.14        0.00001
         594121.07    4130234.14        0.00001
594171.07    4130234.14        0.00002
         594221.07    4130234.14        0.00005
594371.07    4130234.14        0.00004
         594421.07    4130234.14        0.00003
594471.07    4130234.14        0.00002
         594521.07    4130234.14        0.00002
594571.07    4130234.14        0.00002
         594621.07    4130234.14        0.00002
594671.07    4130234.14        0.00002
         594721.07    4130234.14        0.00002
594771.07    4130234.14        0.00002
         594821.07    4130234.14        0.00001
593821.07    4130284.14        0.00000
         593871.07    4130284.14        0.00000
593921.07    4130284.14        0.00000
         593971.07    4130284.14        0.00000
594021.07    4130284.14        0.00001
         594071.07    4130284.14        0.00001
594121.07    4130284.14        0.00001
```

```
         594171.07    4130284.14        0.00003
594221.07    4130284.14        0.00006
         594271.07    4130284.14        0.00013
594321.07    4130284.14        0.00007
         594371.07    4130284.14        0.00004
594421.07    4130284.14        0.00003
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_OFF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 ,
A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00003	594521.07	4130284.14	0.00002
594571.07	4130284.14	0.00002	594621.07	4130284.14	0.00002
594671.07	4130284.14	0.00002	594721.07	4130284.14	0.00002
594771.07	4130284.14	0.00002	594821.07	4130284.14	0.00002
593821.07	4130334.14	0.00000	593871.07	4130334.14	0.00000
593921.07	4130334.14	0.00000	593971.07	4130334.14	0.00001
594021.07	4130334.14	0.00001	594071.07	4130334.14	0.00001
594121.07	4130334.14	0.00002	594171.07	4130334.14	0.00003
594221.07	4130334.14	0.00006	594271.07	4130334.14	0.00012
594321.07	4130334.14	0.00007	594371.07	4130334.14	0.00005
594421.07	4130334.14	0.00004	594471.07	4130334.14	0.00003

```
         594521.07    4130334.14        0.00003
594571.07    4130334.14        0.00003
         594621.07    4130334.14        0.00003
594671.07    4130334.14        0.00003
         594721.07    4130334.14        0.00003
594771.07    4130334.14        0.00002
         594821.07    4130334.14        0.00002
593821.07    4130384.14        0.00000
         593871.07    4130384.14        0.00000
593921.07    4130384.14        0.00000
         593971.07    4130384.14        0.00001
594021.07    4130384.14        0.00001
         594071.07    4130384.14        0.00001
594121.07    4130384.14        0.00002
         594171.07    4130384.14        0.00003
594221.07    4130384.14        0.00006
         594271.07    4130384.14        0.00007
594321.07    4130384.14        0.00009
         594371.07    4130384.14        0.00006
594421.07    4130384.14        0.00005
         594471.07    4130384.14        0.00005
594521.07    4130384.14        0.00005
         594571.07    4130384.14        0.00005
594621.07    4130384.14        0.00005
         594671.07    4130384.14        0.00005
594721.07    4130384.14        0.00003
         594771.07    4130384.14        0.00002
594821.07    4130384.14        0.00002
         593821.07    4130434.14        0.00000
593871.07    4130434.14        0.00000
         593921.07    4130434.14        0.00000
593971.07    4130434.14        0.00001
         594021.07    4130434.14        0.00001
594071.07    4130434.14        0.00001
         594121.07    4130434.14        0.00002
594171.07    4130434.14        0.00003
         594221.07    4130434.14        0.00005
594271.07    4130434.14        0.00007
         594321.07    4130434.14        0.00011
594371.07    4130434.14        0.00011
         594421.07    4130434.14        0.00011
594471.07    4130434.14        0.00011
         594521.07    4130434.14        0.00010
594571.07    4130434.14        0.00010
         594621.07    4130434.14        0.00010
594671.07    4130434.14        0.00007
         594721.07    4130434.14        0.00003
594771.07    4130434.14        0.00002
         594821.07    4130434.14        0.00001
593821.07    4130484.14        0.00000
         593871.07    4130484.14        0.00000
593921.07    4130484.14        0.00001
```

```
         593971.07    4130484.14        0.00001
594021.07    4130484.14        0.00001
         594071.07    4130484.14        0.00001
594121.07    4130484.14        0.00002
         594171.07    4130484.14        0.00003
594221.07    4130484.14        0.00005
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_OFF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 ,
A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00009	594321.07	4130484.14	0.00010
594371.07	4130484.14	0.00010	594421.07	4130484.14	0.00010
594471.07	4130484.14	0.00010	594521.07	4130484.14	0.00010
594571.07	4130484.14	0.00009	594621.07	4130484.14	0.00006
594671.07	4130484.14	0.00003	594721.07	4130484.14	0.00001
594771.07	4130484.14	0.00001	594821.07	4130484.14	0.00001
593821.07	4130534.14	0.00000	593871.07	4130534.14	0.00000
593921.07	4130534.14	0.00001	593971.07	4130534.14	0.00001
594021.07	4130534.14	0.00001	594071.07	4130534.14	0.00001
594121.07	4130534.14	0.00002	594171.07	4130534.14	0.00002
594221.07	4130534.14	0.00003	594271.07	4130534.14	0.00004

```
          594321.07    4130534.14         0.00004
594371.07    4130534.14         0.00005
          594421.07    4130534.14         0.00005
594471.07    4130534.14         0.00005
          594521.07    4130534.14         0.00004
594571.07    4130534.14         0.00003
          594621.07    4130534.14         0.00002
594671.07    4130534.14         0.00001
          594721.07    4130534.14         0.00001
594771.07    4130534.14         0.00001
          594821.07    4130534.14         0.00000
593821.07    4130584.14         0.00000
          593871.07    4130584.14         0.00001
593921.07    4130584.14         0.00001
          593971.07    4130584.14         0.00001
594021.07    4130584.14         0.00001
          594071.07    4130584.14         0.00001
594121.07    4130584.14         0.00002
          594171.07    4130584.14         0.00002
594221.07    4130584.14         0.00002
          594271.07    4130584.14         0.00002
594321.07    4130584.14         0.00002
          594371.07    4130584.14         0.00002
594421.07    4130584.14         0.00002
          594471.07    4130584.14         0.00002
594521.07    4130584.14         0.00002
          594571.07    4130584.14         0.00001
594621.07    4130584.14         0.00001
          594671.07    4130584.14         0.00001
594721.07    4130584.14         0.00001
          594771.07    4130584.14         0.00000
594821.07    4130584.14         0.00000
          593821.07    4130634.14         0.00000
593871.07    4130634.14         0.00001
          593921.07    4130634.14         0.00001
593971.07    4130634.14         0.00001
          594021.07    4130634.14         0.00001
594071.07    4130634.14         0.00001
          594121.07    4130634.14         0.00001
594171.07    4130634.14         0.00001
          594221.07    4130634.14         0.00002
594271.07    4130634.14         0.00002
          594321.07    4130634.14         0.00001
594371.07    4130634.14         0.00001
          594421.07    4130634.14         0.00001
594471.07    4130634.14         0.00001
          594521.07    4130634.14         0.00001
594571.07    4130634.14         0.00001
          594621.07    4130634.14         0.00001
594671.07    4130634.14         0.00001
          594721.07    4130634.14         0.00001
594771.07    4130634.14         0.00000
```

```
         594821.07    4130634.14        0.00000
593821.07    4130684.14        0.00001
         593871.07    4130684.14        0.00001
593921.07    4130684.14        0.00001
         593971.07    4130684.14        0.00001
594021.07    4130684.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y2_OFF ***
INCLUDING SOURCE(S):
A0000021 , A0000022 , A0000023 , A0000024 , A0000025 ,
A0000026 , A0000027 , A0000028 , A0000029 , A0000030 , A0000031 , A0000032 , A0000033 ,
A0000034 , A0000035 , A0000036 , A0000037 , A0000038 , A0000039 , A0000040 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00001	594121.07	4130684.14	0.00001
594171.07	4130684.14	0.00001	594221.07	4130684.14	0.00001
594271.07	4130684.14	0.00001	594321.07	4130684.14	0.00001
594371.07	4130684.14	0.00001	594421.07	4130684.14	0.00001
594471.07	4130684.14	0.00001	594521.07	4130684.14	0.00001
594571.07	4130684.14	0.00001	594621.07	4130684.14	0.00001
594671.07	4130684.14	0.00000	594721.07	4130684.14	0.00000
594771.07	4130684.14	0.00000	594821.07	4130684.14	0.00000
593821.07	4130734.14	0.00001	593871.07	4130734.14	0.00001
593921.07	4130734.14	0.00001	593971.07	4130734.14	0.00001
594021.07	4130734.14	0.00001	594071.07	4130734.14	0.00001

```
         594121.07    4130734.14        0.00001
594171.07    4130734.14        0.00001
         594221.07    4130734.14        0.00001
594271.07    4130734.14        0.00001
         594321.07    4130734.14        0.00001
594371.07    4130734.14        0.00001
         594421.07    4130734.14        0.00001
594471.07    4130734.14        0.00001
         594521.07    4130734.14        0.00001
594571.07    4130734.14        0.00000
         594621.07    4130734.14        0.00000
594671.07    4130734.14        0.00000
         594721.07    4130734.14        0.00000
594771.07    4130734.14        0.00000
         594821.07    4130734.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ALL ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , A0000058 , A0000059 ,
A0000060 , A0000061 , A0000062 , A0000063 , A0000064 , A0000065 , A0000066 , A0000067 ,
A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00208	594132.05	4130211.12	0.00320
593821.07	4129734.14	0.00009	593871.07	4129734.14	0.00010
593921.07	4129734.14	0.00011	593971.07	4129734.14	0.00012
594021.07	4129734.14	0.00014	594071.07	4129734.14	0.00017
594121.07	4129734.14	0.00021	594171.07	4129734.14	0.00025
594221.07	4129734.14	0.00028	594271.07	4129734.14	0.00031
594321.07	4129734.14	0.00035	594371.07	4129734.14	0.00043
594421.07	4129734.14	0.00055	594471.07	4129734.14	0.00078
594521.07	4129734.14	0.00117	594571.07	4129734.14	0.00165
594621.07	4129734.14	0.00211			

```
594671.07    4129734.14        0.00244
         594721.07    4129734.14        0.00258
594771.07    4129734.14        0.00264
         594821.07    4129734.14        0.00258
593821.07    4129784.14        0.00010
         593871.07    4129784.14        0.00011
593921.07    4129784.14        0.00012
         593971.07    4129784.14        0.00014
594021.07    4129784.14        0.00016
         594071.07    4129784.14        0.00019
594121.07    4129784.14        0.00024
         594171.07    4129784.14        0.00029
594221.07    4129784.14        0.00033
         594271.07    4129784.14        0.00038
594321.07    4129784.14        0.00044
         594371.07    4129784.14        0.00057
594421.07    4129784.14        0.00079
         594471.07    4129784.14        0.00123
594521.07    4129784.14        0.00203
         594571.07    4129784.14        0.00288
594621.07    4129784.14        0.00338
         594671.07    4129784.14        0.00352
594721.07    4129784.14        0.00341
         594771.07    4129784.14        0.00327
594821.07    4129784.14        0.00304
         593821.07    4129834.14        0.00011
593871.07    4129834.14        0.00012
         593921.07    4129834.14        0.00014
593971.07    4129834.14        0.00016
         594021.07    4129834.14        0.00019
594071.07    4129834.14        0.00022
         594121.07    4129834.14        0.00028
594171.07    4129834.14        0.00035
         594221.07    4129834.14        0.00043
594271.07    4129834.14        0.00049
         594321.07    4129834.14        0.00059
594371.07    4129834.14        0.00081
         594421.07    4129834.14        0.00127
594471.07    4129834.14        0.00242
         594521.07    4129834.14        0.00433
594571.07    4129834.14        0.00524
         594621.07    4129834.14        0.00508
594671.07    4129834.14        0.00462
         594721.07    4129834.14        0.00418
594771.07    4129834.14        0.00382
         594821.07    4129834.14        0.00350
593821.07    4129884.14        0.00013
         593871.07    4129884.14        0.00014
593921.07    4129884.14        0.00016
         593971.07    4129884.14        0.00019
594021.07    4129884.14        0.00022
         594071.07    4129884.14        0.00027
```

```
594121.07    4129884.14        0.00034
         594171.07    4129884.14        0.00044
594221.07    4129884.14        0.00055
         594271.07    4129884.14        0.00068
594321.07    4129884.14        0.00085
         594371.07    4129884.14        0.00128
594421.07    4129884.14        0.00270
         594471.07    4129884.14        0.00814
594521.07    4129884.14        0.01042
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ALL ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , A0000058 , A0000059 ,
A0000060 , A0000061 , A0000062 , A0000063 , A0000064 , A0000065 , A0000066 , A0000067 ,
A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00806	594621.07	4129884.14	0.00630
594671.07	4129884.14	0.00538	594721.07	4129884.14	0.00479
594771.07	4129884.14	0.00433	594821.07	4129884.14	0.00389
593821.07	4129934.14	0.00017	593871.07	4129934.14	0.00017
593921.07	4129934.14	0.00019	593971.07	4129934.14	0.00022
594021.07	4129934.14	0.00026	594071.07	4129934.14	0.00032
594121.07	4129934.14	0.00041	594171.07	4129934.14	0.00056
594221.07	4129934.14	0.00074	594271.07	4129934.14	0.00100
594321.07	4129934.14	0.00145	594371.07	4129934.14	0.00296
594421.07	4129934.14	0.00938			

```
594471.07    4129934.14        0.02123
         594521.07    4129934.14        0.01304
594571.07    4129934.14        0.00822
         594621.07    4129934.14        0.00682
594671.07    4129934.14        0.00610
         594721.07    4129934.14        0.00545
594771.07    4129934.14        0.00481
         594821.07    4129934.14        0.00415
593821.07    4129984.14        0.00021
         593871.07    4129984.14        0.00022
593921.07    4129984.14        0.00024
         593971.07    4129984.14        0.00027
594021.07    4129984.14        0.00031
         594071.07    4129984.14        0.00039
594121.07    4129984.14        0.00051
         594171.07    4129984.14        0.00072
594221.07    4129984.14        0.00105
         594271.07    4129984.14        0.00160
594321.07    4129984.14        0.00287
         594371.07    4129984.14        0.00692
594421.07    4129984.14        0.01212
         594471.07    4129984.14        0.01105
594521.07    4129984.14        0.00934
         594571.07    4129984.14        0.00876
594621.07    4129984.14        0.00809
         594671.07    4129984.14        0.00716
594721.07    4129984.14        0.00606
         594771.07    4129984.14        0.00503
594821.07    4129984.14        0.00409
         593821.07    4130034.14        0.00027
593871.07    4130034.14        0.00029
         593921.07    4130034.14        0.00032
593971.07    4130034.14        0.00037
         594021.07    4130034.14        0.00043
594071.07    4130034.14        0.00052
         594121.07    4130034.14        0.00069
594171.07    4130034.14        0.00101
         594221.07    4130034.14        0.00158
594271.07    4130034.14        0.00253
         594321.07    4130034.14        0.00430
594371.07    4130034.14        0.00742
         594421.07    4130034.14        0.01064
594471.07    4130034.14        0.01245
         594521.07    4130034.14        0.01288
594571.07    4130034.14        0.01178
         594621.07    4130034.14        0.00990
594671.07    4130034.14        0.00788
         594721.07    4130034.14        0.00610
594771.07    4130034.14        0.00471
         594821.07    4130034.14        0.00366
593821.07    4130084.14        0.00034
         593871.07    4130084.14        0.00038
```

```
593921.07    4130084.14        0.00045
         593971.07    4130084.14        0.00053
594021.07    4130084.14        0.00063
         594071.07    4130084.14        0.00077
594121.07    4130084.14        0.00100
         594271.07    4130084.14        0.00339
594321.07    4130084.14        0.00614
         594371.07    4130084.14        0.01235
594421.07    4130084.14        0.02037
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ALL ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , A0000058 , A0000059 ,
A0000060 , A0000061 , A0000062 , A0000063 , A0000064 , A0000065 , A0000066 , A0000067 ,
A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.02238	594521.07	4130084.14	0.01884
594571.07	4130084.14	0.01423	594621.07	4130084.14	0.01028
594671.07	4130084.14	0.00735	594721.07	4130084.14	0.00530
594771.07	4130084.14	0.00393	594821.07	4130084.14	0.00299
593821.07	4130134.14	0.00042	593871.07	4130134.14	0.00049
593921.07	4130134.14	0.00060	593971.07	4130134.14	0.00073
594021.07	4130134.14	0.00090	594071.07	4130134.14	0.00114
594121.07	4130134.14	0.00147	594271.07	4130134.14	0.00592
594321.07	4130134.14	0.01785	594371.07	4130134.14	0.04030
594421.07	4130134.14	0.04871			

```
594471.07    4130134.14        0.03401
         594521.07    4130134.14        0.02093
594571.07    4130134.14        0.01291
         594621.07    4130134.14        0.00832
594671.07    4130134.14        0.00564
         594721.07    4130134.14        0.00398
594771.07    4130134.14        0.00296
         594821.07    4130134.14        0.00227
593821.07    4130184.14        0.00050
         593871.07    4130184.14        0.00060
593921.07    4130184.14        0.00073
         593971.07    4130184.14        0.00092
594021.07    4130184.14        0.00119
         594071.07    4130184.14        0.00160
594121.07    4130184.14        0.00224
         594171.07    4130184.14        0.00346
594221.07    4130184.14        0.00655
         594271.07    4130184.14        0.02553
594321.07    4130184.14        0.09224
         594371.07    4130184.14        0.12270
594421.07    4130184.14        0.06203
         594471.07    4130184.14        0.02809
594521.07    4130184.14        0.01427
         594571.07    4130184.14        0.00827
594621.07    4130184.14        0.00537
         594671.07    4130184.14        0.00371
594721.07    4130184.14        0.00271
         594771.07    4130184.14        0.00207
594821.07    4130184.14        0.00164
         593821.07    4130234.14        0.00058
593871.07    4130234.14        0.00070
         593921.07    4130234.14        0.00084
593971.07    4130234.14        0.00115
         594021.07    4130234.14        0.00155
594071.07    4130234.14        0.00226
         594121.07    4130234.14        0.00369
594171.07    4130234.14        0.00743
         594221.07    4130234.14        0.02122
594371.07    4130234.14        0.08131
         594421.07    4130234.14        0.02987
594471.07    4130234.14        0.01245
         594521.07    4130234.14        0.00681
594571.07    4130234.14        0.00444
         594621.07    4130234.14        0.00316
594671.07    4130234.14        0.00236
         594721.07    4130234.14        0.00183
594771.07    4130234.14        0.00147
         594821.07    4130234.14        0.00121
593821.07    4130284.14        0.00069
         593871.07    4130284.14        0.00081
593921.07    4130284.14        0.00102
         593971.07    4130284.14        0.00158
```

```
594021.07    4130284.14        0.00234
         594071.07    4130284.14        0.00375
594121.07    4130284.14        0.00666
         594171.07    4130284.14        0.01322
594221.07    4130284.14        0.02778
         594271.07    4130284.14        0.04080
594321.07    4130284.14        0.03394
         594371.07    4130284.14        0.01619
594421.07    4130284.14        0.00871
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ALL ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , A0000058 , A0000059 ,
A0000060 , A0000061 , A0000062 , A0000063 , A0000064 , A0000065 , A0000066 , A0000067 ,
A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00552	594521.07	4130284.14	0.00372
594571.07	4130284.14	0.00280	594621.07	4130284.14	0.00213
594671.07	4130284.14	0.00168	594721.07	4130284.14	0.00136
594771.07	4130284.14	0.00113	594821.07	4130284.14	0.00096
593821.07	4130334.14	0.00092	593871.07	4130334.14	0.00111
593921.07	4130334.14	0.00145	593971.07	4130334.14	0.00236
594021.07	4130334.14	0.00345	594071.07	4130334.14	0.00528
594121.07	4130334.14	0.00825	594171.07	4130334.14	0.01250
594221.07	4130334.14	0.01597	594271.07	4130334.14	0.01595
594321.07	4130334.14	0.01188			

```
594371.07    4130334.14        0.00725
         594421.07    4130334.14        0.00480
594471.07    4130334.14        0.00352
         594521.07    4130334.14        0.00272
594571.07    4130334.14        0.00212
         594621.07    4130334.14        0.00167
594671.07    4130334.14        0.00135
         594721.07    4130334.14        0.00111
594771.07    4130334.14        0.00093
         594821.07    4130334.14        0.00080
593821.07    4130384.14        0.00126
         593871.07    4130384.14        0.00151
593921.07    4130384.14        0.00186
         593971.07    4130384.14        0.00293
594021.07    4130384.14        0.00399
         594071.07    4130384.14        0.00544
594121.07    4130384.14        0.00714
         594171.07    4130384.14        0.00839
594221.07    4130384.14        0.00859
         594271.07    4130384.14        0.00780
594321.07    4130384.14        0.00617
         594371.07    4130384.14        0.00428
594421.07    4130384.14        0.00312
         594471.07    4130384.14        0.00244
594521.07    4130384.14        0.00203
         594571.07    4130384.14        0.00170
594621.07    4130384.14        0.00141
         594671.07    4130384.14        0.00117
594721.07    4130384.14        0.00097
         594771.07    4130384.14        0.00082
594821.07    4130384.14        0.00070
         593821.07    4130434.14        0.00141
593871.07    4130434.14        0.00172
         593921.07    4130434.14        0.00208
593971.07    4130434.14        0.00304
         594021.07    4130434.14        0.00383
594071.07    4130434.14        0.00468
         594121.07    4130434.14        0.00529
594171.07    4130434.14        0.00538
         594221.07    4130434.14        0.00513
594271.07    4130434.14        0.00469
         594321.07    4130434.14        0.00384
594371.07    4130434.14        0.00288
         594421.07    4130434.14        0.00225
594471.07    4130434.14        0.00181
         594521.07    4130434.14        0.00152
594571.07    4130434.14        0.00132
         594621.07    4130434.14        0.00117
594671.07    4130434.14        0.00102
         594721.07    4130434.14        0.00088
594771.07    4130434.14        0.00075
         594821.07    4130434.14        0.00065
```

```
593821.07    4130484.14        0.00163
         593871.07    4130484.14        0.00187
593921.07    4130484.14        0.00214
         593971.07    4130484.14        0.00285
594021.07    4130484.14        0.00333
         594071.07    4130484.14        0.00369
594121.07    4130484.14        0.00375
         594171.07    4130484.14        0.00359
594221.07    4130484.14        0.00345
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ALL ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , A0000058 , A0000059 ,
A0000060 , A0000061 , A0000062 , A0000063 , A0000064 , A0000065 , A0000066 , A0000067 ,
A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00320	594321.07	4130484.14	0.00264
594371.07	4130484.14	0.00206	594421.07	4130484.14	0.00169
594471.07	4130484.14	0.00142	594521.07	4130484.14	0.00119
594571.07	4130484.14	0.00103	594621.07	4130484.14	0.00093
594671.07	4130484.14	0.00084	594721.07	4130484.14	0.00076
594771.07	4130484.14	0.00068	594821.07	4130484.14	0.00061
593821.07	4130534.14	0.00164	593871.07	4130534.14	0.00181
593921.07	4130534.14	0.00204	593971.07	4130534.14	0.00247
594021.07	4130534.14	0.00275	594071.07	4130534.14	0.00280
594121.07	4130534.14	0.00269			

```
594171.07    4130534.14        0.00256
         594221.07    4130534.14        0.00250
594271.07    4130534.14        0.00232
         594321.07    4130534.14        0.00192
594371.07    4130534.14        0.00153
         594421.07    4130534.14        0.00130
594471.07    4130534.14        0.00114
         594521.07    4130534.14        0.00097
594571.07    4130534.14        0.00083
         594621.07    4130534.14        0.00073
594671.07    4130534.14        0.00062
         594721.07    4130534.14        0.00059
594771.07    4130534.14        0.00054
         594821.07    4130534.14        0.00049
593821.07    4130584.14        0.00157
         593871.07    4130584.14        0.00177
593921.07    4130584.14        0.00196
         593971.07    4130584.14        0.00209
594021.07    4130584.14        0.00214
         594071.07    4130584.14        0.00204
594121.07    4130584.14        0.00190
         594171.07    4130584.14        0.00183
594221.07    4130584.14        0.00180
         594271.07    4130584.14        0.00164
594321.07    4130584.14        0.00132
         594371.07    4130584.14        0.00108
594421.07    4130584.14        0.00092
         594471.07    4130584.14        0.00082
594521.07    4130584.14        0.00072
         594571.07    4130584.14        0.00063
594621.07    4130584.14        0.00056
         594671.07    4130584.14        0.00051
594721.07    4130584.14        0.00048
         594771.07    4130584.14        0.00045
594821.07    4130584.14        0.00042
         593821.07    4130634.14        0.00149
593871.07    4130634.14        0.00160
         593921.07    4130634.14        0.00171
593971.07    4130634.14        0.00176
         594021.07    4130634.14        0.00170
594071.07    4130634.14        0.00158
         594121.07    4130634.14        0.00147
594171.07    4130634.14        0.00143
         594221.07    4130634.14        0.00139
594271.07    4130634.14        0.00126
         594321.07    4130634.14        0.00104
594371.07    4130634.14        0.00087
         594421.07    4130634.14        0.00076
594471.07    4130634.14        0.00070
         594521.07    4130634.14        0.00064
594571.07    4130634.14        0.00061
         594621.07    4130634.14        0.00055
```

```
594671.07    4130634.14        0.00050
         594721.07    4130634.14        0.00046
594771.07    4130634.14        0.00043
         594821.07    4130634.14        0.00040
593821.07    4130684.14        0.00137
         593871.07    4130684.14        0.00143
593921.07    4130684.14        0.00145
         593971.07    4130684.14        0.00145
594021.07    4130684.14        0.00136
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ALL ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 , A0000057 , A0000058 , A0000059 ,
A0000060 , A0000061 , A0000062 , A0000063 , A0000064 , A0000065 , A0000066 , A0000067 ,
A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00128	594121.07	4130684.14	0.00126
594171.07	4130684.14	0.00128	594221.07	4130684.14	0.00126
594271.07	4130684.14	0.00113	594321.07	4130684.14	0.00095
594371.07	4130684.14	0.00080	594421.07	4130684.14	0.00071
594471.07	4130684.14	0.00066	594521.07	4130684.14	0.00061
594571.07	4130684.14	0.00055	594621.07	4130684.14	0.00049
594671.07	4130684.14	0.00044	594721.07	4130684.14	0.00041
594771.07	4130684.14	0.00038	594821.07	4130684.14	0.00035
593821.07	4130734.14	0.00123	593871.07	4130734.14	0.00124
593921.07	4130734.14	0.00122			

```
593971.07    4130734.14        0.00118
         594021.07    4130734.14        0.00113
594071.07    4130734.14        0.00107
         594121.07    4130734.14        0.00106
594171.07    4130734.14        0.00107
         594221.07    4130734.14        0.00105
594271.07    4130734.14        0.00094
         594321.07    4130734.14        0.00079
594371.07    4130734.14        0.00068
         594421.07    4130734.14        0.00060
594471.07    4130734.14        0.00056
         594521.07    4130734.14        0.00053
594571.07    4130734.14        0.00049
         594621.07    4130734.14        0.00044
594671.07    4130734.14        0.00040
         594721.07    4130734.14        0.00036
594771.07    4130734.14        0.00034
         594821.07    4130734.14        0.00032
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_B_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00165	594132.05	4130211.12	0.00262
593821.07	4129734.14	0.00007	593871.07	4129734.14	0.00007
593921.07	4129734.14	0.00009	593971.07	4129734.14	0.00010
594021.07	4129734.14	0.00011	594071.07	4129734.14	0.00013
594121.07	4129734.14	0.00017	594171.07	4129734.14	0.00020
594221.07	4129734.14	0.00022	594271.07	4129734.14	0.00023
594321.07	4129734.14	0.00025	594371.07	4129734.14	0.00029
594421.07	4129734.14	0.00038	594471.07	4129734.14	0.00052
594521.07	4129734.14	0.00070	594571.07	4129734.14	0.00088
594621.07	4129734.14	0.00108	594671.07	4129734.14	0.00131
594721.07	4129734.14	0.00147	594771.07	4129734.14	0.00161
594821.07	4129734.14	0.00168	593821.07	4129784.14	0.00007
593871.07	4129784.14	0.00008	593921.07	4129784.14	0.00009
593971.07	4129784.14	0.00011	594021.07	4129784.14	0.00012

```
         594071.07    4129784.14        0.00014
594121.07    4129784.14        0.00018
         594171.07    4129784.14        0.00023
594221.07    4129784.14        0.00026
         594271.07    4129784.14        0.00028
594321.07    4129784.14        0.00031
         594371.07    4129784.14        0.00038
594421.07    4129784.14        0.00052
         594471.07    4129784.14        0.00073
594521.07    4129784.14        0.00099
         594571.07    4129784.14        0.00127
594621.07    4129784.14        0.00157
         594671.07    4129784.14        0.00182
594721.07    4129784.14        0.00197
         594771.07    4129784.14        0.00209
594821.07    4129784.14        0.00210
         593821.07    4129834.14        0.00008
593871.07    4129834.14        0.00008
         593921.07    4129834.14        0.00010
593971.07    4129834.14        0.00011
         594021.07    4129834.14        0.00014
594071.07    4129834.14        0.00016
         594121.07    4129834.14        0.00020
594171.07    4129834.14        0.00027
         594221.07    4129834.14        0.00032
594271.07    4129834.14        0.00036
         594321.07    4129834.14        0.00040
594371.07    4129834.14        0.00051
         594421.07    4129834.14        0.00073
594471.07    4129834.14        0.00106
         594521.07    4129834.14        0.00145
594571.07    4129834.14        0.00187
         594621.07    4129834.14        0.00225
594671.07    4129834.14        0.00251
         594721.07    4129834.14        0.00264
594771.07    4129834.14        0.00268
         594821.07    4129834.14        0.00262
593821.07    4129884.14        0.00010
         593871.07    4129884.14        0.00010
593921.07    4129884.14        0.00011
         593971.07    4129884.14        0.00013
594021.07    4129884.14        0.00016
         594071.07    4129884.14        0.00019
594121.07    4129884.14        0.00024
         594171.07    4129884.14        0.00032
594221.07    4129884.14        0.00039
         594271.07    4129884.14        0.00046
594321.07    4129884.14        0.00053
         594371.07    4129884.14        0.00072
594421.07    4129884.14        0.00110
         594471.07    4129884.14        0.00164
594521.07    4129884.14        0.00226
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_B_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00284	594621.07	4129884.14	0.00325
594671.07	4129884.14	0.00345	594721.07	4129884.14	0.00347
594771.07	4129884.14	0.00335	594821.07	4129884.14	0.00313
593821.07	4129934.14	0.00012	593871.07	4129934.14	0.00012
593921.07	4129934.14	0.00013	593971.07	4129934.14	0.00015
594021.07	4129934.14	0.00018	594071.07	4129934.14	0.00022
594121.07	4129934.14	0.00028	594171.07	4129934.14	0.00038
594221.07	4129934.14	0.00050	594271.07	4129934.14	0.00061
594321.07	4129934.14	0.00075	594371.07	4129934.14	0.00111
594421.07	4129934.14	0.00180	594471.07	4129934.14	0.00274
594521.07	4129934.14	0.00369	594571.07	4129934.14	0.00439
594621.07	4129934.14	0.00470	594671.07	4129934.14	0.00468
594721.07	4129934.14	0.00440	594771.07	4129934.14	0.00399
594821.07	4129934.14	0.00351	593821.07	4129984.14	0.00016

```
         593871.07    4129984.14        0.00016
593921.07    4129984.14        0.00017
         593971.07    4129984.14        0.00019
594021.07    4129984.14        0.00021
         594071.07    4129984.14        0.00026
594121.07    4129984.14        0.00034
         594171.07    4129984.14        0.00047
594221.07    4129984.14        0.00065
         594271.07    4129984.14        0.00084
594321.07    4129984.14        0.00115
         594371.07    4129984.14        0.00190
594421.07    4129984.14        0.00329
         594471.07    4129984.14        0.00495
594521.07    4129984.14        0.00622
         594571.07    4129984.14        0.00674
594621.07    4129984.14        0.00659
         594671.07    4129984.14        0.00600
594721.07    4129984.14        0.00517
         594771.07    4129984.14        0.00434
594821.07    4129984.14        0.00355
         593821.07    4130034.14        0.00020
593871.07    4130034.14        0.00022
         593921.07    4130034.14        0.00024
593971.07    4130034.14        0.00026
         594021.07    4130034.14        0.00028
594071.07    4130034.14        0.00033
         594121.07    4130034.14        0.00042
594171.07    4130034.14        0.00060
         594221.07    4130034.14        0.00089
594271.07    4130034.14        0.00129
         594321.07    4130034.14        0.00203
594371.07    4130034.14        0.00390
         594421.07    4130034.14        0.00694
594471.07    4130034.14        0.00958
         594521.07    4130034.14        0.01047
594571.07    4130034.14        0.00985
         594621.07    4130034.14        0.00846
594671.07    4130034.14        0.00684
         594721.07    4130034.14        0.00534
594771.07    4130034.14        0.00414
         594821.07    4130034.14        0.00322
593821.07    4130084.14        0.00026
         593871.07    4130084.14        0.00029
593921.07    4130084.14        0.00033
         593971.07    4130084.14        0.00037
594021.07    4130084.14        0.00042
         594071.07    4130084.14        0.00049
594121.07    4130084.14        0.00060
         594271.07    4130084.14        0.00215
594321.07    4130084.14        0.00444
         594371.07    4130084.14        0.01013
594421.07    4130084.14        0.01642
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_B_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.01835	594521.07	4130084.14	0.01597
594571.07	4130084.14	0.01236	594621.07	4130084.14	0.00904
594671.07	4130084.14	0.00650	594721.07	4130084.14	0.00471
594771.07	4130084.14	0.00349	594821.07	4130084.14	0.00265
593821.07	4130134.14	0.00031	593871.07	4130134.14	0.00036
593921.07	4130134.14	0.00043	593971.07	4130134.14	0.00052
594021.07	4130134.14	0.00063	594071.07	4130134.14	0.00078
594121.07	4130134.14	0.00098	594271.07	4130134.14	0.00478
594321.07	4130134.14	0.01615	594371.07	4130134.14	0.03372
594421.07	4130134.14	0.03821	594471.07	4130134.14	0.02911
594521.07	4130134.14	0.01862	594571.07	4130134.14	0.01163
594621.07	4130134.14	0.00750	594671.07	4130134.14	0.00506
594721.07	4130134.14	0.00356	594771.07	4130134.14	0.00263
594821.07	4130134.14	0.00201	593821.07	4130184.14	0.00037

```
         593871.07    4130184.14        0.00044
593921.07    4130184.14        0.00054
         593971.07    4130184.14        0.00068
594021.07    4130184.14        0.00088
         594071.07    4130184.14        0.00120
594121.07    4130184.14        0.00173
         594171.07    4130184.14        0.00277
594221.07    4130184.14        0.00559
         594271.07    4130184.14        0.02384
594321.07    4130184.14        0.08615
         594371.07    4130184.14        0.10603
594421.07    4130184.14        0.05706
         594471.07    4130184.14        0.02619
594521.07    4130184.14        0.01323
         594571.07    4130184.14        0.00760
594621.07    4130184.14        0.00488
         594671.07    4130184.14        0.00334
594721.07    4130184.14        0.00242
         594771.07    4130184.14        0.00183
594821.07    4130184.14        0.00144
         593821.07    4130234.14        0.00043
593871.07    4130234.14        0.00052
         593921.07    4130234.14        0.00063
593971.07    4130234.14        0.00088
         594021.07    4130234.14        0.00122
594071.07    4130234.14        0.00183
         594121.07    4130234.14        0.00311
594171.07    4130234.14        0.00659
         594221.07    4130234.14        0.01979
594371.07    4130234.14        0.07888
         594421.07    4130234.14        0.02855
594471.07    4130234.14        0.01161
         594521.07    4130234.14        0.00625
594571.07    4130234.14        0.00401
         594621.07    4130234.14        0.00283
594671.07    4130234.14        0.00210
         594721.07    4130234.14        0.00161
594771.07    4130234.14        0.00129
         594821.07    4130234.14        0.00105
593821.07    4130284.14        0.00053
         593871.07    4130284.14        0.00061
593921.07    4130284.14        0.00078
         593971.07    4130284.14        0.00128
594021.07    4130284.14        0.00195
         594071.07    4130284.14        0.00324
594121.07    4130284.14        0.00596
         594171.07    4130284.14        0.01225
594221.07    4130284.14        0.02637
         594271.07    4130284.14        0.03903
594321.07    4130284.14        0.03232
         594371.07    4130284.14        0.01508
594421.07    4130284.14        0.00801
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_B_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00501	594521.07	4130284.14	0.00332
594571.07	4130284.14	0.00247	594621.07	4130284.14	0.00187
594671.07	4130284.14	0.00147	594721.07	4130284.14	0.00119
594771.07	4130284.14	0.00098	594821.07	4130284.14	0.00083
593821.07	4130334.14	0.00073	593871.07	4130334.14	0.00088
593921.07	4130334.14	0.00119	593971.07	4130334.14	0.00201
594021.07	4130334.14	0.00302	594071.07	4130334.14	0.00474
594121.07	4130334.14	0.00758	594171.07	4130334.14	0.01166
594221.07	4130334.14	0.01502	594271.07	4130334.14	0.01503
594321.07	4130334.14	0.01101	594371.07	4130334.14	0.00660
594421.07	4130334.14	0.00433	594471.07	4130334.14	0.00317
594521.07	4130334.14	0.00242	594571.07	4130334.14	0.00186
594621.07	4130334.14	0.00145	594671.07	4130334.14	0.00116
594721.07	4130334.14	0.00095	594771.07	4130334.14	0.00080

```
         594821.07    4130334.14        0.00069
593821.07    4130384.14        0.00106
         593871.07    4130384.14        0.00128
593921.07    4130384.14        0.00160
         593971.07    4130384.14        0.00258
594021.07    4130384.14        0.00357
         594071.07    4130384.14        0.00494
594121.07    4130384.14        0.00657
         594171.07    4130384.14        0.00777
594221.07    4130384.14        0.00799
         594271.07    4130384.14        0.00723
594321.07    4130384.14        0.00560
         594371.07    4130384.14        0.00384
594421.07    4130384.14        0.00278
         594471.07    4130384.14        0.00216
594521.07    4130384.14        0.00180
         594571.07    4130384.14        0.00150
594621.07    4130384.14        0.00123
         594671.07    4130384.14        0.00101
594721.07    4130384.14        0.00083
         594771.07    4130384.14        0.00070
594821.07    4130384.14        0.00060
         593821.07    4130434.14        0.00120
593871.07    4130434.14        0.00149
         593921.07    4130434.14        0.00182
593971.07    4130434.14        0.00271
         594021.07    4130434.14        0.00345
594071.07    4130434.14        0.00425
         594121.07    4130434.14        0.00484
594171.07    4130434.14        0.00493
         594221.07    4130434.14        0.00471
594271.07    4130434.14        0.00427
         594321.07    4130434.14        0.00343
594371.07    4130434.14        0.00255
         594421.07    4130434.14        0.00198
594471.07    4130434.14        0.00158
         594521.07    4130434.14        0.00132
594571.07    4130434.14        0.00115
         594621.07    4130434.14        0.00101
594671.07    4130434.14        0.00088
         594721.07    4130434.14        0.00076
594771.07    4130434.14        0.00065
         594821.07    4130434.14        0.00056
593821.07    4130484.14        0.00141
         593871.07    4130484.14        0.00163
593921.07    4130484.14        0.00188
         593971.07    4130484.14        0.00255
594021.07    4130484.14        0.00300
         594071.07    4130484.14        0.00334
594121.07    4130484.14        0.00341
         594171.07    4130484.14        0.00327
594221.07    4130484.14        0.00314
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_B_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00288	594321.07	4130484.14	0.00233
594371.07	4130484.14	0.00180	594421.07	4130484.14	0.00148
594471.07	4130484.14	0.00123	594521.07	4130484.14	0.00103
594571.07	4130484.14	0.00089	594621.07	4130484.14	0.00080
594671.07	4130484.14	0.00073	594721.07	4130484.14	0.00066
594771.07	4130484.14	0.00059	594821.07	4130484.14	0.00052
593821.07	4130534.14	0.00143	593871.07	4130534.14	0.00159
593921.07	4130534.14	0.00180	593971.07	4130534.14	0.00220
594021.07	4130534.14	0.00247	594071.07	4130534.14	0.00253
594121.07	4130534.14	0.00243	594171.07	4130534.14	0.00231
594221.07	4130534.14	0.00226	594271.07	4130534.14	0.00206
594321.07	4130534.14	0.00168	594371.07	4130534.14	0.00134
594421.07	4130534.14	0.00114	594471.07	4130534.14	0.00099
594521.07	4130534.14	0.00084	594571.07	4130534.14	0.00072

```
          594621.07    4130534.14         0.00063
594671.07    4130534.14         0.00054
          594721.07    4130534.14         0.00051
594771.07    4130534.14         0.00046
          594821.07    4130534.14         0.00043
593821.07    4130584.14         0.00138
          593871.07    4130584.14         0.00156
593921.07    4130584.14         0.00174
          593971.07    4130584.14         0.00187
594021.07    4130584.14         0.00192
          594071.07    4130584.14         0.00182
594121.07    4130584.14         0.00170
          594171.07    4130584.14         0.00164
594221.07    4130584.14         0.00161
          594271.07    4130584.14         0.00145
594321.07    4130584.14         0.00115
          594371.07    4130584.14         0.00093
594421.07    4130584.14         0.00080
          594471.07    4130584.14         0.00071
594521.07    4130584.14         0.00062
          594571.07    4130584.14         0.00054
594621.07    4130584.14         0.00048
          594671.07    4130584.14         0.00044
594721.07    4130584.14         0.00041
          594771.07    4130584.14         0.00038
594821.07    4130584.14         0.00037
          593821.07    4130634.14         0.00131
593871.07    4130634.14         0.00141
          593921.07    4130634.14         0.00152
593971.07    4130634.14         0.00156
          594021.07    4130634.14         0.00151
594071.07    4130634.14         0.00141
          594121.07    4130634.14         0.00131
594171.07    4130634.14         0.00127
          594221.07    4130634.14         0.00124
594271.07    4130634.14         0.00110
          594321.07    4130634.14         0.00090
594371.07    4130634.14         0.00075
          594421.07    4130634.14         0.00066
594471.07    4130634.14         0.00061
          594521.07    4130634.14         0.00055
594571.07    4130634.14         0.00053
          594621.07    4130634.14         0.00047
594671.07    4130634.14         0.00043
          594721.07    4130634.14         0.00039
594771.07    4130634.14         0.00037
          594821.07    4130634.14         0.00035
593821.07    4130684.14         0.00120
          593871.07    4130684.14         0.00126
593921.07    4130684.14         0.00128
          593971.07    4130684.14         0.00128
594021.07    4130684.14         0.00121
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_B_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00113	594121.07	4130684.14	0.00111
594171.07	4130684.14	0.00113	594221.07	4130684.14	0.00111
594271.07	4130684.14	0.00098	594321.07	4130684.14	0.00081
594371.07	4130684.14	0.00069	594421.07	4130684.14	0.00061
594471.07	4130684.14	0.00057	594521.07	4130684.14	0.00053
594571.07	4130684.14	0.00048	594621.07	4130684.14	0.00042
594671.07	4130684.14	0.00038	594721.07	4130684.14	0.00034
594771.07	4130684.14	0.00032	594821.07	4130684.14	0.00030
593821.07	4130734.14	0.00108	593871.07	4130734.14	0.00109
593921.07	4130734.14	0.00108	593971.07	4130734.14	0.00104
594021.07	4130734.14	0.00099	594071.07	4130734.14	0.00094
594121.07	4130734.14	0.00093	594171.07	4130734.14	0.00095
594221.07	4130734.14	0.00092	594271.07	4130734.14	0.00081
594321.07	4130734.14	0.00068	594371.07	4130734.14	0.00058

```
         594421.07    4130734.14        0.00052
594471.07    4130734.14        0.00048
         594521.07    4130734.14        0.00046
594571.07    4130734.14        0.00043
         594621.07    4130734.14        0.00038
594671.07    4130734.14        0.00034
         594721.07    4130734.14        0.00031
594771.07    4130734.14        0.00029
         594821.07    4130734.14        0.00027
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_BT_OF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00000	594132.05	4130211.12	0.00000
593821.07	4129734.14	0.00000	593871.07	4129734.14	0.00000
593921.07	4129734.14	0.00000	593971.07	4129734.14	0.00000
594021.07	4129734.14	0.00000	594071.07	4129734.14	0.00000
594121.07	4129734.14	0.00000	594171.07	4129734.14	0.00000
594221.07	4129734.14	0.00000	594271.07	4129734.14	0.00000
594321.07	4129734.14	0.00000	594371.07	4129734.14	0.00000
594421.07	4129734.14	0.00000	594471.07	4129734.14	0.00000
594521.07	4129734.14	0.00000	594571.07	4129734.14	0.00000
594621.07	4129734.14	0.00000	594671.07	4129734.14	0.00000
594721.07	4129734.14	0.00000	594771.07	4129734.14	0.00000
594821.07	4129734.14	0.00000	593821.07	4129784.14	0.00000
593871.07	4129784.14	0.00000			

```
593921.07    4129784.14        0.00000
         593971.07    4129784.14        0.00000
594021.07    4129784.14        0.00000
         594071.07    4129784.14        0.00000
594121.07    4129784.14        0.00000
         594171.07    4129784.14        0.00000
594221.07    4129784.14        0.00000
         594271.07    4129784.14        0.00000
594321.07    4129784.14        0.00000
         594371.07    4129784.14        0.00000
594421.07    4129784.14        0.00000
         594471.07    4129784.14        0.00000
594521.07    4129784.14        0.00000
         594571.07    4129784.14        0.00000
594621.07    4129784.14        0.00000
         594671.07    4129784.14        0.00000
594721.07    4129784.14        0.00000
         594771.07    4129784.14        0.00000
594821.07    4129784.14        0.00000
         593821.07    4129834.14        0.00000
593871.07    4129834.14        0.00000
         593921.07    4129834.14        0.00000
593971.07    4129834.14        0.00000
         594021.07    4129834.14        0.00000
594071.07    4129834.14        0.00000
         594121.07    4129834.14        0.00000
594171.07    4129834.14        0.00000
         594221.07    4129834.14        0.00000
594271.07    4129834.14        0.00000
         594321.07    4129834.14        0.00000
594371.07    4129834.14        0.00000
         594421.07    4129834.14        0.00000
594471.07    4129834.14        0.00000
         594521.07    4129834.14        0.00000
594571.07    4129834.14        0.00000
         594621.07    4129834.14        0.00000
594671.07    4129834.14        0.00000
         594721.07    4129834.14        0.00000
594771.07    4129834.14        0.00000
         594821.07    4129834.14        0.00000
593821.07    4129884.14        0.00000
         593871.07    4129884.14        0.00000
593921.07    4129884.14        0.00000
         593971.07    4129884.14        0.00000
594021.07    4129884.14        0.00000
         594071.07    4129884.14        0.00000
594121.07    4129884.14        0.00000
         594171.07    4129884.14        0.00000
594221.07    4129884.14        0.00000
         594271.07    4129884.14        0.00000
594321.07    4129884.14        0.00000
         594371.07    4129884.14        0.00000
```

```
594421.07    4129884.14        0.00000
         594471.07    4129884.14        0.00000
594521.07    4129884.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_BT_OF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00000	594621.07	4129884.14	0.00000
594671.07	4129884.14	0.00000	594721.07	4129884.14	0.00000
594771.07	4129884.14	0.00000	594821.07	4129884.14	0.00000
593821.07	4129934.14	0.00000	593871.07	4129934.14	0.00000
593921.07	4129934.14	0.00000	593971.07	4129934.14	0.00000
594021.07	4129934.14	0.00000	594071.07	4129934.14	0.00000
594121.07	4129934.14	0.00000	594171.07	4129934.14	0.00000
594221.07	4129934.14	0.00000	594271.07	4129934.14	0.00000
594321.07	4129934.14	0.00000	594371.07	4129934.14	0.00000
594421.07	4129934.14	0.00000	594471.07	4129934.14	0.00000
594521.07	4129934.14	0.00000	594571.07	4129934.14	0.00000
594621.07	4129934.14	0.00000	594671.07	4129934.14	0.00000
594721.07	4129934.14	0.00000			

```
594771.07    4129934.14        0.00000
         594821.07    4129934.14        0.00000
593821.07    4129984.14        0.00000
         593871.07    4129984.14        0.00000
593921.07    4129984.14        0.00000
         593971.07    4129984.14        0.00000
594021.07    4129984.14        0.00000
         594071.07    4129984.14        0.00000
594121.07    4129984.14        0.00000
         594171.07    4129984.14        0.00000
594221.07    4129984.14        0.00000
         594271.07    4129984.14        0.00000
594321.07    4129984.14        0.00000
         594371.07    4129984.14        0.00000
594421.07    4129984.14        0.00000
         594471.07    4129984.14        0.00000
594521.07    4129984.14        0.00000
         594571.07    4129984.14        0.00000
594621.07    4129984.14        0.00000
         594671.07    4129984.14        0.00000
594721.07    4129984.14        0.00000
         594771.07    4129984.14        0.00000
594821.07    4129984.14        0.00000
         593821.07    4130034.14        0.00000
593871.07    4130034.14        0.00000
         593921.07    4130034.14        0.00000
593971.07    4130034.14        0.00000
         594021.07    4130034.14        0.00000
594071.07    4130034.14        0.00000
         594121.07    4130034.14        0.00000
594171.07    4130034.14        0.00000
         594221.07    4130034.14        0.00000
594271.07    4130034.14        0.00000
         594321.07    4130034.14        0.00000
594371.07    4130034.14        0.00000
         594421.07    4130034.14        0.00000
594471.07    4130034.14        0.00000
         594521.07    4130034.14        0.00000
594571.07    4130034.14        0.00000
         594621.07    4130034.14        0.00000
594671.07    4130034.14        0.00000
         594721.07    4130034.14        0.00000
594771.07    4130034.14        0.00000
         594821.07    4130034.14        0.00000
593821.07    4130084.14        0.00000
         593871.07    4130084.14        0.00000
593921.07    4130084.14        0.00000
         593971.07    4130084.14        0.00000
594021.07    4130084.14        0.00000
         594071.07    4130084.14        0.00000
594121.07    4130084.14        0.00000
         594271.07    4130084.14        0.00000
```

```
594321.07    4130084.14        0.00000
         594371.07    4130084.14        0.00000
594421.07    4130084.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_BT_OF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00000	594521.07	4130084.14	0.00000
594571.07	4130084.14	0.00000	594621.07	4130084.14	0.00000
594671.07	4130084.14	0.00000	594721.07	4130084.14	0.00000
594771.07	4130084.14	0.00000	594821.07	4130084.14	0.00000
593821.07	4130134.14	0.00000	593871.07	4130134.14	0.00000
593921.07	4130134.14	0.00000	593971.07	4130134.14	0.00000
594021.07	4130134.14	0.00000	594071.07	4130134.14	0.00000
594121.07	4130134.14	0.00000	594271.07	4130134.14	0.00000
594321.07	4130134.14	0.00000	594371.07	4130134.14	0.00000
594421.07	4130134.14	0.00000	594471.07	4130134.14	0.00000
594521.07	4130134.14	0.00000	594571.07	4130134.14	0.00000
594621.07	4130134.14	0.00000	594671.07	4130134.14	0.00000
594721.07	4130134.14	0.00000			

```
594771.07    4130134.14        0.00000
         594821.07    4130134.14        0.00000
593821.07    4130184.14        0.00000
         593871.07    4130184.14        0.00000
593921.07    4130184.14        0.00000
         593971.07    4130184.14        0.00000
594021.07    4130184.14        0.00000
         594071.07    4130184.14        0.00000
594121.07    4130184.14        0.00000
         594171.07    4130184.14        0.00000
594221.07    4130184.14        0.00000
         594271.07    4130184.14        0.00002
594321.07    4130184.14        0.00001
         594371.07    4130184.14        0.00001
594421.07    4130184.14        0.00000
         594471.07    4130184.14        0.00000
594521.07    4130184.14        0.00000
         594571.07    4130184.14        0.00000
594621.07    4130184.14        0.00000
         594671.07    4130184.14        0.00000
594721.07    4130184.14        0.00000
         594771.07    4130184.14        0.00000
594821.07    4130184.14        0.00000
         593821.07    4130234.14        0.00000
593871.07    4130234.14        0.00000
         593921.07    4130234.14        0.00000
593971.07    4130234.14        0.00000
         594021.07    4130234.14        0.00000
594071.07    4130234.14        0.00000
         594121.07    4130234.14        0.00000
594171.07    4130234.14        0.00000
         594221.07    4130234.14        0.00001
594371.07    4130234.14        0.00001
         594421.07    4130234.14        0.00001
594471.07    4130234.14        0.00000
         594521.07    4130234.14        0.00000
594571.07    4130234.14        0.00000
         594621.07    4130234.14        0.00000
594671.07    4130234.14        0.00000
         594721.07    4130234.14        0.00000
594771.07    4130234.14        0.00000
         594821.07    4130234.14        0.00000
593821.07    4130284.14        0.00000
         593871.07    4130284.14        0.00000
593921.07    4130284.14        0.00000
         593971.07    4130284.14        0.00000
594021.07    4130284.14        0.00000
         594071.07    4130284.14        0.00000
594121.07    4130284.14        0.00000
         594171.07    4130284.14        0.00000
594221.07    4130284.14        0.00001
         594271.07    4130284.14        0.00002
```

```
594321.07    4130284.14        0.00001
         594371.07    4130284.14        0.00001
594421.07    4130284.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_BT_OF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00000	594521.07	4130284.14	0.00000
594571.07	4130284.14	0.00000	594621.07	4130284.14	0.00000
594671.07	4130284.14	0.00000	594721.07	4130284.14	0.00000
594771.07	4130284.14	0.00000	594821.07	4130284.14	0.00000
593821.07	4130334.14	0.00000	593871.07	4130334.14	0.00000
593921.07	4130334.14	0.00000	593971.07	4130334.14	0.00000
594021.07	4130334.14	0.00000	594071.07	4130334.14	0.00000
594121.07	4130334.14	0.00000	594171.07	4130334.14	0.00000
594221.07	4130334.14	0.00001	594271.07	4130334.14	0.00002
594321.07	4130334.14	0.00001	594371.07	4130334.14	0.00001
594421.07	4130334.14	0.00001	594471.07	4130334.14	0.00001
594521.07	4130334.14	0.00001	594571.07	4130334.14	0.00001
594621.07	4130334.14	0.00001			

```
594671.07    4130334.14        0.00001
         594721.07    4130334.14        0.00001
594771.07    4130334.14        0.00000
         594821.07    4130334.14        0.00000
593821.07    4130384.14        0.00000
         593871.07    4130384.14        0.00000
593921.07    4130384.14        0.00000
         593971.07    4130384.14        0.00000
594021.07    4130384.14        0.00000
         594071.07    4130384.14        0.00000
594121.07    4130384.14        0.00000
         594171.07    4130384.14        0.00000
594221.07    4130384.14        0.00001
         594271.07    4130384.14        0.00001
594321.07    4130384.14        0.00002
         594371.07    4130384.14        0.00001
594421.07    4130384.14        0.00001
         594471.07    4130384.14        0.00001
594521.07    4130384.14        0.00001
         594571.07    4130384.14        0.00001
594621.07    4130384.14        0.00001
         594671.07    4130384.14        0.00001
594721.07    4130384.14        0.00001
         594771.07    4130384.14        0.00000
594821.07    4130384.14        0.00000
         593821.07    4130434.14        0.00000
593871.07    4130434.14        0.00000
         593921.07    4130434.14        0.00000
593971.07    4130434.14        0.00000
         594021.07    4130434.14        0.00000
594071.07    4130434.14        0.00000
         594121.07    4130434.14        0.00000
594171.07    4130434.14        0.00000
         594221.07    4130434.14        0.00001
594271.07    4130434.14        0.00001
         594321.07    4130434.14        0.00002
594371.07    4130434.14        0.00002
         594421.07    4130434.14        0.00002
594471.07    4130434.14        0.00002
         594521.07    4130434.14        0.00002
594571.07    4130434.14        0.00002
         594621.07    4130434.14        0.00002
594671.07    4130434.14        0.00001
         594721.07    4130434.14        0.00001
594771.07    4130434.14        0.00000
         594821.07    4130434.14        0.00000
593821.07    4130484.14        0.00000
         593871.07    4130484.14        0.00000
593921.07    4130484.14        0.00000
         593971.07    4130484.14        0.00000
594021.07    4130484.14        0.00000
         594071.07    4130484.14        0.00000
```

```
594121.07    4130484.14        0.00000
         594171.07    4130484.14        0.00000
594221.07    4130484.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_BT_OF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00002	594321.07	4130484.14	0.00002
594371.07	4130484.14	0.00002	594421.07	4130484.14	0.00002
594471.07	4130484.14	0.00002	594521.07	4130484.14	0.00002
594571.07	4130484.14	0.00002	594621.07	4130484.14	0.00001
594671.07	4130484.14	0.00000	594721.07	4130484.14	0.00000
594771.07	4130484.14	0.00000	594821.07	4130484.14	0.00000
593821.07	4130534.14	0.00000	593871.07	4130534.14	0.00000
593921.07	4130534.14	0.00000	593971.07	4130534.14	0.00000
594021.07	4130534.14	0.00000	594071.07	4130534.14	0.00000
594121.07	4130534.14	0.00000	594171.07	4130534.14	0.00000
594221.07	4130534.14	0.00001	594271.07	4130534.14	0.00001
594321.07	4130534.14	0.00001	594371.07	4130534.14	0.00001
594421.07	4130534.14	0.00001			

```
594471.07    4130534.14        0.00001
         594521.07    4130534.14        0.00001
594571.07    4130534.14        0.00001
         594621.07    4130534.14        0.00000
594671.07    4130534.14        0.00000
         594721.07    4130534.14        0.00000
594771.07    4130534.14        0.00000
         594821.07    4130534.14        0.00000
593821.07    4130584.14        0.00000
         593871.07    4130584.14        0.00000
593921.07    4130584.14        0.00000
         593971.07    4130584.14        0.00000
594021.07    4130584.14        0.00000
         594071.07    4130584.14        0.00000
594121.07    4130584.14        0.00000
         594171.07    4130584.14        0.00000
594221.07    4130584.14        0.00000
         594271.07    4130584.14        0.00000
594321.07    4130584.14        0.00000
         594371.07    4130584.14        0.00000
594421.07    4130584.14        0.00000
         594471.07    4130584.14        0.00000
594521.07    4130584.14        0.00000
         594571.07    4130584.14        0.00000
594621.07    4130584.14        0.00000
         594671.07    4130584.14        0.00000
594721.07    4130584.14        0.00000
         594771.07    4130584.14        0.00000
594821.07    4130584.14        0.00000
         593821.07    4130634.14        0.00000
593871.07    4130634.14        0.00000
         593921.07    4130634.14        0.00000
593971.07    4130634.14        0.00000
         594021.07    4130634.14        0.00000
594071.07    4130634.14        0.00000
         594121.07    4130634.14        0.00000
594171.07    4130634.14        0.00000
         594221.07    4130634.14        0.00000
594271.07    4130634.14        0.00000
         594321.07    4130634.14        0.00000
594371.07    4130634.14        0.00000
         594421.07    4130634.14        0.00000
594471.07    4130634.14        0.00000
         594521.07    4130634.14        0.00000
594571.07    4130634.14        0.00000
         594621.07    4130634.14        0.00000
594671.07    4130634.14        0.00000
         594721.07    4130634.14        0.00000
594771.07    4130634.14        0.00000
         594821.07    4130634.14        0.00000
593821.07    4130684.14        0.00000
         593871.07    4130684.14        0.00000
```

```
593921.07    4130684.14        0.00000
         593971.07    4130684.14        0.00000
594021.07    4130684.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_BT_OF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00000	594121.07	4130684.14	0.00000
594171.07	4130684.14	0.00000	594221.07	4130684.14	0.00000
594271.07	4130684.14	0.00000	594321.07	4130684.14	0.00000
594371.07	4130684.14	0.00000	594421.07	4130684.14	0.00000
594471.07	4130684.14	0.00000	594521.07	4130684.14	0.00000
594571.07	4130684.14	0.00000	594621.07	4130684.14	0.00000
594671.07	4130684.14	0.00000	594721.07	4130684.14	0.00000
594771.07	4130684.14	0.00000	594821.07	4130684.14	0.00000
593821.07	4130734.14	0.00000	593871.07	4130734.14	0.00000
593921.07	4130734.14	0.00000	593971.07	4130734.14	0.00000
594021.07	4130734.14	0.00000	594071.07	4130734.14	0.00000
594121.07	4130734.14	0.00000	594171.07	4130734.14	0.00000
594221.07	4130734.14	0.00000			

```
594271.07    4130734.14        0.00000
         594321.07    4130734.14        0.00000
594371.07    4130734.14        0.00000
         594421.07    4130734.14        0.00000
594471.07    4130734.14        0.00000
         594521.07    4130734.14        0.00000
594571.07    4130734.14        0.00000
         594621.07    4130734.14        0.00000
594671.07    4130734.14        0.00000
         594721.07    4130734.14        0.00000
594771.07    4130734.14        0.00000
         594821.07    4130734.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_T_ON ***
INCLUDING SOURCE(S):
PAREA08 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00014	594132.05	4130211.12	0.00022
593821.07	4129734.14	0.00001	593871.07	4129734.14	0.00001
593921.07	4129734.14	0.00001	593971.07	4129734.14	0.00001
594021.07	4129734.14	0.00001	594071.07	4129734.14	0.00001
594121.07	4129734.14	0.00001	594171.07	4129734.14	0.00002
594221.07	4129734.14	0.00002	594271.07	4129734.14	0.00002
594321.07	4129734.14	0.00002	594371.07	4129734.14	0.00003
594421.07	4129734.14	0.00003	594471.07	4129734.14	0.00004
594521.07	4129734.14	0.00006	594571.07	4129734.14	0.00008
594621.07	4129734.14	0.00011	594671.07	4129734.14	0.00013
594721.07	4129734.14	0.00015	594771.07	4129734.14	0.00017
594821.07	4129734.14	0.00018	593821.07	4129784.14	0.00001
593871.07	4129784.14	0.00001	593921.07	4129784.14	0.00001
593971.07	4129784.14	0.00001	594021.07	4129784.14	0.00001

```
         594071.07    4129784.14        0.00001
594121.07    4129784.14        0.00001
         594171.07    4129784.14        0.00002
594221.07    4129784.14        0.00002
         594271.07    4129784.14        0.00003
594321.07    4129784.14        0.00003
         594371.07    4129784.14        0.00003
594421.07    4129784.14        0.00004
         594471.07    4129784.14        0.00006
594521.07    4129784.14        0.00009
         594571.07    4129784.14        0.00012
594621.07    4129784.14        0.00016
         594671.07    4129784.14        0.00019
594721.07    4129784.14        0.00021
         594771.07    4129784.14        0.00022
594821.07    4129784.14        0.00023
         593821.07    4129834.14        0.00001
593871.07    4129834.14        0.00001
         593921.07    4129834.14        0.00001
593971.07    4129834.14        0.00001
         594021.07    4129834.14        0.00001
594071.07    4129834.14        0.00001
         594121.07    4129834.14        0.00002
594171.07    4129834.14        0.00002
         594221.07    4129834.14        0.00003
594271.07    4129834.14        0.00003
         594321.07    4129834.14        0.00004
594371.07    4129834.14        0.00004
         594421.07    4129834.14        0.00006
594471.07    4129834.14        0.00009
         594521.07    4129834.14        0.00014
594571.07    4129834.14        0.00019
         594621.07    4129834.14        0.00024
594671.07    4129834.14        0.00028
         594721.07    4129834.14        0.00029
594771.07    4129834.14        0.00029
         594821.07    4129834.14        0.00028
593821.07    4129884.14        0.00001
         593871.07    4129884.14        0.00001
593921.07    4129884.14        0.00001
         593971.07    4129884.14        0.00001
594021.07    4129884.14        0.00001
         594071.07    4129884.14        0.00002
594121.07    4129884.14        0.00002
         594171.07    4129884.14        0.00002
594221.07    4129884.14        0.00003
         594271.07    4129884.14        0.00004
594321.07    4129884.14        0.00005
         594371.07    4129884.14        0.00006
594421.07    4129884.14        0.00009
         594471.07    4129884.14        0.00015
594521.07    4129884.14        0.00023
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_T_ON ***
INCLUDING SOURCE(S):
PAREA08 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00031	594621.07	4129884.14	0.00037
594671.07	4129884.14	0.00040	594721.07	4129884.14	0.00039
594771.07	4129884.14	0.00037	594821.07	4129884.14	0.00034
593821.07	4129934.14	0.00001	593871.07	4129934.14	0.00001
593921.07	4129934.14	0.00001	593971.07	4129934.14	0.00001
594021.07	4129934.14	0.00002	594071.07	4129934.14	0.00002
594121.07	4129934.14	0.00002	594171.07	4129934.14	0.00003
594221.07	4129934.14	0.00004	594271.07	4129934.14	0.00006
594321.07	4129934.14	0.00007	594371.07	4129934.14	0.00009
594421.07	4129934.14	0.00015	594471.07	4129934.14	0.00027
594521.07	4129934.14	0.00042	594571.07	4129934.14	0.00053
594621.07	4129934.14	0.00057	594671.07	4129934.14	0.00056
594721.07	4129934.14	0.00050	594771.07	4129934.14	0.00044
594821.07	4129934.14	0.00037	593821.07	4129984.14	0.00002

```
         593871.07    4129984.14        0.00002
593921.07    4129984.14        0.00002
         593971.07    4129984.14        0.00002
594021.07    4129984.14        0.00002
         594071.07    4129984.14        0.00002
594121.07    4129984.14        0.00003
         594171.07    4129984.14        0.00004
594221.07    4129984.14        0.00005
         594271.07    4129984.14        0.00008
594321.07    4129984.14        0.00011
         594371.07    4129984.14        0.00015
594421.07    4129984.14        0.00030
         594471.07    4129984.14        0.00057
594521.07    4129984.14        0.00081
         594571.07    4129984.14        0.00088
594621.07    4129984.14        0.00083
         594671.07    4129984.14        0.00071
594721.07    4129984.14        0.00057
         594771.07    4129984.14        0.00045
594821.07    4129984.14        0.00035
         593821.07    4130034.14        0.00002
593871.07    4130034.14        0.00002
         593921.07    4130034.14        0.00002
593971.07    4130034.14        0.00003
         594021.07    4130034.14        0.00003
594071.07    4130034.14        0.00003
         594121.07    4130034.14        0.00004
594171.07    4130034.14        0.00005
         594221.07    4130034.14        0.00007
594271.07    4130034.14        0.00011
         594321.07    4130034.14        0.00018
594371.07    4130034.14        0.00030
         594421.07    4130034.14        0.00076
594471.07    4130034.14        0.00138
         594521.07    4130034.14        0.00154
594571.07    4130034.14        0.00134
         594621.07    4130034.14        0.00103
594671.07    4130034.14        0.00075
         594721.07    4130034.14        0.00054
594771.07    4130034.14        0.00039
         594821.07    4130034.14        0.00029
593821.07    4130084.14        0.00002
         593871.07    4130084.14        0.00003
593921.07    4130084.14        0.00003
         593971.07    4130084.14        0.00004
594021.07    4130084.14        0.00004
         594071.07    4130084.14        0.00005
594121.07    4130084.14        0.00006
         594271.07    4130084.14        0.00017
594321.07    4130084.14        0.00034
         594371.07    4130084.14        0.00084
594421.07    4130084.14        0.00278
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_T_ON ***
INCLUDING SOURCE(S):
PAREA08 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00330	594521.07	4130084.14	0.00238
594571.07	4130084.14	0.00150	594621.07	4130084.14	0.00094
594671.07	4130084.14	0.00061	594721.07	4130084.14	0.00042
594771.07	4130084.14	0.00030	594821.07	4130084.14	0.00022
593821.07	4130134.14	0.00003	593871.07	4130134.14	0.00003
593921.07	4130134.14	0.00004	593971.07	4130134.14	0.00005
594021.07	4130134.14	0.00006	594071.07	4130134.14	0.00008
594121.07	4130134.14	0.00010	594271.07	4130134.14	0.00036
594321.07	4130134.14	0.00092	594371.07	4130134.14	0.00584
594421.07	4130134.14	0.00987	594471.07	4130134.14	0.00446
594521.07	4130134.14	0.00199	594571.07	4130134.14	0.00103
594621.07	4130134.14	0.00061	594671.07	4130134.14	0.00040
594721.07	4130134.14	0.00027	594771.07	4130134.14	0.00020
594821.07	4130134.14	0.00015	593821.07	4130184.14	0.00003

```
         593871.07    4130184.14        0.00004
593921.07    4130184.14        0.00005
         593971.07    4130184.14        0.00006
594021.07    4130184.14        0.00007
         594071.07    4130184.14        0.00010
594121.07    4130184.14        0.00015
         594171.07    4130184.14        0.00024
594221.07    4130184.14        0.00046
         594271.07    4130184.14        0.00117
594321.07    4130184.14        0.00560
         594371.07    4130184.14        0.01620
594421.07    4130184.14        0.00457
         594471.07    4130184.14        0.00161
594521.07    4130184.14        0.00081
         594571.07    4130184.14        0.00048
594621.07    4130184.14        0.00033
         594671.07    4130184.14        0.00023
594721.07    4130184.14        0.00017
         594771.07    4130184.14        0.00014
594821.07    4130184.14        0.00011
         593821.07    4130234.14        0.00004
593871.07    4130234.14        0.00004
         593921.07    4130234.14        0.00006
593971.07    4130234.14        0.00007
         594021.07    4130234.14        0.00010
594071.07    4130234.14        0.00016
         594121.07    4130234.14        0.00026
594171.07    4130234.14        0.00049
         594221.07    4130234.14        0.00105
594371.07    4130234.14        0.00209
         594421.07    4130234.14        0.00103
594471.07    4130234.14        0.00062
         594521.07    4130234.14        0.00039
594571.07    4130234.14        0.00027
         594621.07    4130234.14        0.00020
594671.07    4130234.14        0.00016
         594721.07    4130234.14        0.00012
594771.07    4130234.14        0.00010
         594821.07    4130234.14        0.00008
593821.07    4130284.14        0.00005
         593871.07    4130284.14        0.00006
593921.07    4130284.14        0.00007
         593971.07    4130284.14        0.00012
594021.07    4130284.14        0.00017
         594071.07    4130284.14        0.00027
594121.07    4130284.14        0.00043
         594171.07    4130284.14        0.00070
594221.07    4130284.14        0.00114
         594271.07    4130284.14        0.00150
594321.07    4130284.14        0.00136
         594371.07    4130284.14        0.00085
594421.07    4130284.14        0.00049
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_T_ON ***
INCLUDING SOURCE(S):
PAREA08 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00035	594521.07	4130284.14	0.00026
594571.07	4130284.14	0.00020	594621.07	4130284.14	0.00015
594671.07	4130284.14	0.00012	594721.07	4130284.14	0.00010
594771.07	4130284.14	0.00008	594821.07	4130284.14	0.00007
593821.07	4130334.14	0.00007	593871.07	4130334.14	0.00009
593921.07	4130334.14	0.00011	593971.07	4130334.14	0.00017
594021.07	4130334.14	0.00023	594071.07	4130334.14	0.00032
594121.07	4130334.14	0.00046	594171.07	4130334.14	0.00062
594221.07	4130334.14	0.00075	594271.07	4130334.14	0.00071
594321.07	4130334.14	0.00066	594371.07	4130334.14	0.00045
594421.07	4130334.14	0.00031	594471.07	4130334.14	0.00022
594521.07	4130334.14	0.00018	594571.07	4130334.14	0.00015
594621.07	4130334.14	0.00013	594671.07	4130334.14	0.00010
594721.07	4130334.14	0.00008	594771.07	4130334.14	0.00007

```
         594821.07    4130334.14        0.00006
593821.07    4130384.14        0.00009
         593871.07    4130384.14        0.00011
593921.07    4130384.14        0.00013
         593971.07    4130384.14        0.00019
594021.07    4130384.14        0.00024
         594071.07    4130384.14        0.00032
594121.07    4130384.14        0.00040
         594171.07    4130384.14        0.00045
594221.07    4130384.14        0.00045
         594271.07    4130384.14        0.00041
594321.07    4130384.14        0.00039
         594371.07    4130384.14        0.00028
594421.07    4130384.14        0.00021
         594471.07    4130384.14        0.00017
594521.07    4130384.14        0.00013
         594571.07    4130384.14        0.00011
594621.07    4130384.14        0.00010
         594671.07    4130384.14        0.00009
594721.07    4130384.14        0.00008
         594771.07    4130384.14        0.00006
594821.07    4130384.14        0.00005
         593821.07    4130434.14        0.00010
593871.07    4130434.14        0.00012
         593921.07    4130434.14        0.00014
593971.07    4130434.14        0.00019
         594021.07    4130434.14        0.00023
594071.07    4130434.14        0.00028
         594121.07    4130434.14        0.00031
594171.07    4130434.14        0.00031
         594221.07    4130434.14        0.00028
594271.07    4130434.14        0.00028
         594321.07    4130434.14        0.00026
594371.07    4130434.14        0.00019
         594421.07    4130434.14        0.00015
594471.07    4130434.14        0.00013
         594521.07    4130434.14        0.00010
594571.07    4130434.14        0.00009
         594621.07    4130434.14        0.00008
594671.07    4130434.14        0.00007
         594721.07    4130434.14        0.00006
594771.07    4130434.14        0.00006
         594821.07    4130434.14        0.00005
593821.07    4130484.14        0.00011
         593871.07    4130484.14        0.00013
593921.07    4130484.14        0.00014
         593971.07    4130484.14        0.00018
594021.07    4130484.14        0.00021
         594071.07    4130484.14        0.00023
594121.07    4130484.14        0.00023
         594171.07    4130484.14        0.00021
594221.07    4130484.14        0.00020
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_T_ON ***
INCLUDING SOURCE(S):
PAREA08 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00020	594321.07	4130484.14	0.00018
594371.07	4130484.14	0.00014	594421.07	4130484.14	0.00011
594471.07	4130484.14	0.00010	594521.07	4130484.14	0.00008
594571.07	4130484.14	0.00007	594621.07	4130484.14	0.00006
594671.07	4130484.14	0.00006	594721.07	4130484.14	0.00005
594771.07	4130484.14	0.00005	594821.07	4130484.14	0.00004
593821.07	4130534.14	0.00011	593871.07	4130534.14	0.00012
593921.07	4130534.14	0.00013	593971.07	4130534.14	0.00016
594021.07	4130534.14	0.00017	594071.07	4130534.14	0.00018
594121.07	4130534.14	0.00017	594171.07	4130534.14	0.00015
594221.07	4130534.14	0.00015	594271.07	4130534.14	0.00015
594321.07	4130534.14	0.00014	594371.07	4130534.14	0.00011
594421.07	4130534.14	0.00009	594471.07	4130534.14	0.00008
594521.07	4130534.14	0.00007	594571.07	4130534.14	0.00006

```
         594621.07    4130534.14        0.00005
594671.07    4130534.14        0.00004
         594721.07    4130534.14        0.00004
594771.07    4130534.14        0.00004
         594821.07    4130534.14        0.00003
593821.07    4130584.14        0.00010
         593871.07    4130584.14        0.00011
593921.07    4130584.14        0.00013
         593971.07    4130584.14        0.00013
594021.07    4130584.14        0.00014
         594071.07    4130584.14        0.00013
594121.07    4130584.14        0.00012
         594171.07    4130584.14        0.00011
594221.07    4130584.14        0.00011
         594271.07    4130584.14        0.00011
594321.07    4130584.14        0.00010
         594371.07    4130584.14        0.00008
594421.07    4130584.14        0.00006
         594471.07    4130584.14        0.00006
594521.07    4130584.14        0.00005
         594571.07    4130584.14        0.00005
594621.07    4130584.14        0.00004
         594671.07    4130584.14        0.00004
594721.07    4130584.14        0.00003
         594771.07    4130584.14        0.00003
594821.07    4130584.14        0.00003
         593821.07    4130634.14        0.00010
593871.07    4130634.14        0.00011
         593921.07    4130634.14        0.00011
593971.07    4130634.14        0.00011
         594021.07    4130634.14        0.00011
594071.07    4130634.14        0.00010
         594121.07    4130634.14        0.00009
594171.07    4130634.14        0.00009
         594221.07    4130634.14        0.00009
594271.07    4130634.14        0.00009
         594321.07    4130634.14        0.00008
594371.07    4130634.14        0.00006
         594421.07    4130634.14        0.00005
594471.07    4130634.14        0.00005
         594521.07    4130634.14        0.00005
594571.07    4130634.14        0.00005
         594621.07    4130634.14        0.00004
594671.07    4130634.14        0.00004
         594721.07    4130634.14        0.00003
594771.07    4130634.14        0.00003
         594821.07    4130634.14        0.00003
593821.07    4130684.14        0.00009
         593871.07    4130684.14        0.00009
593921.07    4130684.14        0.00010
         593971.07    4130684.14        0.00010
594021.07    4130684.14        0.00009
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_T_ON ***
INCLUDING SOURCE(S):
PAREA08 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00009	594121.07	4130684.14	0.00008
594171.07	4130684.14	0.00008	594221.07	4130684.14	0.00008
594271.07	4130684.14	0.00008	594321.07	4130684.14	0.00007
594371.07	4130684.14	0.00006	594421.07	4130684.14	0.00005
594471.07	4130684.14	0.00004	594521.07	4130684.14	0.00004
594571.07	4130684.14	0.00004	594621.07	4130684.14	0.00004
594671.07	4130684.14	0.00003	594721.07	4130684.14	0.00003
594771.07	4130684.14	0.00003	594821.07	4130684.14	0.00002
593821.07	4130734.14	0.00008	593871.07	4130734.14	0.00008
593921.07	4130734.14	0.00008	593971.07	4130734.14	0.00008
594021.07	4130734.14	0.00008	594071.07	4130734.14	0.00007
594121.07	4130734.14	0.00007	594171.07	4130734.14	0.00007
594221.07	4130734.14	0.00007	594271.07	4130734.14	0.00007
594321.07	4130734.14	0.00006	594371.07	4130734.14	0.00005

```
         594421.07    4130734.14        0.00004
594471.07    4130734.14        0.00004
         594521.07    4130734.14        0.00004
594571.07    4130734.14        0.00004
         594621.07    4130734.14        0.00003
594671.07    4130734.14        0.00003
         594721.07    4130734.14        0.00003
594771.07    4130734.14        0.00002
         594821.07    4130734.14        0.00002
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00208	594132.05	4130211.12	0.00320
593821.07	4129734.14	0.00009	593871.07	4129734.14	0.00010
593921.07	4129734.14	0.00011	593971.07	4129734.14	0.00012
594021.07	4129734.14	0.00014	594071.07	4129734.14	0.00017
594121.07	4129734.14	0.00021	594171.07	4129734.14	0.00025
594221.07	4129734.14	0.00028	594271.07	4129734.14	0.00031
594321.07	4129734.14	0.00035	594371.07	4129734.14	0.00043
594421.07	4129734.14	0.00055	594471.07	4129734.14	0.00078
594521.07	4129734.14	0.00117	594571.07	4129734.14	0.00165
594621.07	4129734.14	0.00211	594671.07	4129734.14	0.00244
594721.07	4129734.14	0.00258	594771.07	4129734.14	0.00264
594821.07	4129734.14	0.00258	593821.07	4129784.14	0.00010
593871.07	4129784.14	0.00011	593921.07	4129784.14	0.00012
593971.07	4129784.14	0.00014			

```
594021.07    4129784.14        0.00016
         594071.07    4129784.14        0.00019
594121.07    4129784.14        0.00024
         594171.07    4129784.14        0.00029
594221.07    4129784.14        0.00033
         594271.07    4129784.14        0.00038
594321.07    4129784.14        0.00044
         594371.07    4129784.14        0.00057
594421.07    4129784.14        0.00079
         594471.07    4129784.14        0.00123
594521.07    4129784.14        0.00203
         594571.07    4129784.14        0.00288
594621.07    4129784.14        0.00338
         594671.07    4129784.14        0.00352
594721.07    4129784.14        0.00341
         594771.07    4129784.14        0.00327
594821.07    4129784.14        0.00304
         593821.07    4129834.14        0.00011
593871.07    4129834.14        0.00012
         593921.07    4129834.14        0.00014
593971.07    4129834.14        0.00016
         594021.07    4129834.14        0.00019
594071.07    4129834.14        0.00022
         594121.07    4129834.14        0.00028
594171.07    4129834.14        0.00035
         594221.07    4129834.14        0.00043
594271.07    4129834.14        0.00049
         594321.07    4129834.14        0.00058
594371.07    4129834.14        0.00081
         594421.07    4129834.14        0.00127
594471.07    4129834.14        0.00242
         594521.07    4129834.14        0.00433
594571.07    4129834.14        0.00524
         594621.07    4129834.14        0.00508
594671.07    4129834.14        0.00462
         594721.07    4129834.14        0.00418
594771.07    4129834.14        0.00382
         594821.07    4129834.14        0.00349
593821.07    4129884.14        0.00013
         593871.07    4129884.14        0.00014
593921.07    4129884.14        0.00016
         593971.07    4129884.14        0.00019
594021.07    4129884.14        0.00022
         594071.07    4129884.14        0.00027
594121.07    4129884.14        0.00034
         594171.07    4129884.14        0.00044
594221.07    4129884.14        0.00055
         594271.07    4129884.14        0.00068
594321.07    4129884.14        0.00085
         594371.07    4129884.14        0.00128
594421.07    4129884.14        0.00270
         594471.07    4129884.14        0.00814
```

594521.07	4129884.14	0.01042

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00806	594621.07	4129884.14	0.00630
594671.07	4129884.14	0.00538	594721.07	4129884.14	0.00479
594771.07	4129884.14	0.00433	594821.07	4129884.14	0.00389
593821.07	4129934.14	0.00017	593871.07	4129934.14	0.00017
593921.07	4129934.14	0.00019	593971.07	4129934.14	0.00022
594021.07	4129934.14	0.00026	594071.07	4129934.14	0.00032
594121.07	4129934.14	0.00041	594171.07	4129934.14	0.00056
594221.07	4129934.14	0.00074	594271.07	4129934.14	0.00100
594321.07	4129934.14	0.00145	594371.07	4129934.14	0.00296
594421.07	4129934.14	0.00938	594471.07	4129934.14	0.02123
594521.07	4129934.14	0.01304	594571.07	4129934.14	0.00822
594621.07	4129934.14	0.00682	594671.07	4129934.14	0.00610
594721.07	4129934.14	0.00545	594771.07	4129934.14	0.00481
594821.07	4129934.14	0.00415			

```
593821.07    4129984.14        0.00021
         593871.07    4129984.14        0.00022
593921.07    4129984.14        0.00024
         593971.07    4129984.14        0.00027
594021.07    4129984.14        0.00031
         594071.07    4129984.14        0.00039
594121.07    4129984.14        0.00051
         594171.07    4129984.14        0.00072
594221.07    4129984.14        0.00105
         594271.07    4129984.14        0.00160
594321.07    4129984.14        0.00287
         594371.07    4129984.14        0.00692
594421.07    4129984.14        0.01212
         594471.07    4129984.14        0.01105
594521.07    4129984.14        0.00934
         594571.07    4129984.14        0.00876
594621.07    4129984.14        0.00809
         594671.07    4129984.14        0.00716
594721.07    4129984.14        0.00606
         594771.07    4129984.14        0.00503
594821.07    4129984.14        0.00409
         593821.07    4130034.14        0.00026
593871.07    4130034.14        0.00029
         593921.07    4130034.14        0.00032
593971.07    4130034.14        0.00037
         594021.07    4130034.14        0.00042
594071.07    4130034.14        0.00052
         594121.07    4130034.14        0.00069
594171.07    4130034.14        0.00101
         594221.07    4130034.14        0.00158
594271.07    4130034.14        0.00253
         594321.07    4130034.14        0.00430
594371.07    4130034.14        0.00742
         594421.07    4130034.14        0.01064
594471.07    4130034.14        0.01245
         594521.07    4130034.14        0.01288
594571.07    4130034.14        0.01178
         594621.07    4130034.14        0.00990
594671.07    4130034.14        0.00788
         594721.07    4130034.14        0.00610
594771.07    4130034.14        0.00471
         594821.07    4130034.14        0.00366
593821.07    4130084.14        0.00034
         593871.07    4130084.14        0.00038
593921.07    4130084.14        0.00045
         593971.07    4130084.14        0.00053
594021.07    4130084.14        0.00063
         594071.07    4130084.14        0.00077
594121.07    4130084.14        0.00100
         594271.07    4130084.14        0.00339
594321.07    4130084.14        0.00614
         594371.07    4130084.14        0.01235
```

594421.07	4130084.14	0.02037

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.02238	594521.07	4130084.14	0.01884
594571.07	4130084.14	0.01423	594621.07	4130084.14	0.01028
594671.07	4130084.14	0.00734	594721.07	4130084.14	0.00530
594771.07	4130084.14	0.00393	594821.07	4130084.14	0.00299
593821.07	4130134.14	0.00042	593871.07	4130134.14	0.00049
593921.07	4130134.14	0.00060	593971.07	4130134.14	0.00073
594021.07	4130134.14	0.00090	594071.07	4130134.14	0.00114
594121.07	4130134.14	0.00146	594271.07	4130134.14	0.00591
594321.07	4130134.14	0.01785	594371.07	4130134.14	0.04030
594421.07	4130134.14	0.04870	594471.07	4130134.14	0.03400
594521.07	4130134.14	0.02093	594571.07	4130134.14	0.01291
594621.07	4130134.14	0.00832	594671.07	4130134.14	0.00564
594721.07	4130134.14	0.00398	594771.07	4130134.14	0.00296
594821.07	4130134.14	0.00227			

```
593821.07    4130184.14        0.00050
         593871.07    4130184.14        0.00060
593921.07    4130184.14        0.00073
         593971.07    4130184.14        0.00092
594021.07    4130184.14        0.00119
         594071.07    4130184.14        0.00160
594121.07    4130184.14        0.00224
         594171.07    4130184.14        0.00346
594221.07    4130184.14        0.00655
         594271.07    4130184.14        0.02552
594321.07    4130184.14        0.09223
         594371.07    4130184.14        0.12270
594421.07    4130184.14        0.06203
         594471.07    4130184.14        0.02808
594521.07    4130184.14        0.01427
         594571.07    4130184.14        0.00827
594621.07    4130184.14        0.00536
         594671.07    4130184.14        0.00370
594721.07    4130184.14        0.00271
         594771.07    4130184.14        0.00207
594821.07    4130184.14        0.00164
         593821.07    4130234.14        0.00058
593871.07    4130234.14        0.00070
         593921.07    4130234.14        0.00084
593971.07    4130234.14        0.00115
         594021.07    4130234.14        0.00155
594071.07    4130234.14        0.00226
         594121.07    4130234.14        0.00369
594171.07    4130234.14        0.00743
         594221.07    4130234.14        0.02121
594371.07    4130234.14        0.08130
         594421.07    4130234.14        0.02986
594471.07    4130234.14        0.01244
         594521.07    4130234.14        0.00681
594571.07    4130234.14        0.00443
         594621.07    4130234.14        0.00316
594671.07    4130234.14        0.00236
         594721.07    4130234.14        0.00182
594771.07    4130234.14        0.00147
         594821.07    4130234.14        0.00121
593821.07    4130284.14        0.00069
         593871.07    4130284.14        0.00081
593921.07    4130284.14        0.00102
         593971.07    4130284.14        0.00158
594021.07    4130284.14        0.00234
         594071.07    4130284.14        0.00375
594121.07    4130284.14        0.00666
         594171.07    4130284.14        0.01322
594221.07    4130284.14        0.02777
         594271.07    4130284.14        0.04077
594321.07    4130284.14        0.03393
         594371.07    4130284.14        0.01618
```

594421.07	4130284.14	0.00870

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00552	594521.07	4130284.14	0.00371
594571.07	4130284.14	0.00279	594621.07	4130284.14	0.00213
594671.07	4130284.14	0.00167	594721.07	4130284.14	0.00136
594771.07	4130284.14	0.00113	594821.07	4130284.14	0.00096
593821.07	4130334.14	0.00092	593871.07	4130334.14	0.00110
593921.07	4130334.14	0.00145	593971.07	4130334.14	0.00236
594021.07	4130334.14	0.00345	594071.07	4130334.14	0.00527
594121.07	4130334.14	0.00825	594171.07	4130334.14	0.01249
594221.07	4130334.14	0.01596	594271.07	4130334.14	0.01593
594321.07	4130334.14	0.01186	594371.07	4130334.14	0.00724
594421.07	4130334.14	0.00480	594471.07	4130334.14	0.00352
594521.07	4130334.14	0.00271	594571.07	4130334.14	0.00211
594621.07	4130334.14	0.00166	594671.07	4130334.14	0.00134
594721.07	4130334.14	0.00110			

```
594771.07    4130334.14        0.00093
         594821.07    4130334.14        0.00080
593821.07    4130384.14        0.00126
         593871.07    4130384.14        0.00151
593921.07    4130384.14        0.00186
         593971.07    4130384.14        0.00293
594021.07    4130384.14        0.00399
         594071.07    4130384.14        0.00543
594121.07    4130384.14        0.00714
         594171.07    4130384.14        0.00839
594221.07    4130384.14        0.00858
         594271.07    4130384.14        0.00779
594321.07    4130384.14        0.00615
         594371.07    4130384.14        0.00427
594421.07    4130384.14        0.00311
         594471.07    4130384.14        0.00243
594521.07    4130384.14        0.00202
         594571.07    4130384.14        0.00169
594621.07    4130384.14        0.00140
         594671.07    4130384.14        0.00116
594721.07    4130384.14        0.00097
         594771.07    4130384.14        0.00082
594821.07    4130384.14        0.00070
         593821.07    4130434.14        0.00141
593871.07    4130434.14        0.00172
         593921.07    4130434.14        0.00208
593971.07    4130434.14        0.00304
         594021.07    4130434.14        0.00383
594071.07    4130434.14        0.00467
         594121.07    4130434.14        0.00529
594171.07    4130434.14        0.00537
         594221.07    4130434.14        0.00512
594271.07    4130434.14        0.00467
         594321.07    4130434.14        0.00382
594371.07    4130434.14        0.00286
         594421.07    4130434.14        0.00223
594471.07    4130434.14        0.00179
         594521.07    4130434.14        0.00150
594571.07    4130434.14        0.00130
         594621.07    4130434.14        0.00115
594671.07    4130434.14        0.00101
         594721.07    4130434.14        0.00087
594771.07    4130434.14        0.00075
         594821.07    4130434.14        0.00065
593821.07    4130484.14        0.00163
         593871.07    4130484.14        0.00187
593921.07    4130484.14        0.00214
         593971.07    4130484.14        0.00285
594021.07    4130484.14        0.00333
         594071.07    4130484.14        0.00369
594121.07    4130484.14        0.00375
         594171.07    4130484.14        0.00359
```

594221.07	4130484.14	0.00344

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00319	594321.07	4130484.14	0.00263
594371.07	4130484.14	0.00204	594421.07	4130484.14	0.00168
594471.07	4130484.14	0.00140	594521.07	4130484.14	0.00117
594571.07	4130484.14	0.00102	594621.07	4130484.14	0.00091
594671.07	4130484.14	0.00083	594721.07	4130484.14	0.00076
594771.07	4130484.14	0.00068	594821.07	4130484.14	0.00061
593821.07	4130534.14	0.00164	593871.07	4130534.14	0.00181
593921.07	4130534.14	0.00204	593971.07	4130534.14	0.00247
594021.07	4130534.14	0.00275	594071.07	4130534.14	0.00280
594121.07	4130534.14	0.00269	594171.07	4130534.14	0.00256
594221.07	4130534.14	0.00250	594271.07	4130534.14	0.00231
594321.07	4130534.14	0.00191	594371.07	4130534.14	0.00152
594421.07	4130534.14	0.00129	594471.07	4130534.14	0.00113
594521.07	4130534.14	0.00096			

```
594571.07    4130534.14        0.00082
         594621.07    4130534.14        0.00072
594671.07    4130534.14        0.00062
         594721.07    4130534.14        0.00058
594771.07    4130534.14        0.00054
         594821.07    4130534.14        0.00049
593821.07    4130584.14        0.00157
         593871.07    4130584.14        0.00177
593921.07    4130584.14        0.00196
         593971.07    4130584.14        0.00209
594021.07    4130584.14        0.00214
         594071.07    4130584.14        0.00203
594121.07    4130584.14        0.00190
         594171.07    4130584.14        0.00182
594221.07    4130584.14        0.00179
         594271.07    4130584.14        0.00164
594321.07    4130584.14        0.00132
         594371.07    4130584.14        0.00107
594421.07    4130584.14        0.00092
         594471.07    4130584.14        0.00081
594521.07    4130584.14        0.00072
         594571.07    4130584.14        0.00062
594621.07    4130584.14        0.00056
         594671.07    4130584.14        0.00051
594721.07    4130584.14        0.00047
         594771.07    4130584.14        0.00045
594821.07    4130584.14        0.00042
         593821.07    4130634.14        0.00149
593871.07    4130634.14        0.00160
         593921.07    4130634.14        0.00171
593971.07    4130634.14        0.00175
         594021.07    4130634.14        0.00170
594071.07    4130634.14        0.00158
         594121.07    4130634.14        0.00147
594171.07    4130634.14        0.00142
         594221.07    4130634.14        0.00139
594271.07    4130634.14        0.00126
         594321.07    4130634.14        0.00104
594371.07    4130634.14        0.00087
         594421.07    4130634.14        0.00076
594471.07    4130634.14        0.00070
         594521.07    4130634.14        0.00064
594571.07    4130634.14        0.00061
         594621.07    4130634.14        0.00055
594671.07    4130634.14        0.00050
         594721.07    4130634.14        0.00046
594771.07    4130634.14        0.00043
         594821.07    4130634.14        0.00040
593821.07    4130684.14        0.00137
         593871.07    4130684.14        0.00143
593921.07    4130684.14        0.00145
         593971.07    4130684.14        0.00145
```

594021.07	4130684.14	0.00136

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_ON ***
INCLUDING SOURCE(S):
PAREA05 , PAREA06 , PAREA08 , PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00128	594121.07	4130684.14	0.00126
594171.07	4130684.14	0.00127	594221.07	4130684.14	0.00125
594271.07	4130684.14	0.00113	594321.07	4130684.14	0.00094
594371.07	4130684.14	0.00080	594421.07	4130684.14	0.00071
594471.07	4130684.14	0.00065	594521.07	4130684.14	0.00061
594571.07	4130684.14	0.00055	594621.07	4130684.14	0.00049
594671.07	4130684.14	0.00044	594721.07	4130684.14	0.00040
594771.07	4130684.14	0.00038	594821.07	4130684.14	0.00035
593821.07	4130734.14	0.00122	593871.07	4130734.14	0.00124
593921.07	4130734.14	0.00122	593971.07	4130734.14	0.00118
594021.07	4130734.14	0.00112	594071.07	4130734.14	0.00107
594121.07	4130734.14	0.00105	594171.07	4130734.14	0.00107
594221.07	4130734.14	0.00105	594271.07	4130734.14	0.00094
594321.07	4130734.14	0.00079			

```
594371.07    4130734.14        0.00067
         594421.07    4130734.14        0.00060
594471.07    4130734.14        0.00056
         594521.07    4130734.14        0.00053
594571.07    4130734.14        0.00049
         594621.07    4130734.14        0.00044
594671.07    4130734.14        0.00040
         594721.07    4130734.14        0.00036
594771.07    4130734.14        0.00034
         594821.07    4130734.14        0.00032
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_OFF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00000	594132.05	4130211.12	0.00000
593821.07	4129734.14	0.00000	593871.07	4129734.14	0.00000
593921.07	4129734.14	0.00000	593971.07	4129734.14	0.00000
594021.07	4129734.14	0.00000	594071.07	4129734.14	0.00000
594121.07	4129734.14	0.00000	594171.07	4129734.14	0.00000
594221.07	4129734.14	0.00000	594271.07	4129734.14	0.00000
594321.07	4129734.14	0.00000	594371.07	4129734.14	0.00000
594421.07	4129734.14	0.00000	594471.07	4129734.14	0.00000
594521.07	4129734.14	0.00000	594571.07	4129734.14	0.00000
594621.07	4129734.14	0.00000	594671.07	4129734.14	0.00000
594721.07	4129734.14	0.00000	594771.07	4129734.14	0.00000

```
          594821.07    4129734.14         0.00000
593821.07    4129784.14         0.00000
          593871.07    4129784.14         0.00000
593921.07    4129784.14         0.00000
          593971.07    4129784.14         0.00000
594021.07    4129784.14         0.00000
          594071.07    4129784.14         0.00000
594121.07    4129784.14         0.00000
          594171.07    4129784.14         0.00000
594221.07    4129784.14         0.00000
          594271.07    4129784.14         0.00000
594321.07    4129784.14         0.00000
          594371.07    4129784.14         0.00000
594421.07    4129784.14         0.00000
          594471.07    4129784.14         0.00000
594521.07    4129784.14         0.00000
          594571.07    4129784.14         0.00000
594621.07    4129784.14         0.00000
          594671.07    4129784.14         0.00000
594721.07    4129784.14         0.00000
          594771.07    4129784.14         0.00000
594821.07    4129784.14         0.00000
          593821.07    4129834.14         0.00000
593871.07    4129834.14         0.00000
          593921.07    4129834.14         0.00000
593971.07    4129834.14         0.00000
          594021.07    4129834.14         0.00000
594071.07    4129834.14         0.00000
          594121.07    4129834.14         0.00000
594171.07    4129834.14         0.00000
          594221.07    4129834.14         0.00000
594271.07    4129834.14         0.00000
          594321.07    4129834.14         0.00000
594371.07    4129834.14         0.00000
          594421.07    4129834.14         0.00000
594471.07    4129834.14         0.00000
          594521.07    4129834.14         0.00000
594571.07    4129834.14         0.00000
          594621.07    4129834.14         0.00000
594671.07    4129834.14         0.00000
          594721.07    4129834.14         0.00000
594771.07    4129834.14         0.00000
          594821.07    4129834.14         0.00000
593821.07    4129884.14         0.00000
          593871.07    4129884.14         0.00000
593921.07    4129884.14         0.00000
          593971.07    4129884.14         0.00000
594021.07    4129884.14         0.00000
          594071.07    4129884.14         0.00000
594121.07    4129884.14         0.00000
          594171.07    4129884.14         0.00000
594221.07    4129884.14         0.00000
```

```
         594271.07    4129884.14        0.00000
594321.07    4129884.14        0.00000
         594371.07    4129884.14        0.00000
594421.07    4129884.14        0.00000
         594471.07    4129884.14        0.00000
594521.07    4129884.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_OFF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00000	594621.07	4129884.14	0.00000
594671.07	4129884.14	0.00000	594721.07	4129884.14	0.00000
594771.07	4129884.14	0.00000	594821.07	4129884.14	0.00000
593821.07	4129934.14	0.00000	593871.07	4129934.14	0.00000
593921.07	4129934.14	0.00000	593971.07	4129934.14	0.00000
594021.07	4129934.14	0.00000	594071.07	4129934.14	0.00000
594121.07	4129934.14	0.00000	594171.07	4129934.14	0.00000
594221.07	4129934.14	0.00000	594271.07	4129934.14	0.00000
594321.07	4129934.14	0.00000	594371.07	4129934.14	0.00000
594421.07	4129934.14	0.00000	594471.07	4129934.14	0.00000
594521.07	4129934.14	0.00000	594571.07	4129934.14	0.00000

```
         594621.07    4129934.14        0.00000
594671.07    4129934.14        0.00000
         594721.07    4129934.14        0.00000
594771.07    4129934.14        0.00000
         594821.07    4129934.14        0.00000
593821.07    4129984.14        0.00000
         593871.07    4129984.14        0.00000
593921.07    4129984.14        0.00000
         593971.07    4129984.14        0.00000
594021.07    4129984.14        0.00000
         594071.07    4129984.14        0.00000
594121.07    4129984.14        0.00000
         594171.07    4129984.14        0.00000
594221.07    4129984.14        0.00000
         594271.07    4129984.14        0.00000
594321.07    4129984.14        0.00000
         594371.07    4129984.14        0.00000
594421.07    4129984.14        0.00000
         594471.07    4129984.14        0.00000
594521.07    4129984.14        0.00000
         594571.07    4129984.14        0.00000
594621.07    4129984.14        0.00000
         594671.07    4129984.14        0.00000
594721.07    4129984.14        0.00000
         594771.07    4129984.14        0.00000
594821.07    4129984.14        0.00000
         593821.07    4130034.14        0.00000
593871.07    4130034.14        0.00000
         593921.07    4130034.14        0.00000
593971.07    4130034.14        0.00000
         594021.07    4130034.14        0.00000
594071.07    4130034.14        0.00000
         594121.07    4130034.14        0.00000
594171.07    4130034.14        0.00000
         594221.07    4130034.14        0.00000
594271.07    4130034.14        0.00000
         594321.07    4130034.14        0.00000
594371.07    4130034.14        0.00000
         594421.07    4130034.14        0.00000
594471.07    4130034.14        0.00000
         594521.07    4130034.14        0.00000
594571.07    4130034.14        0.00000
         594621.07    4130034.14        0.00000
594671.07    4130034.14        0.00000
         594721.07    4130034.14        0.00000
594771.07    4130034.14        0.00000
         594821.07    4130034.14        0.00000
593821.07    4130084.14        0.00000
         593871.07    4130084.14        0.00000
593921.07    4130084.14        0.00000
         593971.07    4130084.14        0.00000
594021.07    4130084.14        0.00000
```

```
         594071.07    4130084.14        0.00000
594121.07    4130084.14        0.00000
         594271.07    4130084.14        0.00000
594321.07    4130084.14        0.00000
         594371.07    4130084.14        0.00000
594421.07    4130084.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_OFF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00000	594521.07	4130084.14	0.00000
594571.07	4130084.14	0.00000	594621.07	4130084.14	0.00000
594671.07	4130084.14	0.00000	594721.07	4130084.14	0.00000
594771.07	4130084.14	0.00000	594821.07	4130084.14	0.00000
593821.07	4130134.14	0.00000	593871.07	4130134.14	0.00000
593921.07	4130134.14	0.00000	593971.07	4130134.14	0.00000
594021.07	4130134.14	0.00000	594071.07	4130134.14	0.00000
594121.07	4130134.14	0.00000	594271.07	4130134.14	0.00000
594321.07	4130134.14	0.00000	594371.07	4130134.14	0.00000
594421.07	4130134.14	0.00000	594471.07	4130134.14	0.00000
594521.07	4130134.14	0.00000	594571.07	4130134.14	0.00000

```
         594621.07    4130134.14        0.00000
594671.07    4130134.14        0.00000
         594721.07    4130134.14        0.00000
594771.07    4130134.14        0.00000
         594821.07    4130134.14        0.00000
593821.07    4130184.14        0.00000
         593871.07    4130184.14        0.00000
593921.07    4130184.14        0.00000
         593971.07    4130184.14        0.00000
594021.07    4130184.14        0.00000
         594071.07    4130184.14        0.00000
594121.07    4130184.14        0.00000
         594171.07    4130184.14        0.00000
594221.07    4130184.14        0.00000
         594271.07    4130184.14        0.00002
594321.07    4130184.14        0.00001
         594371.07    4130184.14        0.00001
594421.07    4130184.14        0.00000
         594471.07    4130184.14        0.00000
594521.07    4130184.14        0.00000
         594571.07    4130184.14        0.00000
594621.07    4130184.14        0.00000
         594671.07    4130184.14        0.00000
594721.07    4130184.14        0.00000
         594771.07    4130184.14        0.00000
594821.07    4130184.14        0.00000
         593821.07    4130234.14        0.00000
593871.07    4130234.14        0.00000
         593921.07    4130234.14        0.00000
593971.07    4130234.14        0.00000
         594021.07    4130234.14        0.00000
594071.07    4130234.14        0.00000
         594121.07    4130234.14        0.00000
594171.07    4130234.14        0.00000
         594221.07    4130234.14        0.00001
594371.07    4130234.14        0.00001
         594421.07    4130234.14        0.00001
594471.07    4130234.14        0.00000
         594521.07    4130234.14        0.00000
594571.07    4130234.14        0.00000
         594621.07    4130234.14        0.00000
594671.07    4130234.14        0.00000
         594721.07    4130234.14        0.00000
594771.07    4130234.14        0.00000
         594821.07    4130234.14        0.00000
593821.07    4130284.14        0.00000
         593871.07    4130284.14        0.00000
593921.07    4130284.14        0.00000
         593971.07    4130284.14        0.00000
594021.07    4130284.14        0.00000
         594071.07    4130284.14        0.00000
594121.07    4130284.14        0.00000
```

```
         594171.07    4130284.14        0.00000
594221.07    4130284.14        0.00001
         594271.07    4130284.14        0.00002
594321.07    4130284.14        0.00001
         594371.07    4130284.14        0.00001
594421.07    4130284.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_OFF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00000	594521.07	4130284.14	0.00000
594571.07	4130284.14	0.00000	594621.07	4130284.14	0.00000
594671.07	4130284.14	0.00000	594721.07	4130284.14	0.00000
594771.07	4130284.14	0.00000	594821.07	4130284.14	0.00000
593821.07	4130334.14	0.00000	593871.07	4130334.14	0.00000
593921.07	4130334.14	0.00000	593971.07	4130334.14	0.00000
594021.07	4130334.14	0.00000	594071.07	4130334.14	0.00000
594121.07	4130334.14	0.00000	594171.07	4130334.14	0.00000
594221.07	4130334.14	0.00001	594271.07	4130334.14	0.00002
594321.07	4130334.14	0.00001	594371.07	4130334.14	0.00001
594421.07	4130334.14	0.00001	594471.07	4130334.14	0.00001

```
         594521.07    4130334.14        0.00001
594571.07    4130334.14        0.00001
         594621.07    4130334.14        0.00001
594671.07    4130334.14        0.00001
         594721.07    4130334.14        0.00001
594771.07    4130334.14        0.00000
         594821.07    4130334.14        0.00000
593821.07    4130384.14        0.00000
         593871.07    4130384.14        0.00000
593921.07    4130384.14        0.00000
         593971.07    4130384.14        0.00000
594021.07    4130384.14        0.00000
         594071.07    4130384.14        0.00000
594121.07    4130384.14        0.00000
         594171.07    4130384.14        0.00000
594221.07    4130384.14        0.00001
         594271.07    4130384.14        0.00001
594321.07    4130384.14        0.00002
         594371.07    4130384.14        0.00001
594421.07    4130384.14        0.00001
         594471.07    4130384.14        0.00001
594521.07    4130384.14        0.00001
         594571.07    4130384.14        0.00001
594621.07    4130384.14        0.00001
         594671.07    4130384.14        0.00001
594721.07    4130384.14        0.00001
         594771.07    4130384.14        0.00000
594821.07    4130384.14        0.00000
         593821.07    4130434.14        0.00000
593871.07    4130434.14        0.00000
         593921.07    4130434.14        0.00000
593971.07    4130434.14        0.00000
         594021.07    4130434.14        0.00000
594071.07    4130434.14        0.00000
         594121.07    4130434.14        0.00000
594171.07    4130434.14        0.00000
         594221.07    4130434.14        0.00001
594271.07    4130434.14        0.00001
         594321.07    4130434.14        0.00002
594371.07    4130434.14        0.00002
         594421.07    4130434.14        0.00002
594471.07    4130434.14        0.00002
         594521.07    4130434.14        0.00002
594571.07    4130434.14        0.00002
         594621.07    4130434.14        0.00002
594671.07    4130434.14        0.00001
         594721.07    4130434.14        0.00001
594771.07    4130434.14        0.00000
         594821.07    4130434.14        0.00000
593821.07    4130484.14        0.00000
         593871.07    4130484.14        0.00000
593921.07    4130484.14        0.00000
```

```
         593971.07    4130484.14        0.00000
594021.07    4130484.14        0.00000
         594071.07    4130484.14        0.00000
594121.07    4130484.14        0.00000
         594171.07    4130484.14        0.00000
594221.07    4130484.14        0.00001
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_OFF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00002	594321.07	4130484.14	0.00002
594371.07	4130484.14	0.00002	594421.07	4130484.14	0.00002
594471.07	4130484.14	0.00002	594521.07	4130484.14	0.00002
594571.07	4130484.14	0.00002	594621.07	4130484.14	0.00001
594671.07	4130484.14	0.00000	594721.07	4130484.14	0.00000
594771.07	4130484.14	0.00000	594821.07	4130484.14	0.00000
593821.07	4130534.14	0.00000	593871.07	4130534.14	0.00000
593921.07	4130534.14	0.00000	593971.07	4130534.14	0.00000
594021.07	4130534.14	0.00000	594071.07	4130534.14	0.00000
594121.07	4130534.14	0.00000	594171.07	4130534.14	0.00000
594221.07	4130534.14	0.00001	594271.07	4130534.14	0.00001

```
         594321.07    4130534.14        0.00001
594371.07    4130534.14        0.00001
         594421.07    4130534.14        0.00001
594471.07    4130534.14        0.00001
         594521.07    4130534.14        0.00001
594571.07    4130534.14        0.00001
         594621.07    4130534.14        0.00000
594671.07    4130534.14        0.00000
         594721.07    4130534.14        0.00000
594771.07    4130534.14        0.00000
         594821.07    4130534.14        0.00000
593821.07    4130584.14        0.00000
         593871.07    4130584.14        0.00000
593921.07    4130584.14        0.00000
         593971.07    4130584.14        0.00000
594021.07    4130584.14        0.00000
         594071.07    4130584.14        0.00000
594121.07    4130584.14        0.00000
         594171.07    4130584.14        0.00000
594221.07    4130584.14        0.00000
         594271.07    4130584.14        0.00000
594321.07    4130584.14        0.00000
         594371.07    4130584.14        0.00000
594421.07    4130584.14        0.00000
         594471.07    4130584.14        0.00000
594521.07    4130584.14        0.00000
         594571.07    4130584.14        0.00000
594621.07    4130584.14        0.00000
         594671.07    4130584.14        0.00000
594721.07    4130584.14        0.00000
         594771.07    4130584.14        0.00000
594821.07    4130584.14        0.00000
         593821.07    4130634.14        0.00000
593871.07    4130634.14        0.00000
         593921.07    4130634.14        0.00000
593971.07    4130634.14        0.00000
         594021.07    4130634.14        0.00000
594071.07    4130634.14        0.00000
         594121.07    4130634.14        0.00000
594171.07    4130634.14        0.00000
         594221.07    4130634.14        0.00000
594271.07    4130634.14        0.00000
         594321.07    4130634.14        0.00000
594371.07    4130634.14        0.00000
         594421.07    4130634.14        0.00000
594471.07    4130634.14        0.00000
         594521.07    4130634.14        0.00000
594571.07    4130634.14        0.00000
         594621.07    4130634.14        0.00000
594671.07    4130634.14        0.00000
         594721.07    4130634.14        0.00000
594771.07    4130634.14        0.00000
```

```
         594821.07    4130634.14        0.00000
593821.07    4130684.14        0.00000
         593871.07    4130684.14        0.00000
593921.07    4130684.14        0.00000
         593971.07    4130684.14        0.00000
594021.07    4130684.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_OFF ***
INCLUDING SOURCE(S):
A0000052 , A0000053 , A0000054 , A0000055 , A0000056 ,
A0000057 , A0000058 , A0000059 , A0000060 , A0000061 , A0000062 , A0000063 , A0000064 ,
A0000065 , A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00000	594121.07	4130684.14	0.00000
594171.07	4130684.14	0.00000	594221.07	4130684.14	0.00000
594271.07	4130684.14	0.00000	594321.07	4130684.14	0.00000
594371.07	4130684.14	0.00000	594421.07	4130684.14	0.00000
594471.07	4130684.14	0.00000	594521.07	4130684.14	0.00000
594571.07	4130684.14	0.00000	594621.07	4130684.14	0.00000
594671.07	4130684.14	0.00000	594721.07	4130684.14	0.00000
594771.07	4130684.14	0.00000	594821.07	4130684.14	0.00000
593821.07	4130734.14	0.00000	593871.07	4130734.14	0.00000
593921.07	4130734.14	0.00000	593971.07	4130734.14	0.00000
594021.07	4130734.14	0.00000	594071.07	4130734.14	0.00000

```
         594121.07    4130734.14        0.00000
594171.07    4130734.14        0.00000
         594221.07    4130734.14        0.00000
594271.07    4130734.14        0.00000
         594321.07    4130734.14        0.00000
594371.07    4130734.14        0.00000
         594421.07    4130734.14        0.00000
594471.07    4130734.14        0.00000
         594521.07    4130734.14        0.00000
594571.07    4130734.14        0.00000
         594621.07    4130734.14        0.00000
594671.07    4130734.14        0.00000
         594721.07    4130734.14        0.00000
594771.07    4130734.14        0.00000
         594821.07    4130734.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_ON ***
INCLUDING SOURCE(S):
PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00030	594132.05	4130211.12	0.00036
593821.07	4129734.14	0.00002	593871.07	4129734.14	0.00002
593921.07	4129734.14	0.00002	593971.07	4129734.14	0.00002
594021.07	4129734.14	0.00002	594071.07	4129734.14	0.00002
594121.07	4129734.14	0.00003	594171.07	4129734.14	0.00003
594221.07	4129734.14	0.00004	594271.07	4129734.14	0.00005
594321.07	4129734.14	0.00008	594371.07	4129734.14	0.00011
594421.07	4129734.14	0.00014	594471.07	4129734.14	0.00021
594521.07	4129734.14	0.00041	594571.07	4129734.14	0.00069
594621.07	4129734.14	0.00091	594671.07	4129734.14	0.00100
594721.07	4129734.14	0.00096	594771.07	4129734.14	0.00086
594821.07	4129734.14	0.00072	593821.07	4129784.14	0.00002
593871.07	4129784.14	0.00002	593921.07	4129784.14	0.00003
593971.07	4129784.14	0.00003	594021.07	4129784.14	0.00003

```
          594071.07    4129784.14         0.00003
594121.07    4129784.14         0.00004
          594171.07    4129784.14         0.00004
594221.07    4129784.14         0.00005
          594271.07    4129784.14         0.00007
594321.07    4129784.14         0.00010
          594371.07    4129784.14         0.00016
594421.07    4129784.14         0.00023
          594471.07    4129784.14         0.00044
594521.07    4129784.14         0.00095
          594571.07    4129784.14         0.00148
594621.07    4129784.14         0.00165
          594671.07    4129784.14         0.00151
594721.07    4129784.14         0.00123
          594771.07    4129784.14         0.00095
594821.07    4129784.14         0.00071
          593821.07    4129834.14         0.00003
593871.07    4129834.14         0.00003
          593921.07    4129834.14         0.00003
593971.07    4129834.14         0.00004
          594021.07    4129834.14         0.00004
594071.07    4129834.14         0.00005
          594121.07    4129834.14         0.00006
594171.07    4129834.14         0.00007
          594221.07    4129834.14         0.00008
594271.07    4129834.14         0.00010
          594321.07    4129834.14         0.00015
594371.07    4129834.14         0.00025
          594421.07    4129834.14         0.00047
594471.07    4129834.14         0.00127
          594521.07    4129834.14         0.00274
594571.07    4129834.14         0.00317
          594621.07    4129834.14         0.00259
594671.07    4129834.14         0.00183
          594721.07    4129834.14         0.00124
594771.07    4129834.14         0.00085
          594821.07    4129834.14         0.00059
593821.07    4129884.14         0.00003
          593871.07    4129884.14         0.00003
593921.07    4129884.14         0.00004
          593971.07    4129884.14         0.00004
594021.07    4129884.14         0.00005
          594071.07    4129884.14         0.00006
594121.07    4129884.14         0.00008
          594171.07    4129884.14         0.00010
594221.07    4129884.14         0.00013
          594271.07    4129884.14         0.00018
594321.07    4129884.14         0.00026
          594371.07    4129884.14         0.00050
594421.07    4129884.14         0.00151
          594471.07    4129884.14         0.00635
594521.07    4129884.14         0.00793
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_ON ***
INCLUDING SOURCE(S):
PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00490	594621.07	4129884.14	0.00268
594671.07	4129884.14	0.00152	594721.07	4129884.14	0.00093
594771.07	4129884.14	0.00061	594821.07	4129884.14	0.00042
593821.07	4129934.14	0.00003	593871.07	4129934.14	0.00004
593921.07	4129934.14	0.00004	593971.07	4129934.14	0.00005
594021.07	4129934.14	0.00006	594071.07	4129934.14	0.00008
594121.07	4129934.14	0.00010	594171.07	4129934.14	0.00014
594221.07	4129934.14	0.00021	594271.07	4129934.14	0.00033
594321.07	4129934.14	0.00063	594371.07	4129934.14	0.00176
594421.07	4129934.14	0.00743	594471.07	4129934.14	0.01822
594521.07	4129934.14	0.00893	594571.07	4129934.14	0.00330
594621.07	4129934.14	0.00154	594671.07	4129934.14	0.00086
594721.07	4129934.14	0.00054	594771.07	4129934.14	0.00038
594821.07	4129934.14	0.00027	593821.07	4129984.14	0.00004

```
         593871.07    4129984.14        0.00004
593921.07    4129984.14        0.00005
         593971.07    4129984.14        0.00006
594021.07    4129984.14        0.00008
         594071.07    4129984.14        0.00010
594121.07    4129984.14        0.00014
         594171.07    4129984.14        0.00021
594221.07    4129984.14        0.00035
         594271.07    4129984.14        0.00068
594321.07    4129984.14        0.00161
         594371.07    4129984.14        0.00487
594421.07    4129984.14        0.00853
         594471.07    4129984.14        0.00553
594521.07    4129984.14        0.00231
         594571.07    4129984.14        0.00113
594621.07    4129984.14        0.00067
         594671.07    4129984.14        0.00045
594721.07    4129984.14        0.00032
         594771.07    4129984.14        0.00024
594821.07    4129984.14        0.00019
         593821.07    4130034.14        0.00004
593871.07    4130034.14        0.00005
         593921.07    4130034.14        0.00006
593971.07    4130034.14        0.00008
         594021.07    4130034.14        0.00011
594071.07    4130034.14        0.00015
         594121.07    4130034.14        0.00023
594171.07    4130034.14        0.00037
         594221.07    4130034.14        0.00062
594271.07    4130034.14        0.00113
         594321.07    4130034.14        0.00208
594371.07    4130034.14        0.00321
         594421.07    4130034.14        0.00294
594471.07    4130034.14        0.00149
         594521.07    4130034.14        0.00086
594571.07    4130034.14        0.00058
         594621.07    4130034.14        0.00041
594671.07    4130034.14        0.00030
         594721.07    4130034.14        0.00022
594771.07    4130034.14        0.00017
         594821.07    4130034.14        0.00014
593821.07    4130084.14        0.00006
         593871.07    4130084.14        0.00007
593921.07    4130084.14        0.00009
         593971.07    4130084.14        0.00012
594021.07    4130084.14        0.00017
         594071.07    4130084.14        0.00023
594121.07    4130084.14        0.00034
         594271.07    4130084.14        0.00106
594321.07    4130084.14        0.00136
         594371.07    4130084.14        0.00138
594421.07    4130084.14        0.00116
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_ON ***
INCLUDING SOURCE(S):
PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00073	594521.07	4130084.14	0.00048
594571.07	4130084.14	0.00036	594621.07	4130084.14	0.00029
594671.07	4130084.14	0.00023	594721.07	4130084.14	0.00018
594771.07	4130084.14	0.00014	594821.07	4130084.14	0.00012
593821.07	4130134.14	0.00008	593871.07	4130134.14	0.00010
593921.07	4130134.14	0.00013	593971.07	4130134.14	0.00016
594021.07	4130134.14	0.00021	594071.07	4130134.14	0.00028
594121.07	4130134.14	0.00038	594271.07	4130134.14	0.00077
594321.07	4130134.14	0.00078	594371.07	4130134.14	0.00074
594421.07	4130134.14	0.00062	594471.07	4130134.14	0.00044
594521.07	4130134.14	0.00032	594571.07	4130134.14	0.00025
594621.07	4130134.14	0.00020	594671.07	4130134.14	0.00017
594721.07	4130134.14	0.00015	594771.07	4130134.14	0.00013
594821.07	4130134.14	0.00011	593821.07	4130184.14	0.00010

```
         593871.07    4130184.14        0.00012
593921.07    4130184.14        0.00015
         593971.07    4130184.14        0.00019
594021.07    4130184.14        0.00023
         594071.07    4130184.14        0.00029
594121.07    4130184.14        0.00036
         594171.07    4130184.14        0.00044
594221.07    4130184.14        0.00050
         594271.07    4130184.14        0.00051
594321.07    4130184.14        0.00048
         594371.07    4130184.14        0.00047
594421.07    4130184.14        0.00040
         594471.07    4130184.14        0.00029
594521.07    4130184.14        0.00023
         594571.07    4130184.14        0.00019
594621.07    4130184.14        0.00015
         594671.07    4130184.14        0.00013
594721.07    4130184.14        0.00012
         594771.07    4130184.14        0.00010
594821.07    4130184.14        0.00009
         593821.07    4130234.14        0.00011
593871.07    4130234.14        0.00013
         593921.07    4130234.14        0.00016
593971.07    4130234.14        0.00019
         594021.07    4130234.14        0.00023
594071.07    4130234.14        0.00028
         594121.07    4130234.14        0.00032
594171.07    4130234.14        0.00036
         594221.07    4130234.14        0.00037
594371.07    4130234.14        0.00033
         594421.07    4130234.14        0.00028
594471.07    4130234.14        0.00021
         594521.07    4130234.14        0.00017
594571.07    4130234.14        0.00015
         594621.07    4130234.14        0.00012
594671.07    4130234.14        0.00010
         594721.07    4130234.14        0.00009
594771.07    4130234.14        0.00008
         594821.07    4130234.14        0.00008
593821.07    4130284.14        0.00012
         593871.07    4130284.14        0.00014
593921.07    4130284.14        0.00016
         593971.07    4130284.14        0.00019
594021.07    4130284.14        0.00022
         594071.07    4130284.14        0.00025
594121.07    4130284.14        0.00027
         594171.07    4130284.14        0.00028
594221.07    4130284.14        0.00026
         594271.07    4130284.14        0.00025
594321.07    4130284.14        0.00024
         594371.07    4130284.14        0.00024
594421.07    4130284.14        0.00020
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_ON ***
INCLUDING SOURCE(S):
PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00016	594521.07	4130284.14	0.00013
594571.07	4130284.14	0.00012	594621.07	4130284.14	0.00010
594671.07	4130284.14	0.00009	594721.07	4130284.14	0.00008
594771.07	4130284.14	0.00007	594821.07	4130284.14	0.00006
593821.07	4130334.14	0.00012	593871.07	4130334.14	0.00013
593921.07	4130334.14	0.00015	593971.07	4130334.14	0.00018
594021.07	4130334.14	0.00020	594071.07	4130334.14	0.00021
594121.07	4130334.14	0.00022	594171.07	4130334.14	0.00021
594221.07	4130334.14	0.00020	594271.07	4130334.14	0.00019
594321.07	4130334.14	0.00019	594371.07	4130334.14	0.00019
594421.07	4130334.14	0.00016	594471.07	4130334.14	0.00013
594521.07	4130334.14	0.00011	594571.07	4130334.14	0.00010
594621.07	4130334.14	0.00009	594671.07	4130334.14	0.00007
594721.07	4130334.14	0.00007	594771.07	4130334.14	0.00006

```
         594821.07    4130334.14        0.00005
593821.07    4130384.14        0.00012
         593871.07    4130384.14        0.00013
593921.07    4130384.14        0.00013
         593971.07    4130384.14        0.00016
594021.07    4130384.14        0.00017
         594071.07    4130384.14        0.00018
594121.07    4130384.14        0.00017
         594171.07    4130384.14        0.00016
594221.07    4130384.14        0.00015
         594271.07    4130384.14        0.00015
594321.07    4130384.14        0.00016
         594371.07    4130384.14        0.00015
594421.07    4130384.14        0.00012
         594471.07    4130384.14        0.00010
594521.07    4130384.14        0.00009
         594571.07    4130384.14        0.00008
594621.07    4130384.14        0.00007
         594671.07    4130384.14        0.00007
594721.07    4130384.14        0.00006
         594771.07    4130384.14        0.00005
594821.07    4130384.14        0.00005
         593821.07    4130434.14        0.00011
593871.07    4130434.14        0.00012
         593921.07    4130434.14        0.00013
593971.07    4130434.14        0.00014
         594021.07    4130434.14        0.00015
594071.07    4130434.14        0.00015
         594121.07    4130434.14        0.00014
594171.07    4130434.14        0.00013
         594221.07    4130434.14        0.00012
594271.07    4130434.14        0.00013
         594321.07    4130434.14        0.00013
594371.07    4130434.14        0.00012
         594421.07    4130434.14        0.00010
594471.07    4130434.14        0.00008
         594521.07    4130434.14        0.00007
594571.07    4130434.14        0.00007
         594621.07    4130434.14        0.00006
594671.07    4130434.14        0.00006
         594721.07    4130434.14        0.00005
594771.07    4130434.14        0.00005
         594821.07    4130434.14        0.00004
593821.07    4130484.14        0.00011
         593871.07    4130484.14        0.00012
593921.07    4130484.14        0.00012
         593971.07    4130484.14        0.00013
594021.07    4130484.14        0.00012
         594071.07    4130484.14        0.00012
594121.07    4130484.14        0.00011
         594171.07    4130484.14        0.00011
594221.07    4130484.14        0.00010
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_ON ***
INCLUDING SOURCE(S):
PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00011	594321.07	4130484.14	0.00011
594371.07	4130484.14	0.00010	594421.07	4130484.14	0.00008
594471.07	4130484.14	0.00007	594521.07	4130484.14	0.00006
594571.07	4130484.14	0.00006	594621.07	4130484.14	0.00005
594671.07	4130484.14	0.00005	594721.07	4130484.14	0.00005
594771.07	4130484.14	0.00004	594821.07	4130484.14	0.00004
593821.07	4130534.14	0.00010	593871.07	4130534.14	0.00010
593921.07	4130534.14	0.00011	593971.07	4130534.14	0.00011
594021.07	4130534.14	0.00010	594071.07	4130534.14	0.00010
594121.07	4130534.14	0.00009	594171.07	4130534.14	0.00009
594221.07	4130534.14	0.00009	594271.07	4130534.14	0.00009
594321.07	4130534.14	0.00009	594371.07	4130534.14	0.00008
594421.07	4130534.14	0.00007	594471.07	4130534.14	0.00006
594521.07	4130534.14	0.00005	594571.07	4130534.14	0.00005

```
         594621.07    4130534.14        0.00005
594671.07    4130534.14        0.00004
         594721.07    4130534.14        0.00004
594771.07    4130534.14        0.00003
         594821.07    4130534.14        0.00003
593821.07    4130584.14        0.00009
         593871.07    4130584.14        0.00009
593921.07    4130584.14        0.00009
         593971.07    4130584.14        0.00009
594021.07    4130584.14        0.00009
         594071.07    4130584.14        0.00008
594121.07    4130584.14        0.00008
         594171.07    4130584.14        0.00007
594221.07    4130584.14        0.00007
         594271.07    4130584.14        0.00008
594321.07    4130584.14        0.00007
         594371.07    4130584.14        0.00007
594421.07    4130584.14        0.00005
         594471.07    4130584.14        0.00005
594521.07    4130584.14        0.00004
         594571.07    4130584.14        0.00004
594621.07    4130584.14        0.00004
         594671.07    4130584.14        0.00004
594721.07    4130584.14        0.00003
         594771.07    4130584.14        0.00003
594821.07    4130584.14        0.00003
         593821.07    4130634.14        0.00008
593871.07    4130634.14        0.00008
         593921.07    4130634.14        0.00008
593971.07    4130634.14        0.00008
         594021.07    4130634.14        0.00007
594071.07    4130634.14        0.00007
         594121.07    4130634.14        0.00007
594171.07    4130634.14        0.00006
         594221.07    4130634.14        0.00006
594271.07    4130634.14        0.00007
         594321.07    4130634.14        0.00006
594371.07    4130634.14        0.00006
         594421.07    4130634.14        0.00005
594471.07    4130634.14        0.00004
         594521.07    4130634.14        0.00004
594571.07    4130634.14        0.00004
         594621.07    4130634.14        0.00004
594671.07    4130634.14        0.00004
         594721.07    4130634.14        0.00004
594771.07    4130634.14        0.00003
         594821.07    4130634.14        0.00003
593821.07    4130684.14        0.00008
         593871.07    4130684.14        0.00007
593921.07    4130684.14        0.00007
         593971.07    4130684.14        0.00007
594021.07    4130684.14        0.00006
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_ON ***
INCLUDING SOURCE(S):
PAREA13 , PAREA14 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00006	594121.07	4130684.14	0.00006
594171.07	4130684.14	0.00006	594221.07	4130684.14	0.00006
594271.07	4130684.14	0.00006	594321.07	4130684.14	0.00006
594371.07	4130684.14	0.00005	594421.07	4130684.14	0.00005
594471.07	4130684.14	0.00004	594521.07	4130684.14	0.00004
594571.07	4130684.14	0.00003	594621.07	4130684.14	0.00003
594671.07	4130684.14	0.00003	594721.07	4130684.14	0.00003
594771.07	4130684.14	0.00003	594821.07	4130684.14	0.00003
593821.07	4130734.14	0.00007	593871.07	4130734.14	0.00007
593921.07	4130734.14	0.00006	593971.07	4130734.14	0.00006
594021.07	4130734.14	0.00006	594071.07	4130734.14	0.00005
594121.07	4130734.14	0.00005	594171.07	4130734.14	0.00005
594221.07	4130734.14	0.00006	594271.07	4130734.14	0.00006
594321.07	4130734.14	0.00005	594371.07	4130734.14	0.00005

```
         594421.07    4130734.14        0.00004
594471.07    4130734.14        0.00004
         594521.07    4130734.14        0.00003
594571.07    4130734.14        0.00003
         594621.07    4130734.14        0.00003
594671.07    4130734.14        0.00003
         594721.07    4130734.14        0.00003
594771.07    4130734.14        0.00003
         594821.07    4130734.14        0.00003
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_OF ***
INCLUDING SOURCE(S):
A0000061 , A0000062 , A0000063 , A0000064 , A0000065 ,
A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594085.29	4130209.16	0.00000	594132.05	4130211.12	0.00000
593821.07	4129734.14	0.00000	593871.07	4129734.14	0.00000
593921.07	4129734.14	0.00000	593971.07	4129734.14	0.00000
594021.07	4129734.14	0.00000	594071.07	4129734.14	0.00000
594121.07	4129734.14	0.00000	594171.07	4129734.14	0.00000
594221.07	4129734.14	0.00000	594271.07	4129734.14	0.00000
594321.07	4129734.14	0.00000	594371.07	4129734.14	0.00000
594421.07	4129734.14	0.00000	594471.07	4129734.14	0.00000
594521.07	4129734.14	0.00000	594571.07	4129734.14	0.00000
594621.07	4129734.14	0.00000	594671.07	4129734.14	0.00000
594721.07	4129734.14	0.00000	594771.07	4129734.14	0.00000
594821.07	4129734.14	0.00000	593821.07	4129784.14	0.00000
593871.07	4129784.14	0.00000			

```
593921.07    4129784.14        0.00000
         593971.07    4129784.14        0.00000
594021.07    4129784.14        0.00000
         594071.07    4129784.14        0.00000
594121.07    4129784.14        0.00000
         594171.07    4129784.14        0.00000
594221.07    4129784.14        0.00000
         594271.07    4129784.14        0.00000
594321.07    4129784.14        0.00000
         594371.07    4129784.14        0.00000
594421.07    4129784.14        0.00000
         594471.07    4129784.14        0.00000
594521.07    4129784.14        0.00000
         594571.07    4129784.14        0.00000
594621.07    4129784.14        0.00000
         594671.07    4129784.14        0.00000
594721.07    4129784.14        0.00000
         594771.07    4129784.14        0.00000
594821.07    4129784.14        0.00000
         593821.07    4129834.14        0.00000
593871.07    4129834.14        0.00000
         593921.07    4129834.14        0.00000
593971.07    4129834.14        0.00000
         594021.07    4129834.14        0.00000
594071.07    4129834.14        0.00000
         594121.07    4129834.14        0.00000
594171.07    4129834.14        0.00000
         594221.07    4129834.14        0.00000
594271.07    4129834.14        0.00000
         594321.07    4129834.14        0.00000
594371.07    4129834.14        0.00000
         594421.07    4129834.14        0.00000
594471.07    4129834.14        0.00000
         594521.07    4129834.14        0.00000
594571.07    4129834.14        0.00000
         594621.07    4129834.14        0.00000
594671.07    4129834.14        0.00000
         594721.07    4129834.14        0.00000
594771.07    4129834.14        0.00000
         594821.07    4129834.14        0.00000
593821.07    4129884.14        0.00000
         593871.07    4129884.14        0.00000
593921.07    4129884.14        0.00000
         593971.07    4129884.14        0.00000
594021.07    4129884.14        0.00000
         594071.07    4129884.14        0.00000
594121.07    4129884.14        0.00000
         594171.07    4129884.14        0.00000
594221.07    4129884.14        0.00000
         594271.07    4129884.14        0.00000
594321.07    4129884.14        0.00000
         594371.07    4129884.14        0.00000
```

```
594421.07    4129884.14        0.00000
         594471.07    4129884.14        0.00000
594521.07    4129884.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_OF ***
INCLUDING SOURCE(S):
A0000061 , A0000062 , A0000063 , A0000064 , A0000065 ,
A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594571.07	4129884.14	0.00000	594621.07	4129884.14	0.00000
594671.07	4129884.14	0.00000	594721.07	4129884.14	0.00000
594771.07	4129884.14	0.00000	594821.07	4129884.14	0.00000
593821.07	4129934.14	0.00000	593871.07	4129934.14	0.00000
593921.07	4129934.14	0.00000	593971.07	4129934.14	0.00000
594021.07	4129934.14	0.00000	594071.07	4129934.14	0.00000
594121.07	4129934.14	0.00000	594171.07	4129934.14	0.00000
594221.07	4129934.14	0.00000	594271.07	4129934.14	0.00000
594321.07	4129934.14	0.00000	594371.07	4129934.14	0.00000
594421.07	4129934.14	0.00000	594471.07	4129934.14	0.00000
594521.07	4129934.14	0.00000	594571.07	4129934.14	0.00000
594621.07	4129934.14	0.00000	594671.07	4129934.14	0.00000
594721.07	4129934.14	0.00000			

```
594771.07    4129934.14        0.00000
         594821.07    4129934.14        0.00000
593821.07    4129984.14        0.00000
         593871.07    4129984.14        0.00000
593921.07    4129984.14        0.00000
         593971.07    4129984.14        0.00000
594021.07    4129984.14        0.00000
         594071.07    4129984.14        0.00000
594121.07    4129984.14        0.00000
         594171.07    4129984.14        0.00000
594221.07    4129984.14        0.00000
         594271.07    4129984.14        0.00000
594321.07    4129984.14        0.00000
         594371.07    4129984.14        0.00000
594421.07    4129984.14        0.00000
         594471.07    4129984.14        0.00000
594521.07    4129984.14        0.00000
         594571.07    4129984.14        0.00000
594621.07    4129984.14        0.00000
         594671.07    4129984.14        0.00000
594721.07    4129984.14        0.00000
         594771.07    4129984.14        0.00000
594821.07    4129984.14        0.00000
         593821.07    4130034.14        0.00000
593871.07    4130034.14        0.00000
         593921.07    4130034.14        0.00000
593971.07    4130034.14        0.00000
         594021.07    4130034.14        0.00000
594071.07    4130034.14        0.00000
         594121.07    4130034.14        0.00000
594171.07    4130034.14        0.00000
         594221.07    4130034.14        0.00000
594271.07    4130034.14        0.00000
         594321.07    4130034.14        0.00000
594371.07    4130034.14        0.00000
         594421.07    4130034.14        0.00000
594471.07    4130034.14        0.00000
         594521.07    4130034.14        0.00000
594571.07    4130034.14        0.00000
         594621.07    4130034.14        0.00000
594671.07    4130034.14        0.00000
         594721.07    4130034.14        0.00000
594771.07    4130034.14        0.00000
         594821.07    4130034.14        0.00000
593821.07    4130084.14        0.00000
         593871.07    4130084.14        0.00000
593921.07    4130084.14        0.00000
         593971.07    4130084.14        0.00000
594021.07    4130084.14        0.00000
         594071.07    4130084.14        0.00000
594121.07    4130084.14        0.00000
         594271.07    4130084.14        0.00000
```

```
594321.07    4130084.14        0.00000
         594371.07    4130084.14        0.00000
594421.07    4130084.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_OF ***
INCLUDING SOURCE(S):
A0000061 , A0000062 , A0000063 , A0000064 , A0000065 ,
A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130084.14	0.00000	594521.07	4130084.14	0.00000
594571.07	4130084.14	0.00000	594621.07	4130084.14	0.00000
594671.07	4130084.14	0.00000	594721.07	4130084.14	0.00000
594771.07	4130084.14	0.00000	594821.07	4130084.14	0.00000
593821.07	4130134.14	0.00000	593871.07	4130134.14	0.00000
593921.07	4130134.14	0.00000	593971.07	4130134.14	0.00000
594021.07	4130134.14	0.00000	594071.07	4130134.14	0.00000
594121.07	4130134.14	0.00000	594271.07	4130134.14	0.00000
594321.07	4130134.14	0.00000	594371.07	4130134.14	0.00000
594421.07	4130134.14	0.00000	594471.07	4130134.14	0.00000
594521.07	4130134.14	0.00000	594571.07	4130134.14	0.00000
594621.07	4130134.14	0.00000	594671.07	4130134.14	0.00000
594721.07	4130134.14	0.00000			

```
594771.07    4130134.14        0.00000
         594821.07    4130134.14        0.00000
593821.07    4130184.14        0.00000
         593871.07    4130184.14        0.00000
593921.07    4130184.14        0.00000
         593971.07    4130184.14        0.00000
594021.07    4130184.14        0.00000
         594071.07    4130184.14        0.00000
594121.07    4130184.14        0.00000
         594171.07    4130184.14        0.00000
594221.07    4130184.14        0.00000
         594271.07    4130184.14        0.00000
594321.07    4130184.14        0.00000
         594371.07    4130184.14        0.00000
594421.07    4130184.14        0.00000
         594471.07    4130184.14        0.00000
594521.07    4130184.14        0.00000
         594571.07    4130184.14        0.00000
594621.07    4130184.14        0.00000
         594671.07    4130184.14        0.00000
594721.07    4130184.14        0.00000
         594771.07    4130184.14        0.00000
594821.07    4130184.14        0.00000
         593821.07    4130234.14        0.00000
593871.07    4130234.14        0.00000
         593921.07    4130234.14        0.00000
593971.07    4130234.14        0.00000
         594021.07    4130234.14        0.00000
594071.07    4130234.14        0.00000
         594121.07    4130234.14        0.00000
594171.07    4130234.14        0.00000
         594221.07    4130234.14        0.00000
594371.07    4130234.14        0.00000
         594421.07    4130234.14        0.00000
594471.07    4130234.14        0.00000
         594521.07    4130234.14        0.00000
594571.07    4130234.14        0.00000
         594621.07    4130234.14        0.00000
594671.07    4130234.14        0.00000
         594721.07    4130234.14        0.00000
594771.07    4130234.14        0.00000
         594821.07    4130234.14        0.00000
593821.07    4130284.14        0.00000
         593871.07    4130284.14        0.00000
593921.07    4130284.14        0.00000
         593971.07    4130284.14        0.00000
594021.07    4130284.14        0.00000
         594071.07    4130284.14        0.00000
594121.07    4130284.14        0.00000
         594171.07    4130284.14        0.00000
594221.07    4130284.14        0.00000
         594271.07    4130284.14        0.00000
```

```
594321.07    4130284.14        0.00000
         594371.07    4130284.14        0.00000
594421.07    4130284.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_OF ***
INCLUDING SOURCE(S):
A0000061 , A0000062 , A0000063 , A0000064 , A0000065 ,
A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594471.07	4130284.14	0.00000	594521.07	4130284.14	0.00000
594571.07	4130284.14	0.00000	594621.07	4130284.14	0.00000
594671.07	4130284.14	0.00000	594721.07	4130284.14	0.00000
594771.07	4130284.14	0.00000	594821.07	4130284.14	0.00000
593821.07	4130334.14	0.00000	593871.07	4130334.14	0.00000
593921.07	4130334.14	0.00000	593971.07	4130334.14	0.00000
594021.07	4130334.14	0.00000	594071.07	4130334.14	0.00000
594121.07	4130334.14	0.00000	594171.07	4130334.14	0.00000
594221.07	4130334.14	0.00000	594271.07	4130334.14	0.00000
594321.07	4130334.14	0.00000	594371.07	4130334.14	0.00000
594421.07	4130334.14	0.00000	594471.07	4130334.14	0.00000
594521.07	4130334.14	0.00000	594571.07	4130334.14	0.00000
594621.07	4130334.14	0.00000			

```
594671.07    4130334.14        0.00000
         594721.07    4130334.14        0.00000
594771.07    4130334.14        0.00000
         594821.07    4130334.14        0.00000
593821.07    4130384.14        0.00000
         593871.07    4130384.14        0.00000
593921.07    4130384.14        0.00000
         593971.07    4130384.14        0.00000
594021.07    4130384.14        0.00000
         594071.07    4130384.14        0.00000
594121.07    4130384.14        0.00000
         594171.07    4130384.14        0.00000
594221.07    4130384.14        0.00000
         594271.07    4130384.14        0.00000
594321.07    4130384.14        0.00000
         594371.07    4130384.14        0.00000
594421.07    4130384.14        0.00000
         594471.07    4130384.14        0.00000
594521.07    4130384.14        0.00000
         594571.07    4130384.14        0.00000
594621.07    4130384.14        0.00000
         594671.07    4130384.14        0.00000
594721.07    4130384.14        0.00000
         594771.07    4130384.14        0.00000
594821.07    4130384.14        0.00000
         593821.07    4130434.14        0.00000
593871.07    4130434.14        0.00000
         593921.07    4130434.14        0.00000
593971.07    4130434.14        0.00000
         594021.07    4130434.14        0.00000
594071.07    4130434.14        0.00000
         594121.07    4130434.14        0.00000
594171.07    4130434.14        0.00000
         594221.07    4130434.14        0.00000
594271.07    4130434.14        0.00000
         594321.07    4130434.14        0.00000
594371.07    4130434.14        0.00000
         594421.07    4130434.14        0.00000
594471.07    4130434.14        0.00000
         594521.07    4130434.14        0.00000
594571.07    4130434.14        0.00000
         594621.07    4130434.14        0.00000
594671.07    4130434.14        0.00000
         594721.07    4130434.14        0.00000
594771.07    4130434.14        0.00000
         594821.07    4130434.14        0.00000
593821.07    4130484.14        0.00000
         593871.07    4130484.14        0.00000
593921.07    4130484.14        0.00000
         593971.07    4130484.14        0.00000
594021.07    4130484.14        0.00000
         594071.07    4130484.14        0.00000
```

```
594121.07    4130484.14        0.00000
         594171.07    4130484.14        0.00000
594221.07    4130484.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_OF ***
INCLUDING SOURCE(S):
A0000061 , A0000062 , A0000063 , A0000064 , A0000065 ,
A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594271.07	4130484.14	0.00000	594321.07	4130484.14	0.00000
594371.07	4130484.14	0.00000	594421.07	4130484.14	0.00000
594471.07	4130484.14	0.00000	594521.07	4130484.14	0.00000
594571.07	4130484.14	0.00000	594621.07	4130484.14	0.00000
594671.07	4130484.14	0.00000	594721.07	4130484.14	0.00000
594771.07	4130484.14	0.00000	594821.07	4130484.14	0.00000
593821.07	4130534.14	0.00000	593871.07	4130534.14	0.00000
593921.07	4130534.14	0.00000	593971.07	4130534.14	0.00000
594021.07	4130534.14	0.00000	594071.07	4130534.14	0.00000
594121.07	4130534.14	0.00000	594171.07	4130534.14	0.00000
594221.07	4130534.14	0.00000	594271.07	4130534.14	0.00000
594321.07	4130534.14	0.00000	594371.07	4130534.14	0.00000
594421.07	4130534.14	0.00000			

```
594471.07    4130534.14        0.00000
         594521.07    4130534.14        0.00000
594571.07    4130534.14        0.00000
         594621.07    4130534.14        0.00000
594671.07    4130534.14        0.00000
         594721.07    4130534.14        0.00000
594771.07    4130534.14        0.00000
         594821.07    4130534.14        0.00000
593821.07    4130584.14        0.00000
         593871.07    4130584.14        0.00000
593921.07    4130584.14        0.00000
         593971.07    4130584.14        0.00000
594021.07    4130584.14        0.00000
         594071.07    4130584.14        0.00000
594121.07    4130584.14        0.00000
         594171.07    4130584.14        0.00000
594221.07    4130584.14        0.00000
         594271.07    4130584.14        0.00000
594321.07    4130584.14        0.00000
         594371.07    4130584.14        0.00000
594421.07    4130584.14        0.00000
         594471.07    4130584.14        0.00000
594521.07    4130584.14        0.00000
         594571.07    4130584.14        0.00000
594621.07    4130584.14        0.00000
         594671.07    4130584.14        0.00000
594721.07    4130584.14        0.00000
         594771.07    4130584.14        0.00000
594821.07    4130584.14        0.00000
         593821.07    4130634.14        0.00000
593871.07    4130634.14        0.00000
         593921.07    4130634.14        0.00000
593971.07    4130634.14        0.00000
         594021.07    4130634.14        0.00000
594071.07    4130634.14        0.00000
         594121.07    4130634.14        0.00000
594171.07    4130634.14        0.00000
         594221.07    4130634.14        0.00000
594271.07    4130634.14        0.00000
         594321.07    4130634.14        0.00000
594371.07    4130634.14        0.00000
         594421.07    4130634.14        0.00000
594471.07    4130634.14        0.00000
         594521.07    4130634.14        0.00000
594571.07    4130634.14        0.00000
         594621.07    4130634.14        0.00000
594671.07    4130634.14        0.00000
         594721.07    4130634.14        0.00000
594771.07    4130634.14        0.00000
         594821.07    4130634.14        0.00000
593821.07    4130684.14        0.00000
         593871.07    4130684.14        0.00000
```

```
593921.07    4130684.14        0.00000
         593971.07    4130684.14        0.00000
594021.07    4130684.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: Y3_DL_OF ***
INCLUDING SOURCE(S):
A0000061 , A0000062 , A0000063 , A0000064 , A0000065 ,
A0000066 , A0000067 , A0000068 , A0000069 , A0000070 , A0000071 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
594071.07	4130684.14	0.00000	594121.07	4130684.14	0.00000
594171.07	4130684.14	0.00000	594221.07	4130684.14	0.00000
594271.07	4130684.14	0.00000	594321.07	4130684.14	0.00000
594371.07	4130684.14	0.00000	594421.07	4130684.14	0.00000
594471.07	4130684.14	0.00000	594521.07	4130684.14	0.00000
594571.07	4130684.14	0.00000	594621.07	4130684.14	0.00000
594671.07	4130684.14	0.00000	594721.07	4130684.14	0.00000
594771.07	4130684.14	0.00000	594821.07	4130684.14	0.00000
593821.07	4130734.14	0.00000	593871.07	4130734.14	0.00000
593921.07	4130734.14	0.00000	593971.07	4130734.14	0.00000
594021.07	4130734.14	0.00000	594071.07	4130734.14	0.00000
594121.07	4130734.14	0.00000	594171.07	4130734.14	0.00000
594221.07	4130734.14	0.00000			

```
594271.07    4130734.14        0.00000
         594321.07    4130734.14        0.00000
594371.07    4130734.14        0.00000
         594421.07    4130734.14        0.00000
594471.07    4130734.14        0.00000
         594521.07    4130734.14        0.00000
594571.07    4130734.14        0.00000
         594621.07    4130734.14        0.00000
594671.07    4130734.14        0.00000
         594721.07    4130734.14        0.00000
594771.07    4130734.14        0.00000
         594821.07    4130734.14        0.00000
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1_ALL	1ST HIGHEST VALUE IS	0.29129 AT (594371.07, 4130184.14, 45.12, 45.12, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.26544 AT (594271.07, 4130084.14, 46.76, 46.76, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.24565 AT (594321.07, 4130184.14, 45.24, 45.24, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.21681 AT (594371.07, 4130234.14, 44.78, 44.78, 1.80)	DC	
	5TH HIGHEST VALUE IS	0.16698 AT (594271.07, 4130134.14, 46.20, 46.20, 1.80)	DC	
	6TH HIGHEST VALUE IS	0.16048 AT (594421.07, 4130184.14, 46.45, 46.45, 1.80)	DC	
	7TH HIGHEST VALUE IS	0.14687 AT (594271.07, 4130034.14, 45.73, 45.73, 1.80)	DC	
	8TH HIGHEST VALUE IS	0.13199 AT (594321.07, 4130084.14, 46.47, 46.47, 1.80)	DC	
	9TH HIGHEST VALUE IS	0.12684 AT (594171.07, 4130184.14, 45.78, 45.78, 1.80)	DC	
	10TH HIGHEST VALUE IS	0.12392 AT (594321.07, 4130034.14, 45.96, 45.96, 1.80)	DC	
Y1_B_ON	1ST HIGHEST VALUE IS	0.27743 AT (594371.07, 4130184.14, 45.12, 45.12, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.22409 AT (594321.07, 4130184.14, 45.24, 45.24, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.20667 AT (594371.07, 4130234.14, 44.78, 44.78, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.15112 AT (594421.07, 4130184.14, 46.45, 46.45, 1.80)	DC	

```
          5TH HIGHEST VALUE IS       0.10022 AT (  594421.07,
4130134.14,    46.51,    46.51,    1.80)  DC
          6TH HIGHEST VALUE IS       0.09810 AT (  594271.07,
4130284.14,    44.66,    44.66,    1.80)  DC
          7TH HIGHEST VALUE IS       0.08898 AT (  594371.07,
4130134.14,    45.42,    45.42,    1.80)  DC
          8TH HIGHEST VALUE IS       0.08459 AT (  594321.07,
4130284.14,    44.74,    44.74,    1.80)  DC
          9TH HIGHEST VALUE IS       0.07710 AT (  594471.07,
4130134.14,    45.84,    45.84,    1.80)  DC
         10TH HIGHEST VALUE IS       0.07586 AT (  594421.07,
4130234.14,    46.00,    46.00,    1.80)  DC

Y1_B_OFF  1ST HIGHEST VALUE IS       0.00014 AT (  594271.07,
4130284.14,    44.66,    44.66,    1.80)  DC
          2ND HIGHEST VALUE IS       0.00013 AT (  594271.07,
4130334.14,    43.67,    43.67,    1.80)  DC
          3RD HIGHEST VALUE IS       0.00012 AT (  594321.07,
4130434.14,    43.78,    43.78,    1.80)  DC
          4TH HIGHEST VALUE IS       0.00012 AT (  594371.07,
4130434.14,    43.13,    43.13,    1.80)  DC
          5TH HIGHEST VALUE IS       0.00012 AT (  594421.07,
4130434.14,    43.29,    43.29,    1.80)  DC
          6TH HIGHEST VALUE IS       0.00012 AT (  594471.07,
4130434.14,    43.26,    43.26,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00012 AT (  594521.07,
4130434.14,    43.20,    43.20,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00011 AT (  594571.07,
4130434.14,    42.94,    42.94,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00011 AT (  594621.07,
4130434.14,    43.09,    43.09,    1.80)  DC
         10TH HIGHEST VALUE IS       0.00010 AT (  594321.07,
4130384.14,    43.70,    43.70,    1.80)  DC

Y1_P_ON   1ST HIGHEST VALUE IS       0.26004 AT (  594271.07,
4130084.14,    46.76,    46.76,    1.80)  DC
          2ND HIGHEST VALUE IS       0.15476 AT (  594271.07,
4130134.14,    46.20,    46.20,    1.80)  DC
          3RD HIGHEST VALUE IS       0.14355 AT (  594271.07,
4130034.14,    45.73,    45.73,    1.80)  DC
          4TH HIGHEST VALUE IS       0.11939 AT (  594321.07,
4130084.14,    46.47,    46.47,    1.80)  DC
          5TH HIGHEST VALUE IS       0.11894 AT (  594171.07,
4130184.14,    45.78,    45.78,    1.80)  DC
          6TH HIGHEST VALUE IS       0.11780 AT (  594321.07,
4130034.14,    45.96,    45.96,    1.80)  DC
          7TH HIGHEST VALUE IS       0.08474 AT (  594221.07,
4130034.14,    46.36,    46.36,    1.80)  DC
          8TH HIGHEST VALUE IS       0.08374 AT (  594121.07,
4130184.14,    46.21,    46.21,    1.80)  DC
          9TH HIGHEST VALUE IS       0.07583 AT (  594371.07,
4130034.14,    46.15,    46.15,    1.80)  DC
```

```
         10TH HIGHEST VALUE IS       0.07533 AT (  594121.07,
4130134.14,    46.08,    46.08,    1.80)  DC
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y1_P_OFF	1ST HIGHEST VALUE IS	0.00004 AT (594271.07, 4130284.14, 44.66, 44.66, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.00004 AT (594271.07, 4130184.14, 45.53, 45.53, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.00004 AT (594271.07, 4130334.14, 43.67, 43.67, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.00004 AT (594271.07, 4130134.14, 46.20, 46.20, 1.80)	DC	
	5TH HIGHEST VALUE IS	0.00004 AT (594321.07, 4130434.14, 43.78, 43.78, 1.80)	DC	
	6TH HIGHEST VALUE IS	0.00004 AT (594371.07, 4130434.14, 43.13, 43.13, 1.80)	DC	
	7TH HIGHEST VALUE IS	0.00004 AT (594421.07, 4130434.14, 43.29, 43.29, 1.80)	DC	
	8TH HIGHEST VALUE IS	0.00004 AT (594471.07, 4130434.14, 43.26, 43.26, 1.80)	DC	
	9TH HIGHEST VALUE IS	0.00003 AT (594521.07, 4130434.14, 43.20, 43.20, 1.80)	DC	
	10TH HIGHEST VALUE IS	0.00003 AT (594571.07, 4130434.14, 42.94, 42.94, 1.80)	DC	
Y1_ON	1ST HIGHEST VALUE IS	0.29124 AT (594371.07, 4130184.14, 45.12, 45.12, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.26541 AT (594271.07, 4130084.14, 46.76, 46.76, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.24556 AT (594321.07, 4130184.14, 45.24, 45.24, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.21675 AT (594371.07, 4130234.14, 44.78, 44.78, 1.80)	DC	

```
          5TH HIGHEST VALUE IS       0.16693 AT (  594271.07,
4130134.14,    46.20,    46.20,    1.80)  DC
          6TH HIGHEST VALUE IS       0.16044 AT (  594421.07,
4130184.14,    46.45,    46.45,    1.80)  DC
          7TH HIGHEST VALUE IS       0.14687 AT (  594271.07,
4130034.14,    45.73,    45.73,    1.80)  DC
          8TH HIGHEST VALUE IS       0.13196 AT (  594321.07,
4130084.14,    46.47,    46.47,    1.80)  DC
          9TH HIGHEST VALUE IS       0.12683 AT (  594171.07,
4130184.14,    45.78,    45.78,    1.80)  DC
         10TH HIGHEST VALUE IS       0.12391 AT (  594321.07,
4130034.14,    45.96,    45.96,    1.80)  DC

Y1_OFF    1ST HIGHEST VALUE IS       0.00018 AT (  594271.07,
4130284.14,    44.66,    44.66,    1.80)  DC
          2ND HIGHEST VALUE IS       0.00017 AT (  594271.07,
4130334.14,    43.67,    43.67,    1.80)  DC
          3RD HIGHEST VALUE IS       0.00016 AT (  594321.07,
4130434.14,    43.78,    43.78,    1.80)  DC
          4TH HIGHEST VALUE IS       0.00016 AT (  594371.07,
4130434.14,    43.13,    43.13,    1.80)  DC
          5TH HIGHEST VALUE IS       0.00016 AT (  594421.07,
4130434.14,    43.29,    43.29,    1.80)  DC
          6TH HIGHEST VALUE IS       0.00015 AT (  594471.07,
4130434.14,    43.26,    43.26,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00015 AT (  594521.07,
4130434.14,    43.20,    43.20,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00015 AT (  594571.07,
4130434.14,    42.94,    42.94,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00014 AT (  594621.07,
4130434.14,    43.09,    43.09,    1.80)  DC
         10TH HIGHEST VALUE IS       0.00014 AT (  594321.07,
4130384.14,    43.70,    43.70,    1.80)  DC

Y2_ALL    1ST HIGHEST VALUE IS       0.55981 AT (  594371.07,
4130184.14,    45.12,    45.12,    1.80)  DC
          2ND HIGHEST VALUE IS       0.43502 AT (  594321.07,
4130184.14,    45.24,    45.24,    1.80)  DC
          3RD HIGHEST VALUE IS       0.38390 AT (  594371.07,
4130234.14,    44.78,    44.78,    1.80)  DC
          4TH HIGHEST VALUE IS       0.29134 AT (  594421.07,
4130184.14,    46.45,    46.45,    1.80)  DC
          5TH HIGHEST VALUE IS       0.28337 AT (  594271.07,
4130084.14,    46.76,    46.76,    1.80)  DC
          6TH HIGHEST VALUE IS       0.23211 AT (  594421.07,
4130134.14,    46.51,    46.51,    1.80)  DC
          7TH HIGHEST VALUE IS       0.21061 AT (  594271.07,
4130284.14,    44.66,    44.66,    1.80)  DC
          8TH HIGHEST VALUE IS       0.20800 AT (  594371.07,
4130134.14,    45.42,    45.42,    1.80)  DC
          9TH HIGHEST VALUE IS       0.19078 AT (  594271.07,
4130134.14,    46.20,    46.20,    1.80)  DC
```

```
         10TH HIGHEST VALUE IS       0.17480 AT (  594321.07,
4130284.14,    44.74,    44.74,    1.80)  DC
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2_B_ON	1ST HIGHEST VALUE IS	0.47546 AT (594371.07, 4130184.14, 45.12, 45.12, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.38544 AT (594321.07, 4130184.14, 45.24, 45.24, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.36293 AT (594371.07, 4130234.14, 44.78, 44.78, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.26014 AT (594421.07, 4130184.14, 46.45, 46.45, 1.80)	DC	
	5TH HIGHEST VALUE IS	0.19159 AT (594271.07, 4130284.14, 44.66, 44.66, 1.80)	DC	
	6TH HIGHEST VALUE IS	0.17284 AT (594421.07, 4130134.14, 46.51, 46.51, 1.80)	DC	
	7TH HIGHEST VALUE IS	0.15893 AT (594321.07, 4130284.14, 44.74, 44.74, 1.80)	DC	
	8TH HIGHEST VALUE IS	0.15325 AT (594371.07, 4130134.14, 45.42, 45.42, 1.80)	DC	
	9TH HIGHEST VALUE IS	0.13641 AT (594421.07, 4130234.14, 46.00, 46.00, 1.80)	DC	
	10TH HIGHEST VALUE IS	0.13259 AT (594471.07, 4130134.14, 45.84, 45.84, 1.80)	DC	
Y2_BT_OF	1ST HIGHEST VALUE IS	0.00006 AT (594271.07, 4130284.14, 44.66, 44.66, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.00006 AT (594271.07, 4130334.14, 43.67, 43.67, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.00006 AT (594321.07, 4130434.14, 43.78, 43.78, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.00006 AT (594371.07, 4130434.14, 43.13, 43.13, 1.80)	DC	

```
          5TH HIGHEST VALUE IS       0.00005 AT (  594421.07,
4130434.14,    43.29,    43.29,    1.80)  DC
          6TH HIGHEST VALUE IS       0.00005 AT (  594471.07,
4130434.14,    43.26,    43.26,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00005 AT (  594521.07,
4130434.14,    43.20,    43.20,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00005 AT (  594571.07,
4130434.14,    42.94,    42.94,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00005 AT (  594421.07,
4130484.14,    42.65,    42.65,    1.80)  DC
         10TH HIGHEST VALUE IS       0.00005 AT (  594471.07,
4130484.14,    42.64,    42.64,    1.80)  DC

Y2_P_ON   1ST HIGHEST VALUE IS       0.47546 AT (  594371.07,
4130184.14,    45.12,    45.12,    1.80)  DC
          2ND HIGHEST VALUE IS       0.38544 AT (  594321.07,
4130184.14,    45.24,    45.24,    1.80)  DC
          3RD HIGHEST VALUE IS       0.36293 AT (  594371.07,
4130234.14,    44.78,    44.78,    1.80)  DC
          4TH HIGHEST VALUE IS       0.26014 AT (  594421.07,
4130184.14,    46.45,    46.45,    1.80)  DC
          5TH HIGHEST VALUE IS       0.19159 AT (  594271.07,
4130284.14,    44.66,    44.66,    1.80)  DC
          6TH HIGHEST VALUE IS       0.17284 AT (  594421.07,
4130134.14,    46.51,    46.51,    1.80)  DC
          7TH HIGHEST VALUE IS       0.15893 AT (  594321.07,
4130284.14,    44.74,    44.74,    1.80)  DC
          8TH HIGHEST VALUE IS       0.15325 AT (  594371.07,
4130134.14,    45.42,    45.42,    1.80)  DC
          9TH HIGHEST VALUE IS       0.13641 AT (  594421.07,
4130234.14,    46.00,    46.00,    1.80)  DC
         10TH HIGHEST VALUE IS       0.13259 AT (  594471.07,
4130134.14,    45.84,    45.84,    1.80)  DC

Y2_P_OFF  1ST HIGHEST VALUE IS       0.00006 AT (  594271.07,
4130284.14,    44.66,    44.66,    1.80)  DC
          2ND HIGHEST VALUE IS       0.00006 AT (  594271.07,
4130184.14,    45.53,    45.53,    1.80)  DC
          3RD HIGHEST VALUE IS       0.00006 AT (  594271.07,
4130334.14,    43.67,    43.67,    1.80)  DC
          4TH HIGHEST VALUE IS       0.00006 AT (  594271.07,
4130134.14,    46.20,    46.20,    1.80)  DC
          5TH HIGHEST VALUE IS       0.00006 AT (  594321.07,
4130434.14,    43.78,    43.78,    1.80)  DC
          6TH HIGHEST VALUE IS       0.00005 AT (  594371.07,
4130434.14,    43.13,    43.13,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00005 AT (  594421.07,
4130434.14,    43.29,    43.29,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00005 AT (  594471.07,
4130434.14,    43.26,    43.26,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00005 AT (  594521.07,
4130434.14,    43.20,    43.20,    1.80)  DC
```

```
         10TH HIGHEST VALUE IS       0.00005 AT (  594571.07,
4130434.14,    42.94,    42.94,    1.80)  DC
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y2_T_ON	1ST HIGHEST VALUE IS	0.06845 AT (594371.07, 4130184.14, 45.12, 45.12, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.04153 AT (594421.07, 4130134.14, 46.51, 46.51, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.02496 AT (594321.07, 4130184.14, 45.24, 45.24, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.02470 AT (594371.07, 4130134.14, 45.42, 45.42, 1.80)	DC	
	5TH HIGHEST VALUE IS	0.02043 AT (594421.07, 4130184.14, 46.45, 46.45, 1.80)	DC	
	6TH HIGHEST VALUE IS	0.01915 AT (594471.07, 4130134.14, 45.84, 45.84, 1.80)	DC	
	7TH HIGHEST VALUE IS	0.01402 AT (594471.07, 4130084.14, 46.08, 46.08, 1.80)	DC	
	8TH HIGHEST VALUE IS	0.01188 AT (594421.07, 4130084.14, 45.76, 45.76, 1.80)	DC	
	9TH HIGHEST VALUE IS	0.01021 AT (594521.07, 4130084.14, 46.63, 46.63, 1.80)	DC	
	10TH HIGHEST VALUE IS	0.00964 AT (594371.07, 4130234.14, 44.78, 44.78, 1.80)	DC	
Y2_ON	1ST HIGHEST VALUE IS	0.55977 AT (594371.07, 4130184.14, 45.12, 45.12, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.43496 AT (594321.07, 4130184.14, 45.24, 45.24, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.38385 AT (594371.07, 4130234.14, 44.78, 44.78, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.29131 AT (594421.07, 4130184.14, 46.45, 46.45, 1.80)	DC	

```
          5TH HIGHEST VALUE IS       0.28332 AT (  594271.07,
4130084.14,    46.76,    46.76,    1.80)  DC
          6TH HIGHEST VALUE IS       0.23208 AT (  594421.07,
4130134.14,    46.51,    46.51,    1.80)  DC
          7TH HIGHEST VALUE IS       0.21048 AT (  594271.07,
4130284.14,    44.66,    44.66,    1.80)  DC
          8TH HIGHEST VALUE IS       0.20797 AT (  594371.07,
4130134.14,    45.42,    45.42,    1.80)  DC
          9TH HIGHEST VALUE IS       0.19072 AT (  594271.07,
4130134.14,    46.20,    46.20,    1.80)  DC
         10TH HIGHEST VALUE IS       0.17474 AT (  594321.07,
4130284.14,    44.74,    44.74,    1.80)  DC

Y2_OFF    1ST HIGHEST VALUE IS       0.00013 AT (  594271.07,
4130284.14,    44.66,    44.66,    1.80)  DC
          2ND HIGHEST VALUE IS       0.00012 AT (  594271.07,
4130334.14,    43.67,    43.67,    1.80)  DC
          3RD HIGHEST VALUE IS       0.00011 AT (  594321.07,
4130434.14,    43.78,    43.78,    1.80)  DC
          4TH HIGHEST VALUE IS       0.00011 AT (  594371.07,
4130434.14,    43.13,    43.13,    1.80)  DC
          5TH HIGHEST VALUE IS       0.00011 AT (  594421.07,
4130434.14,    43.29,    43.29,    1.80)  DC
          6TH HIGHEST VALUE IS       0.00011 AT (  594471.07,
4130434.14,    43.26,    43.26,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00010 AT (  594521.07,
4130434.14,    43.20,    43.20,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00010 AT (  594271.07,
4130184.14,    45.53,    45.53,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00010 AT (  594571.07,
4130434.14,    42.94,    42.94,    1.80)  DC
         10TH HIGHEST VALUE IS       0.00010 AT (  594421.07,
4130484.14,    42.65,    42.65,    1.80)  DC

Y3_ALL    1ST HIGHEST VALUE IS       0.12270 AT (  594371.07,
4130184.14,    45.12,    45.12,    1.80)  DC
          2ND HIGHEST VALUE IS       0.09224 AT (  594321.07,
4130184.14,    45.24,    45.24,    1.80)  DC
          3RD HIGHEST VALUE IS       0.08131 AT (  594371.07,
4130234.14,    44.78,    44.78,    1.80)  DC
          4TH HIGHEST VALUE IS       0.06203 AT (  594421.07,
4130184.14,    46.45,    46.45,    1.80)  DC
          5TH HIGHEST VALUE IS       0.04871 AT (  594421.07,
4130134.14,    46.51,    46.51,    1.80)  DC
          6TH HIGHEST VALUE IS       0.04080 AT (  594271.07,
4130284.14,    44.66,    44.66,    1.80)  DC
          7TH HIGHEST VALUE IS       0.04030 AT (  594371.07,
4130134.14,    45.42,    45.42,    1.80)  DC
          8TH HIGHEST VALUE IS       0.03401 AT (  594471.07,
4130134.14,    45.84,    45.84,    1.80)  DC
          9TH HIGHEST VALUE IS       0.03394 AT (  594321.07,
4130284.14,    44.74,    44.74,    1.80)  DC
```

```
         10TH HIGHEST VALUE IS       0.02987 AT (  594421.07,
4130234.14,    46.00,    46.00,    1.80)  DC
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y3_B_ON	1ST HIGHEST VALUE IS	0.10603 AT (594371.07, 4130184.14, 45.12, 45.12, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.08615 AT (594321.07, 4130184.14, 45.24, 45.24, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.07888 AT (594371.07, 4130234.14, 44.78, 44.78, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.05706 AT (594421.07, 4130184.14, 46.45, 46.45, 1.80)	DC	
	5TH HIGHEST VALUE IS	0.03903 AT (594271.07, 4130284.14, 44.66, 44.66, 1.80)	DC	
	6TH HIGHEST VALUE IS	0.03821 AT (594421.07, 4130134.14, 46.51, 46.51, 1.80)	DC	
	7TH HIGHEST VALUE IS	0.03372 AT (594371.07, 4130134.14, 45.42, 45.42, 1.80)	DC	
	8TH HIGHEST VALUE IS	0.03232 AT (594321.07, 4130284.14, 44.74, 44.74, 1.80)	DC	
	9TH HIGHEST VALUE IS	0.02911 AT (594471.07, 4130134.14, 45.84, 45.84, 1.80)	DC	
	10TH HIGHEST VALUE IS	0.02855 AT (594421.07, 4130234.14, 46.00, 46.00, 1.80)	DC	
Y3_BT_OF	1ST HIGHEST VALUE IS	0.00002 AT (594271.07, 4130284.14, 44.66, 44.66, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.00002 AT (594271.07, 4130334.14, 43.67, 43.67, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.00002 AT (594321.07, 4130434.14, 43.78, 43.78, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.00002 AT (594371.07, 4130434.14, 43.13, 43.13, 1.80)	DC	

```
          5TH HIGHEST VALUE IS       0.00002 AT (  594421.07,
4130434.14,    43.29,    43.29,    1.80)  DC
          6TH HIGHEST VALUE IS       0.00002 AT (  594471.07,
4130434.14,    43.26,    43.26,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00002 AT (  594521.07,
4130434.14,    43.20,    43.20,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00002 AT (  594571.07,
4130434.14,    42.94,    42.94,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00002 AT (  594621.07,
4130434.14,    43.09,    43.09,    1.80)  DC
         10TH HIGHEST VALUE IS       0.00002 AT (  594471.07,
4130484.14,    42.64,    42.64,    1.80)  DC

Y3_T_ON   1ST HIGHEST VALUE IS       0.01620 AT (  594371.07,
4130184.14,    45.12,    45.12,    1.80)  DC
          2ND HIGHEST VALUE IS       0.00987 AT (  594421.07,
4130134.14,    46.51,    46.51,    1.80)  DC
          3RD HIGHEST VALUE IS       0.00584 AT (  594371.07,
4130134.14,    45.42,    45.42,    1.80)  DC
          4TH HIGHEST VALUE IS       0.00560 AT (  594321.07,
4130184.14,    45.24,    45.24,    1.80)  DC
          5TH HIGHEST VALUE IS       0.00457 AT (  594421.07,
4130184.14,    46.45,    46.45,    1.80)  DC
          6TH HIGHEST VALUE IS       0.00446 AT (  594471.07,
4130134.14,    45.84,    45.84,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00330 AT (  594471.07,
4130084.14,    46.08,    46.08,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00278 AT (  594421.07,
4130084.14,    45.76,    45.76,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00238 AT (  594521.07,
4130084.14,    46.63,    46.63,    1.80)  DC
         10TH HIGHEST VALUE IS       0.00209 AT (  594371.07,
4130234.14,    44.78,    44.78,    1.80)  DC

Y3_ON     1ST HIGHEST VALUE IS       0.12270 AT (  594371.07,
4130184.14,    45.12,    45.12,    1.80)  DC
          2ND HIGHEST VALUE IS       0.09223 AT (  594321.07,
4130184.14,    45.24,    45.24,    1.80)  DC
          3RD HIGHEST VALUE IS       0.08130 AT (  594371.07,
4130234.14,    44.78,    44.78,    1.80)  DC
          4TH HIGHEST VALUE IS       0.06203 AT (  594421.07,
4130184.14,    46.45,    46.45,    1.80)  DC
          5TH HIGHEST VALUE IS       0.04870 AT (  594421.07,
4130134.14,    46.51,    46.51,    1.80)  DC
          6TH HIGHEST VALUE IS       0.04077 AT (  594271.07,
4130284.14,    44.66,    44.66,    1.80)  DC
          7TH HIGHEST VALUE IS       0.04030 AT (  594371.07,
4130134.14,    45.42,    45.42,    1.80)  DC
          8TH HIGHEST VALUE IS       0.03400 AT (  594471.07,
4130134.14,    45.84,    45.84,    1.80)  DC
          9TH HIGHEST VALUE IS       0.03393 AT (  594321.07,
4130284.14,    44.74,    44.74,    1.80)  DC
```

```
         10TH HIGHEST VALUE IS       0.02986 AT (  594421.07,
4130234.14,    46.00,    46.00,    1.80)  DC
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL RURAL ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
Y3_OFF	1ST HIGHEST VALUE IS	0.00002 AT (594271.07, 4130284.14, 44.66, 44.66, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.00002 AT (594271.07, 4130334.14, 43.67, 43.67, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.00002 AT (594321.07, 4130434.14, 43.78, 43.78, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.00002 AT (594371.07, 4130434.14, 43.13, 43.13, 1.80)	DC	
	5TH HIGHEST VALUE IS	0.00002 AT (594421.07, 4130434.14, 43.29, 43.29, 1.80)	DC	
	6TH HIGHEST VALUE IS	0.00002 AT (594471.07, 4130434.14, 43.26, 43.26, 1.80)	DC	
	7TH HIGHEST VALUE IS	0.00002 AT (594521.07, 4130434.14, 43.20, 43.20, 1.80)	DC	
	8TH HIGHEST VALUE IS	0.00002 AT (594571.07, 4130434.14, 42.94, 42.94, 1.80)	DC	
	9TH HIGHEST VALUE IS	0.00002 AT (594621.07, 4130434.14, 43.09, 43.09, 1.80)	DC	
	10TH HIGHEST VALUE IS	0.00002 AT (594471.07, 4130484.14, 42.64, 42.64, 1.80)	DC	
Y3_DL_ON	1ST HIGHEST VALUE IS	0.01822 AT (594471.07, 4129934.14, 46.70, 46.70, 1.80)	DC	
	2ND HIGHEST VALUE IS	0.00893 AT (594521.07, 4129934.14, 46.79, 46.79, 1.80)	DC	
	3RD HIGHEST VALUE IS	0.00853 AT (594421.07, 4129984.14, 46.77, 46.77, 1.80)	DC	
	4TH HIGHEST VALUE IS	0.00793 AT (594521.07, 4129884.14, 46.85, 46.85, 1.80)	DC	

```
          5TH HIGHEST VALUE IS       0.00743 AT (  594421.07,
4129934.14,    46.82,    46.82,    1.80)  DC
          6TH HIGHEST VALUE IS       0.00635 AT (  594471.07,
4129884.14,    46.82,    46.82,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00553 AT (  594471.07,
4129984.14,    46.78,    46.78,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00490 AT (  594571.07,
4129884.14,    47.02,    47.02,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00487 AT (  594371.07,
4129984.14,    46.75,    46.75,    1.80)  DC
         10TH HIGHEST VALUE IS       0.00330 AT (  594571.07,
4129934.14,    46.88,    46.88,    1.80)  DC

Y3_DL_OF  1ST HIGHEST VALUE IS       0.00000 AT (  594621.07,
4129884.14,    47.32,    47.32,    1.80)  DC
          2ND HIGHEST VALUE IS       0.00000 AT (  594671.07,
4129884.14,    47.17,    47.17,    1.80)  DC
          3RD HIGHEST VALUE IS       0.00000 AT (  594571.07,
4129884.14,    47.02,    47.02,    1.80)  DC
          4TH HIGHEST VALUE IS       0.00000 AT (  594521.07,
4129884.14,    46.85,    46.85,    1.80)  DC
          5TH HIGHEST VALUE IS       0.00000 AT (  594671.07,
4130184.14,    44.56,    44.56,    1.80)  DC
          6TH HIGHEST VALUE IS       0.00000 AT (  594671.07,
4130284.14,    43.83,    43.83,    1.80)  DC
          7TH HIGHEST VALUE IS       0.00000 AT (  594671.07,
4130084.14,    45.40,    45.40,    1.80)  DC
          8TH HIGHEST VALUE IS       0.00000 AT (  594671.07,
4129934.14,    46.66,    46.66,    1.80)  DC
          9TH HIGHEST VALUE IS       0.00000 AT (  594671.07,
4130134.14,    45.02,    45.02,    1.80)  DC
         10TH HIGHEST VALUE IS       0.00000 AT (  594671.07,
4130034.14,    45.85,    45.85,    1.80)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
```

```
 *** AERMOD - VERSION  19191 ***   *** C:\Lakes
\SCVMC_BehavHealthCtr_UNMIT_20210108\SCVMC_BehavHealthCtr_UN ***
01/26/21
 *** AERMET - VERSION  18081 ***   ***
***        13:52:39

PAGE 381
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  RURAL  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of          930 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of          530 Calm Hours Identified

 A Total of          400 Missing Hours Identified (  0.91
Percent)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186   11869       MEOPEN: THRESH_1MIN 1-min ASOS wind speed
threshold used          0.50
 ME W187   11869       MEOPEN: ADJ_U* Option for Stable Low Winds
used in AERMET

    ***********************************
    *** AERMOD Finishes Successfully ***
    ***********************************
```

Appendix C.3: Construction Health Risk Assessment Calculations (DPM)
SCVMC: Behavioral Health Center IS/MND
Unmitigated Health Risk Calculations - Residential

METHODOLOGY

Dose (Air) = Cair x DBR x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at home / days in year (unitless)
- CF: 10^-6 Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor (mg/kg-day)$^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at home

Risk Parameter Values by Age Bin

Variable	Residential Age Bin				
	3rd Trimester	0-2 Years	2-16 Years	16-30 Years	16-70 Years
DBR	361	1090	572	261	233
A	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96
CF	1.00E-06	1.00E-06	1.00E-06	1.00E-06	1.00E-06
CPF	1.1	1.1	1.1	1.1	1.1
ASF	10	10	3	1	1
ED (Y1)	0.25	0.58	0.58	0.58	0.58
ED (Y2)	0.25	1.00	1.00	1.00	1.00
ED (Y3)	0.25	0.92	0.92	0.92	0.92
AT	70	70	70	70	70
FAH	1	1	1	0.73	0.73

AERMOD Modeled DPM Concentrations (PMI/MEIR)

Year	PMI			MEIR		
	Conc.	X	Y	Conc.	X	Y
Year 1	0.29129	594371.07	4130184.14	0.02642	594521.07	4129884.14
Year 2	0.55981	594371.07	4130184.14	0.03346	594521.07	4129884.14
Year 3	0.1227	594371.07	4130184.14	0.01042	594521.07	4129884.14

Chronic Hazard Risk Assessment

Scenario	AERMOD DPM Conc.	Chronic Hazard Quotient
Year 1	0.02642	0.005
Year 2	0.03346	0.007
Year 3	0.01042	0.002

Risk Assessment Year 1 MEIR

Year 1 Dose @ Year 1 MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
3rd Trimester	0.02642	361	1	0.96	1.00E-06	=	9.15E-06
0-2 Years	0.02642	1090	1	0.96	1.00E-06	=	2.76E-05
2-16 Years	0.02642	572	1	0.96	1.00E-06	=	1.45E-05
16-30 Years	0.02642	261	1	0.96	1.00E-06	=	6.61E-06
30-70 Years	0.02642	233	1	0.96	1.00E-06	=	5.90E-06

Year 1 Excess Risk at Year 1 MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
3rd Trimester	9.15E-06	1.1	10	0.25	70	1	1,000,000	0.4
0-2 Years	2.76E-05	1.1	10	0.33	70	1	1,000,000	1.4
0-2 Years	2.76E-05	1.1	10	0.58	70	1	1,000,000	2.5
2-16 Years	1.45E-05	1.1	3	0.58	70	1	1,000,000	0.4
16-30 Years	6.61E-06	1.1	1	0.58	70	0.73	1,000,000	0.0
30-70 Years	5.90E-06	1.1	1	0.58	70	0.73	1,000,000	0.0

Year 2 Dose @ Year 1 MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.03346	1090	1	0.96	1.00E-06	=	3.50E-05
2-16 Years	0.03346	572	1	0.96	1.00E-06	=	1.84E-05
16-30 Years	0.03346	261	1	0.96	1.00E-06	=	8.37E-06
30-70 Years	0.03346	233	1	0.96	1.00E-06	=	7.48E-06

Year 2 Excess Risk at Year 1 MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	3.50E-05	1.1	10	0.75	70	1	1,000,000	4.1
0-2 Years	3.50E-05	1.1	10	1.00	70	1	1,000,000	5.5
2-16 Years	1.84E-05	1.1	3	1.00	70	1	1,000,000	0.9
16-30 Years	8.37E-06	1.1	1	1.00	70	0.73	1,000,000	0.1
30-70 Years	7.48E-06	1.1	1	1.00	70	0.73	1,000,000	0.1

Year 3 Dose @ Year 1 MEIR

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.01042	1090	1	0.96	1.00E-06	=	1.09E-05
2-16 Years	0.01042	572	1	0.96	1.00E-06	=	5.72E-06
16-30 Years	0.01042	261	1	0.96	1.00E-06	=	2.61E-06
30-70 Years	0.01042	233	1	0.96	1.00E-06	=	2.33E-06

Year 3 Excess Risk at Year 1 MEIR

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	1.09E-05	1.1	10	0.42	70	1	1,000,000	0.7
0-2 Years	1.09E-05	1.1	10	0.67	70	1	1000000	0.7
2-16 Years	5.72E-06	1.1	3	0.25	70	1	1000000	0.1
2-16 Years	5.72E-06	1.1	3	0.50	70	1	1,000,000	0.1
2-16 Years	5.72E-06	1.1	3	0.92	70	1	1,000,000	0.2
16-30 Years	2.61E-06	1.1	1	0.92	70	0.73	1,000,000	0.0
30-70 Years	2.33E-06	1.1	1	0.92	70	0.73	1,000,000	0.0

Total Excess Risk at Year 1, 2, and 3 MEIR (Age Starting at Time of Construction)

	Infant	Child < 2	Child 2<x<16	Adult 16<x<30	Adult 30<x<70
Year 1	1.8	2.5	0.4	0.0	0.0
Year 2	5.5	5.5	0.9	0.1	0.1
Year 3	0.8	0.8	0.2	0.0	0.0
Total	8.1	8.9	1.5	0.2	0.1

Notes:

Infant exposure includes infant and child (0.33 years exposure) in Year 1.

Infant exposure includes Child (0-2; exposure 0.67) and Child (2-16; exposure 0.25) in Year 3 to account for 2 year, 6 month construction schedule.

Child < 2 exposure includes 0-2 Years (0.42 years exposure) and 2-16 (0.50 years exposure) in Year 3 to account for 2 year, 6 month construction schedule.

Appendix C.3: Construction Health Risk Assessment Calculations (DPM)
SCVMC: Behavioral Health Center IS/MND
Unmitigated Health Risk Calculations - Student

Dose (Air) = Cair x (BR/BW) x A x EF x CF

Where:
- Cair: Chemical concentration in air (µg/m^3)
- DBR: Daily breathing rate (L/kg-day)
- A: Inhalation adsorption factor (unitless)
- EF: Exposure Frequency, days at school / days in year (unitless)
- CF: 10^{-6} Conversion Factor (m^3/L and mg/µg)

Cancer Risk (per million) = Dose (Air) x CPF x ASF x (ED/AT) x FAH x 1,000,000

Where:
- Dose: Dose of chemical in the air (µg/m3)
- CPF: Cancer Potency Factor $(mg/kg\text{-}day)^{-1}$
- ASF: Age Sensitivity Factor
- ED: Exposure Duration (years)
- AT: Averaging Time for lifetime cancer risks
- FAH: Fraction of daily time spent at school

General Calculation Values

	Year 1	Year 2	Year 3	
A	1	1	1	
EF (0-2; 2-9)	0.71	0.71	0.71	(Assumes receptor would be at preschool 5 days / week)
CPF	1.1	1.1	1.1	Factor is for diesel particulate matter
AT	70	70	70	Years

Risk Calculation Values by Age Bin (School - 11 Hour Period)

Variable	Age Bin		
	0-2 Years	2-9 Years	
DBR	1200	640	
ASF	10	3	
ED (Y1)	0.58	0.58	Assumes receptor exposure for 7 months in 2021
ED (Y2)	1.00	1.00	Assumes receptor exposure for 12 months in 2022
ED (Y3)	0.92	0.92	Assumes receptor exposure for 11 months in 2023
FAH	0.46	0.46	Assumes receeptor is onsite and exposed for 11 hours per day.

Receptor Location

Year	Conc.	X	Y
Year 1	0.07165	594132.05	4130211.12
Year 2	0.0936	594132.05	4130211.12
Year 3	0.0032	594132.05	4130211.12

Chronic Hazard Quotient (Y2) ---> 0.019

Year 1: Construction Risk Calculations: Child (Preschool/Daycare inhalataion based on 7 months of exposure)

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.07165	1200	1	0.71	1.00E-06	=	6.14E-05
2-9 Years	0.07165	640	1	0.71	1.00E-06	=	3.28E-05

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	6.14E-05	1.1	10	0.50	70	0.46	1,000,000	2.2
2-9 Years	3.28E-05	1.1	3	0.08	70	0.46	1,000,000	0.1
2-9 Years	3.28E-05	1.1	3	0.58	70	0.46	1,000,000	0.4

Year 2: Construction Risk Calculations: Child (Preschool/Daycare inhalataion based on 1 year of exposure)

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.0936	1200	1	0.71	1.00E-06	=	8.02E-05
2-9 Years	0.0936	640	1	0.71	1.00E-06	=	4.28E-05

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	8.02E-05	1.1	10	0.5	70	0.46	1,000,000	2.9
2-9 Years	4.27886E-05	1.1	3	0.5	70	0.46	1,000,000	0.5
2-9 Years	4.28E-05	1.1	3	1	70	0.46	1,000,000	0.9

Year 3: Construction Risk Calculations: Child (Preschool/Daycare inhalataion based on 11 months of exposure)

Age Group	Cair x	BR	A	EF	CF		Dose
0-2 Years	0.0032	1200	1	0.71	1.00E-06	=	2.74E-06
2-9 Years	0.0032	640	1	0.71	1.00E-06	=	1.46E-06

Age Group	Dose	CPF	ASF	ED	AT	FAH	Conversion	Risk
0-2 Years	2.74E-06	1.1	10	0.50	70	0.46	1,000,000	0.1
2-9 Years	1.46E-06	1.1	3	0.42	70	0.46	1,000,000	0.0
2-9 Years	1.46E-06	1.1	3	0.92	70	0.46	1,000,000	0.0

Sum of Risk (Based on Age at Start of Construction)

	0-2 Years	2-9 Years
Year 1	2.3	0.4
Year 2	0.9	0.9
Year 3	0.0	0.0
Total	3.2	1.4

Santa Clara Valley Medical Center
Behavioral Health Services Center and Parking Structure

Appendix D: Geology Report

This page deliberately left blank.

G E O T E C H N I C A L A N D E N G I N E E R I N G
G E O L O G I C R E P O R T

PROPOSED BEHAVIORAL HEALTH SERVICES CENTER
SANTA CLARA VALLEY MEDICAL CENTER
San Jose, California

Prepared for
Facilities Department
Santa Clara Valley Health & Hospital System
751 South Bascom Avenue
San Jose, California 95128

December 10, 2020

URS Corporation
4 N. Second Street, Suite 675
San Jose, California 95113

Project 60633137

URS

December 10, 2020
Project 60633137

Kamaljit Sodhi
Capital Projects Manager III
Santa Clara Valley Health & Hospital System, Facilities Department
751 South Bascom Avenue
San Jose, CA 95128

Subject: Geotechnical and Engineering Geologic Report
Proposed Behavioral Health Services Center
Santa Clara Valley Medical Center
San Jose, California

Dear Mr. Sodhi:

URS, an AECOM company, is pleased to submit this report presenting geotechnical parameters and recommendations for use by the project team in evaluating foundation support and other geotechnical design considerations associated with the proposed Behavioral Health Services Center (BHSC) project. The BHSC will replace existing Parking Structure 3 located north of Middle Drive, between Ginger Lane and Turner Drive at the Santa Clara Valley Medical Center (VMC) in San Jose, California.

The accompanying report provides a summary of the geotechnical, geologic and seismic conditions at the site, along with recommendations for the planned expansion elements. The information has been developed in general accordance with the requirements of the Office of Statewide Health Planning and Development (OSHPD) to address the applicable requirements of Title 24, Part 2, Chapter 23 of the California Code Regulations (CCR), ASCE 41-06, and the 2019 California Building Code (CBC). The opinions and recommendations are based upon our review of available geotechnical and geologic information, previous exploratory findings, analysis, engineering judgment, and our direct experience across the VMC campus.

If any questions should arise, or if we can be of further service, please contact our office at (408) 297-9585.

Sincerely,

Anne-Marie Moore, G.E.
Senior Geotechnical Engineer

Sheri L Janowski, P.G, C.E.G. 2597
Project Engineering Geologist

Paul J. Boddie, G.E. 152
Geotechnical Manager

URS Corporation
4 N. Second Street, Suite 675
San Jose, CA 95113
Tel: 408.297.9585
Fax: 408.297.6962

TABLE OF CONTENTS

TABLE OF CONTENTS

FIGURES

APPENDICES

TABLE OF CONTENTS

1 INTRODUCTION

1.1 General

As authorized, URS (an AECOM company) is pleased to submit this geotechnical engineering and geologic report for the Behavioral Health Services Center (BHSC) to be constructed at the site now occupied by existing Parking Structure No. 3 (PS-3) as shown on the Site and Exploration Location Plan, Figure 1. URS and our legacy companies have a long history of successful geotechnical engineering projects at the Santa Clara Valley Medical Center (VMC). In fact, we provided design and construction phase geotechnical engineering services for PS-3, Parking Structure No. 2 (PS-2) and many other nearby projects.

The following report sections present the geotechnical, geologic and seismic conditions at the site for use in design of the new building. The information has been developed in general accordance with the requirements of the Office of Statewide Health Planning and Development (OSHPD) to address the applicable requirements of Title 24, Part 2, Chapter 23 of the California Code Regulations (CCR) and the 2019 California Building Code (CBC). The opinions and recommendations are based upon our review of available geotechnical and geologic information, previous and recent exploratory findings, analysis, engineering judgment, and our direct experience across the VMC campus.

1.2 Previous Studies

Our predecessor firms Woodward-Clyde and Associates, Woodward-Clyde-Sherard and Associates, and Woodward-Clyde Consultants performed the original geotechnical studies for the initial phases of the VMC campus development, as well as the Main Hospital (formerly North Tower). More recently, URS was the Geologist and Geotechnical Engineer of Record during the design and construction of Sobrato Pavilion (formerly Bed Building 1). The findings of these studies are summarized in the following reports:

- "Geologic/Seismic Hazards Evaluation, Santa Clara Valley Medical Center Expansion", dated August 13, 1993, by Woodward Clyde Consultants
- "North Tower Project, Santa Clara Valley Medical Center Expansion, San Jose, California," dated September 14, 1993, by Woodward-Clyde Consultants
- "Geotechnical Engineering Report, West Deck Parking Structure, Santa Clara Valley Medical Center, San Jose, California," dated June 1994, by Woodward-Clyde Consultants
- "Geotechnical Engineering Report, Parking Structure No. 2, Santa Clara Valley Medical Center, San Jose, California," dated June 4, 2007, by URS
- Ground-Motion Report, Old Main Rebuild, Santa Clara Valley Medical Center, San Jose, California," dated August 19, 2020, by URS
- "Engineering Geology Update/Geotechnical Engineering Report, Old Main Rebuild, Santa Clara Valley Medical Center, San Jose, California," dated August 31, 2020, by URS

John V. Lowney & Associates also completed a study for the West Wing entitled, "Santa Clara Valley Medical Center Expansion, San Jose, California," dated September 1984. The

exploratory findings from the above-referenced previous studies have been reviewed for the current study.

1.3 Purpose and Scope of Services

The purposes of this study were to 1) document subsurface conditions encountered during recent exploration and those described on the logs of historic borings, 2) evaluate the geotechnical and geologic conditions and potential geologic and seismic hazards affecting the project site, and 3) recommend geotechnical parameters for design of the new building. In order to provide the required information, we performed the following tasks:

- Completed a review of available geologic information for the site including geologic maps published by the U.S. Geological Survey and the California Geological Survey and reviewed the County of Santa Clara Seismic Safety Element maps.
- Completed a review of available geotechnical investigation reports at and near the site vicinity prepared by Woodward-Clyde and Associates, Woodward-Clyde-Sherard and Associates, Woodward-Clyde Consultants and URS.
- Completed a review of fault and seismic hazard maps of the site including Alquist-Priolo special studies zone fault maps and research related to Quaternary-age faults mapped nearby;
- Prepared a summary of engineering geology findings discussing the results of the study including geologic setting, geologic hazards, subsurface conditions (see Figures 2a and 2b for generalized geologic profiles) and seismic hazards for design of the project;
- Advanced three cone penetration tests (CPTs), including two seismic CPTs, to depths of about 55 feet at accessible locations around the perimeter of PS-3 to supplement available subsurface exploration data, and
- Performed an engineering review of existing and recent exploratory data and the parameters originally developed for PS-3, PS-2 and other neighboring projects, to develop site-specific recommendations for use in the current design including:
  - Feasible foundation types, depths and design capacities;
  - Foundation settlement estimates, with particular emphasis on differential settlement;
  - Geologic hazards and site seismicity, pursuant to Title 24, Part 2, Chapter 23 of the California Code Regulations and 2019 California Building Code;
  - Potential for earthquake induced soil liquefaction and seismic compaction, consistent with the guidelines of SP117 (California Geological Survey);
  - Static and dynamic earth pressures on site retaining and basement walls, as applicable;
  - Below grade wall subdrainage, as applicable;
  - Support of slab-on-grade floors and concrete flatwork;
  - Lateral resistance to sliding, including design and ultimate level passive pressures and soil friction coefficient;
  - Site class, seismic parameters and site-specific design response spectra in compliance with ASCE 7-16 methodology as modified by Chapter 1613 of the 2019 CBC;
  - Recommendations for earthwork, site grading, and utility backfilling;

- Corrosion potential of the onsite soils; and
- Construction considerations, including temporary excavation support, as applicable.

The locations of project-wide historic and current explorations are shown on Figure 1.

2 PROJECT DESCRIPTION

We understand the BHSC is expected to have about a 60,000 square foot footprint, with about 140,000 square feet in total distributed among three above grade floors. A partial basement area is planned below the eastern portion of the building footprint, as well as a pedestrian bridge that would provide a direct connection from the second level to the Emergency Department east of Turner Drive. An underground connection to the existing tunnel that links the Receiving and Support Center (RSC) and Main Hospital is also included in the design.

Based on Sheet C400 of the project civil plans, finished floor at the basement level will be Elevation 131.6 feet and finish floor at first level will be Elevation 147.1 feet. We understand the Structural Engineer has elected to support the structure on drilled shafts at the basement and first floor levels; single shafts and pile groups are both proposed for column and wall support. The pedestrian bridge would also be supported on drilled piers. The Structural Engineer provided the following loading information for single drilled shafts having diameters of 3-, 4-, 5- and 6 feet.

Table 2-1 Summary of Design Column Loads on Single Shafts

Shaft Diameter (feet)	Dead Load (kip)	Live Load (kip)	Earthquake Load (kip)
3	180	100	± 295
4	260	140	± 520
5	340	185	± 580
6	435	235	± 670

Column dead plus live loads for pile groups are expected to range from about 1,120 kips to 4,800 kips.

The basement retaining wall will be located about 35 feet from PS-2. The underground connection to the existing tunnel will be supported on a 2-foot-thick mat slab and have 12-inch thick walls and roof slab. A new parking structure to replace the demolished PS-3 will be built at the site now occupied by the Della Maggiore Center to the southwest. A separate study is being completed for that project.

All project elevations reference NAVD 88.

3 FIELD EXPLORATION AND TESTING

3.1 Previous Exploration

Logs of pertinent rotary wash and auger borings and records of CPT soundings completed by our predecessor firms and others, located within the footprint and near the proposed BHSC site, are presented in Appendix C. Included are the logs of Borings 2, 3 and 11 and record of CPT-1 (VMC Expansion 1993), Borings 29 through 33 and records of four CPTs (West Deck Parking,

PS-3, 1994), Borings 47, 48 and 53 (PS-2, 2007), and Borings SBR-1, -3, -7, 8, and -10 (Receiving and Shipping Center, 2010).

Soil samples were collected from the rotary wash and auger borings using standard penetration test (SPT) and Modified California samplers; blow counts were recorded and are shown on the boring logs along with the results of laboratory tests on selected samples.

3.2 Current Study

To supplement available subsurface data. URS advanced seven cone penetration tests (CPTs) at the proposed BHSC site and the proposed PS-3 replacement location to the southwest. Three of these explorations, CPT-1 through CPT-3, were advanced at locations accessible around the perimeter of the proposed BHSC site. The CPTs, with the exception of CPT-6, met refusal at depths ranging from about 50 to 55 feet below existing site grade after penetrating 2 to 3 feet into dense granular material; CPT-6 penetrated this layer but later met refusal at a depth of about 85 feet. CPT-2, CPT-3 and CPT-6 were completed as seismic CPTs, to collect shear wave velocity data.

The graphical plots of CPT-1 through CPT-3 and CPT-6 along with tabulated results of seismic CPT data are included in Appendix D. The approximate locations of these explorations are shown on Figure 1.

Prior to the start of exploration, the CPT locations were checked for conflicts with underground utilities; Underground Service Alert (USA) Network was first contacted, followed by the services of a private utility locator. A hand auger was used to advance the explorations to a depth of 5 feet below ground surface prior to the start of drilling or CPT work. URS obtained a subsurface exploration permit from Valley Water. The completed CPTs were backfilled in accordance with the permit requirements.

A URS Geotechnical Engineer observed the CPT operations.

4 LABORATORY TESTING

Laboratory testing for past explorations at and in the near vicinity of the site included:

- Moisture content and dry unit weight (ASTM D2216 and D2937),
- Particle size analysis (ASTM D422),
- Unconfined compressive strength (ASTM D2166), and
- Plasticity Index (ASTM D4318).

These test results are included on the boring logs and as graphical plots in Appendix C.

5 SITE AND SUBSURFACE CONDITIONS

5.1 Site Conditions

The VMC main campus is located southwest of downtown San Jose on the U.S.G.S. 7½-minute San Jose West quadrangle as shown on Figures 1 and 2 of the attached 1993 report (Appendix A). The coordinates of the BHSC site are 37.3139°N / 121.9356°W (NAD 83). The ground surface at the BHSC site ranges between about Elevation 142 to 146 feet.

Existing PS-3 is a two-level parking structure with post-tensioned concrete slab for the upper level and an at-grade asphalt concrete paved surface for the lower level. Prior to construction of the existing structure, the site was used for surface parking and as a reserve helicopter landing pad. As shown on Figure 1, PS-3 nearly abuts PS-2 which is a five level parking structure (no basement) to the north; the foundations of the southern wall of PS-2 are supported on rammed aggregate piers installed for ground improvement in close proximity to the north footing line of PS-3. The Receiving and Support Center (RSC) is located to the south of the site across Middle Drive, and the Main Hospital is located to the east of the site across Turner Drive; both of these structures have basements and they are connected by a below grade tunnel similar to that planned for the BHSC project. Scattered trees, sidewalks, and landscaped areas also are present.

5.2 Subsurface

Many previous explorations were completed on or proximate to the BHSC site. The borings and CPTs penetrated complexly interbedded lenses of younger and older alluvial soils that include silty to clayey sand, poorly graded sand, silty and sandy clays, gravelly sands and sandy gravel. Generalized geologic profiles A-A′ and B-B′ (Figures 2a and 2b) present "stick logs" of the various soil units. The borehole and CPT data demonstrate that there are substantial variations in the type and physical characteristics of the subsurface materials, both laterally and vertically. No attempt has been made to correlate the soil units between explorations on these figures due to the substantial soil type variations encountered in individual borings and CPTs. However, an approximate contact between the younger alluvium and older alluvium is shown on the profiles, based primarily on the relative density and strength of the material. In general, the upper 5 to 40 feet of younger Holocene alluvium consists of interbedded, stiff to very stiff silty clay and medium dense to dense silty sand and clayey sand with occasional gravel lenses. Some of these materials in the upper 10 feet may also have been fill soils from past grading activity and earlier site development. Below a depth ranging from about 35 to 45 feet, older Quaternary alluvium was encountered consisting of interbedded, dense silty sand, poorly graded sand, and sandy to poorly graded gravel. Hard silty clay lenses and interbeds are also common within this lower alluvium unit as shown on the geologic profiles. These older alluvial soils are relatively incompressible.

Although the conditions vary from one exploratory location to another, in general they can be described as follows:

Approximate Depth Interval (feet)	Soil Description
0 to 15	Soils within the upper 15± feet typically are quite variable across the VMC campus. Explorations completed as part of the original PS-3 study revealed gradational and interbedded alluvial deposits consisting of medium to very stiff clays and loose to medium dense granular soils. Some old fills were detected; however, they were removed during the PS-3 site grading. These shallow soils are compressible.
15 to 40	Predominantly stiff lean clays and silts with discontinuous, interbedded lenses of sand were encountered in this depth

	interval. The soils in this depth range are moderately compressible.
45 to 85	Dense to very dense poorly-graded sand, silty sand and poorly graded gravel typically underlie the "younger" alluvial deposits described above. These deeper, "older" alluvial soils are relatively incompressible compared to the shallower alluvium. While the 1994 explorations for PS-3 were limited to 40 feet, and the recent CPTs were limited to 50 to 55 feet, past explorations for the nearby PS-2, Main Hospital, and RSC, and the recent CPT-6 to the southwest of the site suggest the presence of these materials across the BHSC footprint.

5.3 Groundwater

Groundwater is relatively deep at VMC. It was encountered between about Elevation 71 and Elevation 80½feet during drilled pier installation for the Main Hospital (Building M 6009) between September and October 1995. Boring 53, drilled immediately north of the site for Parking Structure No.2, encountered groundwater at about Elevation 76 feet; upon completion of drilling, the water level was measured at about Elevation 80½ feet. Groundwater was measured between about Elevation 73½ and 77½ feet during the drilled pier installation for the Sobrato Pavilion in April and May 2010.

Free groundwater was not encountered to the terminal depths of borings, ranging from 20 to 30 feet, at the PS-3 site during the 1994 study. Further, no groundwater was encountered in the borings completed for at the RSC site to a maximum terminal depth of 75 feet, corresponding to about Elevation 71½ feet.

Porewater pressure dissipation tests performed in recent CPT-6 advanced southwest of the project site, at the former Della Maggiore Center, suggest a groundwater depth of about 80 feet (Elevation 66 feet).

Fluctuations in the groundwater level could occur due to factors not in evidence at the time the measurements in these explorations were made.

6 GEOLOGIC AND SEISMIC HAZARDS

6.1 Background

Woodward-Clyde Consultants previously completed a geologic and seismic hazards evaluation for the Santa Clara Valley Medical Center in a report dated August 13, 1993; a copy of the 1993 report is included in Appendix A for convenience of reference. A ground-motion report was prepared in August 2020 for buildings on the VMC campus to accompany the studies for the Old Main Rebuild; it is included in Appendix B.

This report, along with the appended 1993 and 2020 reports, address the requirements of Title 24, Part 2, Chapter 23 of the California Code of Regulations and the California Building Code 1802.

6.2 Geologic Resources

Resources consulted to update the 1993 geologic hazard assessment (Appendix A) included:

- Alquist-Priolo Earthquake Fault Zone maps;
- On-line seismic hazard zone maps from the California Geological Survey;
- On-line geologic hazard zone maps from Santa Clara County;
- On-line flood hazard maps from Association of Bay Area Governments; and
- Maps of Quaternary deposits and liquefaction susceptibility in the central San Francisco Bay region: U.S. Geological Survey, Open-File Report 2006-1037, in cooperation with the California Geological Survey.
- Brabb, E.E. and Hanna, W.F., 1981, Maps showing aeromagnetic anomalies, faults, earthquake epicenters, and igneous rocks in the southern San Francisco Bay Region, U.S. Geological Survey Map GP 932 and report, scale 1:125,000.
- Bryant, W.A., compiler, 2017, Fault number 245, San Jose fault, Fault number 244, Stanford fault, in Quaternary fault and fold database of the United States: U.S. Geological Survey website, https://earthquakes.usgs.gov/hazards/qfaults, accessed 03/27/2020.

6.3 Geologic and Tectonic Setting

The project site is located about 8½ miles southeast of the edge of San Francisco Bay within the central portion of Santa Clara Valley, an alluvial basin located between the Santa Cruz Mountains to the southwest and the Diablo Range to the northeast. The Santa Clara Valley is located between the active San Andreas fault to the west, and the Hayward and Calaveras faults to the east as shown in Figure 3. Each of these faults has produced damaging earthquakes during historic time. The valley margins are marked by belts of active thrust faults; the Foothills fault system to the southwest and the East Valley thrusts (Southeast Extension of the Hayward fault) to the northeast (Fenton and Hitchcock, 2002).

The Foothill Thrust fault system is a series of southwest dipping thrust faults located along the range front of the Santa Cruz Mountains (Bürgmann *et al.*, 1994). The Monte Vista-Shannon and Sargent faults are the main active faults in the Foothills thrust system. The Monte Vista-Shannon thrust is approximately 26 miles long and dips at a moderate angle to the southwest, merging with the San Andreas fault at depth. The Sargent fault is approximately 35 miles long and merges with the San Andreas fault near Loma Prieta.

The East Valley thrusts are a series of northeast-dipping thrust faults that mark the junction between the southern end of the Hayward fault and the southern and central segments of the Calaveras fault. These faults, which include the Quimby, Piercy, Evergreen and Silver Creek faults, are relatively short, less than 19 miles long, and appear to merge with the Hayward and Calaveras faults at relatively shallow depths (Jones *et al.*, 1994). Recent geologic and geomorphic investigations along both the Foothills and East Valley thrust systems indicate that they are active and may be capable of generating damaging earthquakes (Hitchcock and Kelson, 1999; Fenton and Hitchcock, 2002).

Geology at VMC is mapped by Witter *et al.* (2006) as Holocene alluvial fan deposits and adjoining Holocene alluvial fan levee deposits. The geologic map of Santa Clara County, California (Brabb and Dibblee, 1974) denotes the area as young and old alluvial fan deposits. A regional geologic map of the project area is included as Figure 4 in the Woodward-Clyde 1993 report (Appendix A). These alluvial fan deposits are described as interbedded sand, silt and clay with minor gravel. This soil description is consistent with the results of the previous exploration completed at the project site. The younger Holocene alluvial deposits are underlain by older alluvial deposits of Quaternary geologic age at depths in the range of 50 to 60 feet (Helley, 1990). As discussed in the 1993 report (Appendix A), based on California Department of Water Resources data (1975), the depth to Franciscan Assemblage bedrock in the site vicinity is greater than 1,000 feet. That rock unit is composed of a heterogeneous array of diverse rock types that were brought together in a subduction zone. Semi-consolidated sedimentary rock of Tertiary geologic age may overlie the Franciscan bedrock.

6.4 Fault-Related Ground Rupture

Surface fault rupture tends to recur along existing fault traces. The highest potential for surface faulting is along existing fault traces that have had Holocene fault displacement. The California Geological Survey (2000) has produced maps showing Alquist-Priolo Earthquake Fault Zones along faults with known Holocene activity that pose a potential surface faulting hazard. There are no Alquist-Priolo (A-P) zones mapped in the vicinity of the site (see Figure 3). In addition, the Santa Clara County Fault Rupture Hazard Zones map (2002) does not identify any fault hazard zones in the project area.

The Monte-Vista/Shannon fault, which is part of Foothills fault system, is the closest significant seismic source and is located about 5 miles to the southwest of the site. The Monte Vista/Shannon fault is a reverse fault estimated to be capable of producing a Maximum Moment Magnitude (**M**) 7.0 earthquake and has an estimated slip rate of 0.024 inch/year (Field *et al*., 2013). The Monte Vista/Shannon fault is a Type B seismic source. The San Andreas fault extends over 746 miles from the Gulf of California to Cape Mendocino. It passes about 9.2 miles to the southwest of the site and is considered capable of producing an earthquake with an **M** 7.9. The Peninsular Segment of the San Andreas fault is estimated to have a slip rate of 0.67 inch/year and is a Type A seismic source. The Calaveras fault is 11 miles east of the site. The central segment of the Calaveras fault has a slip rate of 0.59 inch/year is us capable of producing an **M** 6.5; it is a Type A seismic source. The southern segment of the Hayward fault, which passes about 8 miles to the northeast of the site, is believed to be capable of generating an earthquake of **M** 6.9 with a slip rate of 0.35 inch/year. Therefore, the Hayward fault also is a Type A seismic source. The Hayward fault is estimated to have a 33% probability of generating an **M** $\geq$ 6.7 earthquake, the highest in the Bay Area, in the time period 2014-2043, while the San Andreas has a 22%, the Calaveras fault 26% and the whole San Francisco Bay Area 72% in the same time period (Aagard *et al.,* 2016). The potential for surface fault rupture at the site from these faults is considered low.

Two Quaternary-age faults also were discussed in the 1993 report. The faults were interpreted from well-drillers' logs by the California Department of Water Resources (1975). The USGS Quaternary fault and fold database of the United States (Bryant, 2017) named these Class A undifferentiated Quaternary (<1.6 Ma) age faults as the San Jose fault and the Stanford faults; both faults are characterized in the database as having poor location certainty or reliability. The

San Jose fault is mapped by the USGS crossing about 440 feet northeast of the proposed BHSC building footprint, and the Stanford fault is mapped just over 2,000 feet to the southwest of the site.

The San Jose fault was identified by Brabb and Hanna (1981) during studies to identify faults based on aeromagnetic anomalies. The San Jose fault, inferred from aeromagnetic anomalies as described in their report, is mapped approximately 2 miles northeast of the BHSC site, differing from the much closer USGS-mapped location. The Brabb and Hanna report indicates their interpretation of the location of the San Jose fault was inferred from weak positive correlations with earthquake epicenter data during the study years and with epicenters that correlate with an anomaly located about 12 miles to the southeast of the site near the town of Coyote, California; no epicenters were located near or within the existing building footprint.

URS reviewed historical aerial photographs from Historicaerials.com taken between 1948 and 2016 to assess whether surficial evidence of recent fault activity, such as offsets or sag ponds, was observable. No evidence of surface fault displacement was noted within the footprint of the VMC campus or surrounding area on the historical aerial photographs available for review.

The Stanford fault included in the fault model for the site-specific ground motion analysis presented in Appendix B is not associated with the Stanford fault as mapped by the USGS at a location approximately 2,000 feet to the southwest of the BHSC site. The Stanford fault, as described in the ground motion analysis, is associated with the Pulgas fault of the USGS; the southern-most extent of this fault as mapped by the USGS is approximately 12 miles to the northwest.

The USGS-named Stanford fault was not identified by Brabb and Hanna (1981) during subsequent studies to identify faults based on aeromagnetic anomalies. No evidence of surface fault displacement was observed within the limits of the VMC campus or along the trajectory of the mapped USGS fault in the historical aerial photographs (1948 to 2016) that we reviewed.

Due to the lack of surficial expression visible in historical aerial photos for either of these inferred faults, poor location reliability status as determined by the USGS, and aeromagnetic anomaly data indicating the possibility of increased distance of the San Jose fault to the project site, the potential for surface fault rupture is considered low.

6.5 Ground Shaking

In the San Francisco Bay region, the plate boundary is a 100-km-wide zone of deformation consisting of several major strike-slip fault zones including the San Gregorio, San Andreas, Hayward/Rodgers Creek/Healdsburg, Green Valley/Berryessa/Hunting Creek, Calaveras and Greenville faults (Figure 3). There have been 14 earthquakes of approximately **M** 6.0 or greater within 50 km of the BHSC site in historical times (Figure 5). The site will be subject to strong to severe ground shaking during future major earthquakes originating on the larger regional faults.

6.6 Landslide and Slope Failure

The project site is not within the mapped Santa Clara County Landslide Hazard Zone (2002) nor the California Geological Survey Earthquake-Induced Landslide hazard zone (CGS, 2001). Due to the relatively flat topography at the site, landsliding is not a hazard.

6.7 Liquefaction and Lateral Spreading

The project site is not within the mapped Santa Clara County Liquefaction Hazard Zone (2002) or the California Geological Survey Liquefaction hazard zone (CGS, 2001) for the San Jose West Quadrangle (see Figure 4). Witter and others (2006) map the site as having a "moderate" liquefaction potential. No historic ground failures from either the Loma Prieta earthquake or the 1906 San Francisco earthquake have been recorded near the project site (Knudsen *et al.*, 2000). Based upon the fact that previous borings at the site typically encounter free groundwater below a depth of at least 60 feet, the potential is considered low for ground surface effects to occur at the site as a result of liquefaction.

Lateral spreading occurs when a soil layer liquefies at depth and causes horizontal movement or displacement of the overlying mass on sloping ground or towards a free face such as a stream bank or excavation. Because the site is relatively flat and the potential for liquefaction is considered low, the potential for lateral spreading is also considered low.

6.8 Seismically Induced Settlement

The loose and medium dense silts and sands that underlie the BHSC site, generally within 15 feet of the existing ground surface, could experience some dynamic densification in the event of strong earthquake ground motions. We estimate settlements on the order of ½ inch could occur in these upper deposits. The calculations used as the basis for the estimated range of seismic settlement were developed based on the approach proposed by Tokimatsu and Seed (1984). Calculations are presented in Appendix E.

The 84th percentile PGA of 0.62g and a design earthquake on the Monte-Vista/Shannon fault with Moment Magnitude earthquake of **M** 7.0 were used as inputs to the analysis. The Monte-Vista/Shannon fault, rather than the San Andreas or Calaveras faults, was judged to have the potential to produce stronger ground motion at the site because of its closer location.

6.9 Flooding

The project site is located about 1 mile northwest of Los Gatos Creek. The site is located outside of the 100-year flood zone as shown on the FEMA flood hazard zone maps (ABAG, 2007). The site is also outside of the Dike Failure Hazard Zone as mapped by Santa Clara County (2002). Flooding at the site is not a potential hazard.

6.10 Expansive Soil Potential

Expansive soils are those that shrink or swell significantly with changes in moisture content. The clay content and porosity of the soil also influence the change in volume. The shrinking and swelling caused by expansive clay-rich soil often results in damage to overlying structures. The clay soils encountered in historic borings are of low plasticity suggesting that the expansive soil potential at the site is low.

6.11 Corrosive Soil Potential

Soil samples collected from historic campus-wide borings were submitted for analytical testing to measure pH, resistivity, and sulfate and chloride concentrations as these chemical properties affect the corrosion rates of buried metal and reinforced concrete associated with the planned structure foundation and underground culvert construction. Evaluations of the in-situ and laboratory test data were made by V&A Consulting Engineers (V&A) in 1992 and 2010.

A summary of laboratory test results from these previous studies (RSC, 2010; Main Hospital [North Tower], 1992; Underground Utilities Relocation, 2010) are presented in the following table. All soil samples were collected from depths ranging from 1 to 20 feet below existing grade.

Table 6-1 Soil Corrosion Test Results Summary

Project	Boring ID and Sample Depth (ft)	Minimum Resistivity (ohm-cm)	pH	Chloride Content (mg/kg)	Sulfate Content (mg/kg)
Receiving and Support Center	SBR-1 @ 3.0	1,500	7.8	75	Not detected
	SBR-2 @ 18.5	1,300	8.0	240	Not detected
	SBR-3 @ 10.0	5,250	8.3	60	Not detected
Main Hospital (North Tower)	B1-4-2 @ 20	1,800	7.8	6.5	64
	B2-3-2 @ 15	1,900	8.2	17.0	80
	B4-2-2 @ 10	2,900	8.2	6.7	23
Underground Utilities Relocation	UT-1 @ 1-2	5,380	8.2	5.54	20.8
	UT-2 @ 2-3	4,590	8.3	8.44	24

As discussed in the V&A reports, the site soils are considered *negligibly to moderately* corrosive. The full V&A reports can be found in Appendix C.

6.12 Radon Potential

Radon is a naturally occurring radioactive gas which comes from the natural decay of uranium and is usually found in igneous rock and soil. The EPA maps Santa Clara County as a Zone 2 (moderate potential) county, having a predicted average indoor radon level between 2 and 4 pCi/L. The average indoor radon level is 1.3 pCi/L, with 6% of test results ≥4 pCi/L (County Radon Info, 2019).

6.13 Seismically Induced Flooding

The California Division of Safety of Dams (DSOD) does not show any large reservoirs of water within 6 miles of the site on their Dam Breach Inundation Maps. Due to the topography and location of the mapped bodies of water relative to the site, the potential for flooding of the site due to these bodies of water is nil.

6.14 Tsunamis and Seiches

Tsunamis (seismic sea waves) are generated by rapid displacement of the ocean floor during major earthquakes. The grade at the project site is positioned at about Elevation 142 to 146 feet

above sea level, and the site is over 8 miles southeast of San Francisco Bay. Therefore, the potential for seismic sea wave encroachment on this site is considered nil.

A seiche is a wave generated on the surface of a closed or semi-enclosed body of water during an earthquake. The nearest significant body of water is San Francisco Bay 8½ miles northwest of the site, therefore the potential for the site being affected by a seiche is considered nil.

6.15 Volcanic Hazards

There are no known or mapped active or Quaternary volcanoes (Jennings, C.W., 1994) in the vicinity of the site. Therefore, the potential for volcanic hazards at the site is nil.

7 DISCUSSION

7.1 Geologic and Seismic Hazards

There are no Alquist-Priolo (A-P) zones mapped in the vicinity of the site. The closest significant Quaternary seismic source is the Monte-Vista/Shannon fault, located about 5 miles to the southwest of the site.

The potential for seismic densification of the near surface granular soils exists; URS estimates this settlement could be on the order of ½ inch.

7.2 Geotechnical Considerations

The primary geotechnical consideration at the BHSC site is the relatively low strength and compressible nature of the alluvial soils within the top 15 feet. While the risk of liquefaction is very low due to the groundwater depth, the interbedded lenses and layers of cohesionless soil within the top 15 feet of the soil profile are susceptible to seismically induced "dry sand" settlement.

The Structural Engineer has elected to support the entire structure and pedestrian bridge on drilled straight shaft piers. Drilled piers were successfully used in combination with shallow spread footings at the New Main Hospital and at the Sobrato Pavilion, both located to the west of the site. From a geotechnical viewpoint, drilled piers are compatible with the subsurface conditions revealed in explorations at and near the BHSC site provided: 1) machine cleaning adequately removes spoils from the bottom of excavations where end-bearing resistance is required; and 2) foundations are kept above the groundwater table to reduce the potential for caving and the need for slurry and/or casing. A mat slab would be feasible for support of the proposed tunnel connecting the BHSC to the Main Hospital. Shallow spread footings underlain by well-compacted engineered fill would be capable of supporting miscellaneous exterior site features.

A continuous footing was used to support columns along the south side (Line F) of PS-2. Because of its close proximity to the north column footings (Line 13) of PS-3, rammed aggregate piers were installed to achieve the desired ground improvement in lieu of overexcavation and recompaction used elsewhere within the PS-2 footprint. URS understands the proposed BHSC basement will be located about 35 feet from Line F, and as such, believes the risk of adverse impact is low.

Design recommendations are presented in the following sections of this report.

8 GEOTECHNICAL PARAMETERS AND RECOMMENDATIONS

8.1 2019 California Building Code

8.1.1 Site Class

The conditions underlying VMC can be described as complexly interbedded lenses and layers of alluvial soils that range in composition from clays to gravelly sands. Shear wave velocity measurements made in cone penetration tests, as well as unit weight and strength data compiled during exploratory drilling and laboratory testing throughout the VMC campus, support a Site Class D categorization, as defined in the 2019 CBC.

8.1.2 Seismic Design Values (ASCE 7-16)

A site-specific seismic hazard analysis was performed following the standard of ASCE 7-16 *Minimum Design Loads and Associated Criteria for Buildings and Other Structures, Chapter 21.2* to develop Risk-Targeted Maximum Considered Earthquake (MCE_R) Spectrum and the Design Response Spectrum (DRS). Complete details can be found in accompanying "Ground-Motion Report" (Appendix B).

Based on the site-specific spectrum, the following values of S_{DS} and S_{D1} are recommended for use in design:

- S_{DS} = 1.103g
- S_{D1} = 1.250g

The site-specific S_{DS} is taken as the 0.2 sec spectral acceleration (SA), except not less than 90 percent of the SA at any period greater than 0.2 sec. The maximum SA occurs at 0.4 sec and is 1.226 g; 90% of this value is 1.103 g, which is greater than the SA of 0.965 g at 0.20 sec, so S_{DS} = 1.103 g. ASCE 7-16 requires the parameter S_{D1} be taken as the maximum value of the product, T*SA, for periods from 1 to 5 sec for sites with $V_{S30} \leq 366$ m/s. In this period band the maximum value of T*SA occurs at 3.5-sec period and is equal to 3.5*0.357=1.250 g.

8.2 Drilled Piers

Axial Capacity and Settlement

Drilled straight shaft friction piers would derive axial capacity from skin friction and end-bearing. An ultimate skin friction of 1,500 pounds per square foot (psf) should be used to represent the predominantly cohesive alluvial soils extending to about 50 feet below the existing grade (to Elevation 95 feet) and presumes a minimum pier length of 40 feet; the ultimate skin friction would increase to 2,500 psf below this depth, representative of the predominantly dense granular soil encountered in explorations to about Elevation 80 feet. These values apply to compression and tension loading conditions and assume a center-to-center spacing of at least three shaft diameters.

For drilled piers terminating between Elevation 85 and 80 feet, we recommend an ultimate end bearing pressure of 20 kips per square foot (ksf). This bearing pressure assumes loosened soil below the pier tip will be removed by careful machine cleaning.

We understand that drilled piers will be sized to satisfy allowable stress design (ASD) load combinations. Consistent with this method of analysis, a factor of safety of 2.0 should be applied to the ultimate skin friction values and a factor of safety of 2.5 should be applied to the ultimate end-bearing capacity.

Consideration should be given to increasing the geotechnical factors of safety for skin friction and end-bearing by an additional 20 percent where columns are supported by a single pier or small pier groups if the Structural Engineer judges these support locations lack redundancy.

The depth of drilled piers should be limited to Elevation 80 feet with the intent of completing excavations in the dry. If a deeper pier depth will be needed, the Geotechnical Engineer should be consulted.

The recommended skin friction values are based on a center-to-center pier spacing of at least three pier diameters. For pier groups with a closer spacing, the sum of resistance for the individual piers should be compared with the group capacity of the "block" using the shear strength available on the outside perimeter of the group with a factor of safety of 2.0. The lesser of the two capacities should be used in the design.

Drilled pier settlement is considered at the service limit state, typically taken as the sum of the unfactored dead and live loads. Design lengths of piers in groups should be checked once net permanent loads at columns are finalized.

All drilled piers should be constructed under the observation of the Geotechnical Engineer and in accordance with the accompanying "Guide Specifications for Drilled Concrete Piers and Shafts," Appendix F.

8.3 Lateral Load Capacity

Drilled pier foundations are capable of resisting lateral loads through bending and by pier-soil interaction. The magnitude of the lateral load resistance that can develop depends upon several factors such as the pier size, the physical properties of the surrounding soils, and the structural design of the pier. In addition to pile lateral load capacity, passive resistance against the pile cap can be utilized, if needed. URS used LPILE for Windows, Version 11.002 (Ensoft, 2019) to assist in estimating the lateral load resistance of 36-, 48-, 60- and 72-inch diameter piers. The program models the soil response in the form of load-deflection (p-y) curves. Output files for laterally loaded piers are presented in Appendix E and include deflection versus depth, bending moment versus depth, shear versus depth, slope versus depth, and total stress versus depth for both the fixed head and free head cases and for piles at the first floor and basement levels.

A P-multiplier (P_m) should be applied to the lateral capacity of individual piles to account for group efficiency. Table 8-2 presents P_m values for the corresponding rows of piles within a group reduce the lateral capacity of piles in groups (FHWA, 2018). Row 1 refers to the leading row of piles in the direction of loading.

Table 8-2 Pile P-Multiplier, Pm for Multiple Row Shading

Pile Center-to-Center Spacing (in the direction of loading)	Group Efficiency Factor (P-Multiplier, P_m)		
	Row 1	Row 2	Row 3 and higher
3 B	0.7	0.5	0.35
5 B	1.0	0.85	0.7

No group reduction factor needs to be applied to the single pile lateral load capacities presented above provided a center-to-center spacing of at least six pile diameters is used.

8.4 Lateral Earth Pressures

The basement walls of the BHSC will be subject to a combination of lateral earth and surcharge pressures. The following earth pressures are recommended for design.

8.4.1 Static Pressures

Below-grade walls that are free to deflect at the top in response to lateral loads should be designed for active earth pressures. The lateral earth pressure will be greater than active and approach "at-rest" conditions where basement walls are restrained from moving.

Walls retaining level (horizontal) backfill consisting of compacted low plasticity on-site soils, walls should be designed to resist an active earth pressure equal to an equivalent fluid pressure of 40 pcf. For the "at-rest" condition, an equivalent fluid pressure of 60 pcf should be used for design. Wall backfill is assumed to have a total unit weight of 130 pcf. If relatively clean, compacted granular materials, such as an aggregate subbase with a minimum 'R' value of 40, are used as backfill for retaining walls retaining level backfill, an equivalent fluid pressure of 35 pcf for the active condition and 55 pcf for the "at-rest" condition could be used for design. Within the proposed excavation, layers of sand and gravel could be encountered and reused for granular wall backfill. The recommended equivalent fluid pressures assume the walls are properly drained such that no hydrostatic pressures will develop behind them.

Permanent surcharge loads adjacent to below-grade walls will result in additional lateral earth pressure on the walls. This additional pressure should be estimated by multiplying the permanent surcharge pressure by a coefficient of lateral pressure of 0.3 and 0.5 for active and "at-rest" conditions, respectively.

We recommend the surcharge effects of traffic be idealized as an additional 2 feet of soil backfill.

8.4.2 Earthquake Loading

During earthquakes, walls experience increased lateral loads. If the Structural Engineer chooses to check the basement wall design for this loading condition, we recommend the additional dynamic lateral force developed during seismic loading be estimated as follows:

$$\Delta P_{ae} = 15H^2$$

The units of the dynamic force are in pounds per linear foot of the wall and H is the wall height in feet. The dynamic lateral force should be assumed to act at the mid-height of the wall and

represent the resultant of a rectangular pressure distribution. This applies to horizontal backfill conditions.

8.4.3 Wall Subdrainage

The recommended wall design pressures have been estimated assuming no water pressure will act on the walls. Even though groundwater is most likely below Elevation 80 feet, which is about 50 feet below the proposed elevation of the basement, water from other sources, such as broken water pipes, runoff from adjacent areas, and rainfall infiltration, may create a perched water condition, resulting in a build-up of hydrostatic pressures. Therefore, subsurface drainage should be installed behind the walls which exceed 4 feet in height. A 4-inch diameter, perforated drain pipe encased in granular filter material should be placed behind the bottom of the wall. The drain pipe should be connected to a free draining outlet or sump pump.

To intercept seepage and provide a path for water to reach the subsurface drain, a continuous layer of granular filter material, at least 18 inches thick, should be placed along the back of the wall, up to a depth of 24 inches below the ground surface. As an alternative to the granular filter section, a prefabricated, synthetic multi-layer drainage material (such as TC Miradrain 6000 or equivalent) could be used behind walls. If such a synthetic drain system is used, it should be continuous from the drainpipe to within 24 inches of the ground surface. For lower level perimeter walls the backfill should be capped with 24 inches of compacted impervious soil. Except for the layer of granular filter material, backfill behind retaining walls could be low plasticity native soils derived from the building area excavation or imported select fill, as described in Appendix F.

Granular filter material to be used behind below-grade walls should conform to the gradation for Class 2 Permeable Material, Section 68 of the State of California, Department of Transportation, Standard Specifications (latest edition).

8.5 Cut-and-Cover Tunnel

We understand the proposed tunnel connecting the basement level of the BHSC to existing tunnel between the RSC and Main Hospital will have a 2-foot-thick mat slab foundation, 12-inch-thick walls and a 12-inch-thick slab roof. The tunnel will be subject to earth and vehicle loading at the ground surface. In addition, a drilled pier supported pedestrian bridge will span over a portion of this tunnel. According to the Structural Engineer, the pedestrian bridge foundations will be located a clear distance of about three pier diameters from the tunnel walls and will be subject to axial loading only. As such, in the opinion of URS, it is unlikely the pedestrian bridge foundations will exert loads on the proposed tunnel.

Loading on the tunnel roof and walls due to static vertical and lateral earth pressures, impact loads and traffic should be determined consistent with that shown on 2018 Caltrans Standard Plan D82 based on thickness of earth cover and anticipated traffic conditions. Consideration should also be given to structural design of the tunnel where loaded construction equipment may pass over the top. Granular soil meeting the material requirements for structure backfill per 2018 Caltrans Standard Specifications, Section 19-3.02C should be used to backfill the tunnel walls.

Provided the mat slab is underlain by at least 2 feet of well-compacted engineered fill, its design can be based on an ultimate bearing capacity of 9,000 psf, used with an appropriate factor of safety. Some rebound in the subgrade soils is expected to occur with excavation, followed by

recompression as the the tunnel is constructed. The post-construction settlement of the mat slab is expected to be less than about ½ inch. It would be prudent to delay final tunnel finish work until after backfilling had been completed.

According to Caltrans (1990), "observations of all types of underground structures in the 1971 San Fernando earthquake area and in the 1989 San Francisco (Loma Prieta) earthquake area, affirmed the cushioning effect the soil has on the performance of an underground structure during an earthquake. There were no failures due to an increase in soil pressures. Underground structures must move with the surrounding soil during earthquakes and usually will be supported by the interacting earth against crushing or collapse even if the structure joints are strained. If the earth does fault across a culvert, the tremendous forces will shear the submerged structure regardless of how the structure was designed. In special cases where underground structures are in soft ground (bay mud), consideration should be given to providing longitudinal structural continuity."

Considering the upper bound (140 pcf) of the two bands of lateral pressure shown on Caltrans Standard Plan D82, in the opinion of URS, design of the tunnel walls and roof for increased loads during earthquake shaking is unnecessary.

8.6 Spread Footings for Miscellaneous Exterior Site Features

We understand the Structural Engineer proposes to use shallow spread footings for support of miscellaneous exterior site features. Spread footings embedded and supported on a minimum section of 2 feet of well-compacted engineered fill should not exceed bearing pressures of 2,000 pounds per square foot (psf) for dead load, 3,000 psf for dead plus live loads, and 4,000 psf for all loads, including wind and seismic load. The engineered fill section beneath footings should be at least 10 feet wide and it should extend not less than 3 feet beyond the footing edge. It is worth noting that footings supporting the on-site parking structure are underlain by at least 2 feet of engineered fill placed during site grading. Where new footings are coincident with existing footings, overexcavation and replacement would be unnecessary, provided disturbance is avoided during the demolition process.

Post-construction static settlement of lightly loaded structures supported on a section of engineered fill is not expected to exceed about ½ inch. This would be in addition to the estimated seismic settlement discussed in Section 6.8 of this report.

8.7 Resistance to Lateral Loads

If additional lateral resistance is required beyond the lateral capacity of the drilled piers, passive resistance against the basement walls and embedded face of the pier cap can be utilized. Ultimate passive resistance of the soil should be estimated using an equivalent fluid weight of 400 pounds per cubic foot (pcf) acting against the face of pile caps or basement walls which are poured neat against engineered fill or undisturbed native soil; passive resistance should be capped at a maximum of 2,000 psf. This value may be increased by 25% for transient loading. Where drilled pier support is provided beneath a footing (pier cap), lateral resistance includes pier bending and pier-soil interaction in combination with passive pressure on the embedded face of the pier cap. Friction between the bottom of the pier cap and soil should be neglected. Please also note that the lateral displacement at the top of a drilled pier may be insufficient to mobilize full passive pressure against the embedded face of the pier cap. The Geotechnical Engineer

should be contacted to further evaluate the passive pressure contribution, if needed, after more details are available regarding the selected foundation system.

The mat slab at the tunnel will be capable of resisting sliding through a combination of base friction and passive earth pressure acting against the embedded faces on the perimeter. We expect it will likely bear on stiff to very stiff clayey alluvium or well-compacted engineered fill having similar properties. For these conditions, we recommend a coefficient of base friction of 0.40 be assumed, combined with an ultimate passive equivalent fluid pressure 400 pcf acting against the embedded face of footings; the latter value should be capped at maximum of 2,000 psf. The full base friction and passive pressure can be combined simultaneously, without reduction.

8.8 Exterior Flatwork

Exterior flatwork should be underlain by a minimum 2 foot thick section of well-compacted engineered fill to reduce the potential for differential movement between it and the structural slab at the building interior.

Prior to construction of the flatwork, the moisture content of the upper one foot of the subgrade should be checked to confirm it is near the laboratory optimum. If the moisture content is found to be below this level, the flatwork areas should be wetted and reworked or soaked until the proper moisture content is restored. Even with proper site preparation and moisture conditioning, some effects of soil moisture change on concrete flatwork can occur.

Exterior concrete flatwork should be cast free from adjacent footings or other edge restraints. This can be achieved by using commercially available expansion joint material between the flatwork edges and the adjacent structure. Where there is concern a tripping hazard could develop due to differential movement between the exterior flatwork and an adjoining doorways or curbs, dowel connections should be considered.

Construction or control joints should be provided in all exterior flatwork where cracking would be objectionable. This can be accomplished by installing contraction joint material as the concrete is placed or by saw cutting the fresh concrete. Contraction or weakened plane joints should extend slightly deeper than one-quarter the slab thickness to be effective. Control joints should be spaced a maximum of 30 times the slab thickness to reduce the potential for unsightly panel cracks as a result of soil movement and concrete shrinkage.

In the event that control joints are to be achieved by saw cutting, saw cuts should be made within 4 to 12 hours after the initial hardening (not curing) of the concrete, as required by atmospheric conditions. The contractor should be responsible for monitoring the concrete condition during initial set or hardening, to determine the optimal timing for saw cutting.

Reinforcement of exterior concrete slabs-on-grade or flatwork is recommended to further aid in minimizing the risk of cracking. It should be realized that reinforcement will not prevent the development of cracks, but it will aid in keeping the construction joints relatively tight and reduce the potential for differential movement between adjacent panels.

9 EARTHWORK

All site preparation and earthwork should be done under the observation of the Geotechnical Engineer and in accordance with the recommendations presented below. Suggested "Guide Specifications for Excavation and Fill" are presented as Appendix G.

9.1 Demolition, Clearing and Stripping

Areas to be graded should be stripped and cleared of structures, surface vegetation, debris, organic laden topsoil, asphalt concrete pavements, trees, shrubs and improvements designated for removal. Any fills encountered during construction should be removed. The final depths of stripping should be determined by the Geotechnical Engineer during grading. Materials resulting from the clearing and stripping operations should be removed from the site. Asphalt and portland cement concrete, if crushed to meet the specification requirements for engineered fill or aggregate base, could be stockpiled for reuse. Organic topsoil that does not contain debris also may be stockpiled, if desired, for reuse later as topsoil in landscape areas. However, the stripped soil materials should not be used as compacted fill or blended with other materials.

9.2 Excavations

After the site has been cleared and stripped, the existing soils should be excavated as required. A URS representative should examine the conditions exposed in the bottom of the excavations to assess whether loose or weak soils are present. Any loose or weak soils encountered during excavations should be removed in its entirety and replaced with well compacted engineered fill.

Excavated native soils should be stockpiled and considered reusable as general engineering fill or wall backfill. Due to the cohesionless nature of the subsurface material in some areas, sloughing and raveling of the slopes should be expected. Temporary construction excavation issues are discussed in a subsequent section of this report. Equipment and stockpiles should not be located within 10 feet from the edge of excavations.

9.3 Subgrade Preparation

Although the partial basement area will be positioned well above the groundwater level, disturbance of the subgrade could occur during construction, especially during wet winter months. Construction equipment traffic on the subgrade will likely cause rutting and pumping, particularly in areas where the exposed soils could be wet of the optimum moisture content. To minimize disturbance, it is recommended that the last 2 feet of excavation be made by equipment supported above the final subgrade level. Excavation in this manner could be accomplished by a track-mounted excavator operating at least 2 feet above the basement subgrade level.

A method that has been used successfully at VMC to improve subgrade stability is soil stabilization with lime or cement additives. We recommend the Contractor be required to stabilize the exposed subgrade to a depth of at least 18 inches below the bottom of the slab or mat level. Typically, the Contractor retains a Professional Geotechnical Engineer to design and test a soil stabilization mixture in the laboratory. The minimum 7-day unconfined compressive strength of the stabilized soil should be 300 pounds per square inch. URS should review and approve the test results before subgrade preparation proceeds.

The minimum depth of soil stabilization should be 18 inches, and the mixing equipment should have the capability to uniformly blend the stabilization products and soil to that depth.

The additive may vary somewhat, depending upon the soil type exposed in the subgrade. The subgrade is anticipated to range from clays to silty sands and clayey sands. For the Sobrato Pavilion site, 7% cement was used to stabilize the basement level subgrade consisting of silty sands to sandy silts, with moderate success. It should be noted the subgrade soil at that site was wet of optimum when subgrade stabilization began. On another local project where both clays and silty to clayey sands were exposed, a 4% Hi-Calcium quick lime and 4% Type C flyash admixture was successfully used.

Pavement subgrades should be compacted to a minimum relative compaction of 95 percent. Compaction can be accomplished using either static or vibratory equipment; the number of passes required to achieve the recommended relative compaction should be determined in the field.

9.4 Fill Materials

All general fill material should be a soil or soil-rock mixture that is free of organic matter and other deleterious substances. It should not contain rocks or lumps over 6 inches in greatest dimension, and not more than 15 percent larger than 2½ inches. The native soils should be stockpiled onsite and are generally considered to be reusable for general engineered fill. Excavated granular soils can be sorted into one stockpile onsite and reused for wall backfill.

If imported fill material is required, it should be a low plasticity, non-expansive soil or soil-rock material having a plasticity index not greater than 15 and a pH between 6 and 8. Existing aggregate base can be re-used as engineered fill material.

9.5 Fill Placement and Compaction

Fill material should be spread in uniform lifts not exceeding 8 inches in uncompacted thickness where heavy equipment is used, and not more than 4 inches where light, hand-operated compactors are used. Before compaction begins, the fill should be brought to a moisture content that will permit proper compaction by either aerating the material if it is too wet, or spraying the material with water if it is too dry. Each lift should be thoroughly mixed before compaction to ensure a uniform distribution of water content. To prevent drying of the subgrade soils, placement of fill should start immediately after the surface preparation and should proceed in a continuous operation until the site is brought to grade.

All fill material should be compacted to a minimum relative compaction of 90 percent in accordance with ASTM D1557, latest edition. Additionally, engineered fill beneath and around footings, mat foundations, behind below-grade walls, and beneath floor slabs and all pavement subgrades should be compacted to at least 95 percent. Aggregate base for asphalt concrete or portland cement concrete pavements also should be compacted to a minimum relative compaction of 95 percent.

9.6 Underground Utility Trenches

For purposes of this section of the report, bedding is defined as material placed in a trench up to 1-foot above a utility pipe and backfill is all material placed in the trench above the bedding.

Unless concrete bedding is required around utility pipes, free-draining material conforming to the City of San Jose Standard Specifications and consisting of sandy gravel to silty sand should be used as bedding. We recommend that the required pH of pipe bedding material be between 6 and 8. In our engineering opinion the granular materials encountered in the planned excavation area should not be reused as pipe bedding. Bedding material should be imported and meet requirements for Type 1 or Type 2 bedding material per City of San Jose Standard Specifications. Bedding material should be compacted by mechanical means to achieve at least 95 percent relative compaction based on ASTM D1557.

Approved, on-site, inorganic soil or imported material may be used as utility trench backfill. Proper compaction of trench backfill will be necessary under and adjacent to structural fill, building foundations, concrete slabs and vehicle pavements. In these areas, backfill should be conditioned with water (or allowed to dry) to produce a soil-water content ranging between optimum and 2 percent above the laboratory optimum moisture content. All backfill should be placed in horizontal layers not exceeding 6 inches in thickness (before compaction). Each layer should be compacted to a minimum relative compaction of 90 percent based on ASTM D1557. The upper 6 inches of pavement subgrade should be compacted to 95 percent relative compaction based on ASTM D1557.

Suggested "Guide Specifications for Trenching, Bedding and Backfill" are presented as Appendix H.

10 CONSTRUCTION CONSIDERATIONS

10.1 Drilled Pier Installation

Stiff cohesive soil and loose to medium dense and locally cemented granular soils are likely to be encountered in drilled pier excavations to a depth of about 15 feet where the conditions transition to a more cohesive profile to a depth of about 50 feet. This cohesive layer is, in turn, underlain predominantly by sand and gravel to a depth of at least 70 feet (Elevation 75 feet). While the cohesive soils will help to keep drilled pier excavations open during construction, some sloughing and caving can be expected in the near surface cohesionless interbeds and in the deeper sand and gravel layer. Therefore, it is recommended that the Contractor have casing on site, should it be needed to minimize the risk of sloughing or caving.

If casing is used for pier drilling, it should be withdrawn from the hole slowly as the concrete is being placed; a minimum 3-foot head of concrete should be maintained in the casing at all times.

We expect that piers will be designed to achieve design capacity in both skin friction and end-bearing. Pier bottoms should be hand or machine cleaned to remove soils loosened by drilling action. As discussed in Section 4.3.1.2 of the 2018 FHWA publication *Drilled Shafts: Construction Procedures and Design Methods*, this can often be accomplished using a cleaning bucket designed with blades rather than cutting teeth to facilitate removal of loosened materials and to achieve a more uniform bottom surface. The operation of the closure flaps on the clean-

out bucket, or steel plates that serve the same purpose as flaps, are critical for proper operation of the clean-out bucket. If such flaps or plates do not close tightly and allow soil to fall out of the bucket, the base cleaning operation will not be successful. To further facilitate removal of loose material remaining after machine cleaning, we recommend tremie placement of concrete. The tremie pipe should start no more than 6 inches from the bottom of hole and should be embedded a minimum of 10 feet into the concrete during placement. All drilled piers should be installed under the direct observation of the Geotechnical Engineer.

If casing is required to stabilize the drilled pier excavations during construction, it should be installed by direct pressure or oscillation only. Installation of casing by impact or vibration should not be allowed as it could cause damage to nearby rammed aggregate piers or underground utilities.

The Contractor should monitor movement of existing nearby structures and sensitive underground utilities during pier drilling.

10.2 Temporary Construction Excavations

Safety standards set by OSHA limit the height of unshored vertical excavations to 5 feet if construction personnel will be working in the excavations. OSHA classifies soils in detail as Type A, B or C. In general, Type A soils are stronger, Type B soils are intermediate, and Type C soils are weaker. Based on the soil type, depth, duration the excavation is open, and sequence of soils exposed in excavations, OSHA 1926 Subpart P App B - Sloping and Benching provides recommendations for maximum allowable slopes. For example, for excavations in homogeneous soils 20 feet or less in depth, they state that maximum allowable slopes (horizontal to vertical) should be ¾ to 1, 1 to 1, and 1½ to 1 for Types A, B and C soils, respectively. Based on the strength of the soils encountered between about Elevation 145 and 130 feet (i.e., within the anticipated depth of the basement excavation), soils are considered to be OSHA Types B and C. Equipment and stockpiles should not be stored within 10 feet from the hinge point of the excavation slopes. Due to the sandy nature of the some of the surficial native soils, sloughing or raveling of temporary slopes should be expected.

10.3 Temporary Excavation Support

We understand shoring likely will be required to provide temporary support of the basement excavation. Although specific details of the systems have not been developed, we expect both cantilever and restrained shoring systems could be required. These might include secant pile or soldier pile and wooden lagging walls, with or without tiebacks. The presence of major underground utility lines and vaults in the areas surrounding the proposed BHSC site will likely influence the selection of the system to be used. As such, as-built information and potential interference with these underground items should be made available for development of geotechnical parameters and recommendations.

10.4 Construction Dewatering

Groundwater at the site is relatively deep, more than 50 feet below the expected depth of the basement excavation at the site. Therefore, it is unlikely that groundwater will be encountered in the basement excavation or underground utility trenches. However, during the rainy season

surface runoff water could collect in excavations. In that event, we anticipate that dewatering can be accomplished with standard sumping procedures.

11 LIMITATIONS

This study and resulting report were completed to provide geotechnical design parameters for the proposed Behavioral Health Services Center project.

The recommendations contained in this report are based on the information obtained from exploratory borings, CPTs, URS' review of existing data from previous explorations, other direct design and construction experience at VMC, and engineering judgment. They are based on the assumption that soil and geologic conditions do not deviate substantially from those revealed in the recent and historic explorations. The new exploration locations were approximately located based on existing site features. The elevations shown on the logs of borings are based on spot elevations presented on a partial topographic survey by Sandis dated October 2020.

If any variations or undesirable soil conditions are encountered during construction, or if the proposed construction will differ from that proposed at the present time, the Geotechnical Engineer should be notified so that supplementary recommendations, if necessary, can be provided. When details of the foundation system design have been finalized, the applicability of the geotechnical parameters should be reviewed. The Geotechnical Engineer also should review the foundation and grading plans prior to construction. All earthwork, grading, paving and foundation construction also should be completed under the observation of the Geotechnical Engineer.

Existing facilities, utilities, soils/bedrock conditions, road/structure distress, slope distress or groundwater/seepage conditions other than those noted herein have not been considered in the preparation of this report. Locating utilities and evaluating potential utility interference is outside the scope of this report. Individuals utilizing this report should inform URS if they are aware of any additional facilities or site conditions so that their presence and impact upon the project (or vice-versa) can be properly evaluated and recommendations modified to address geotechnical issues as necessary.

No environmental studies were performed by URS for this project.

The opinions and recommendations presented in this report were developed with the standard of care commonly used by other professionals practicing at the same time, within the same locality and under the same limitations. No other warranties are included, either express or implied, as to the professional advice included in this report.

12 REFERENCES

Association of Bay Area Governments, 2007, Floodplain Maps, abag.ca.gov/bayarea/eqmaps/eqfloods/floods

Bortugno, E.J., McJunkin, R.D. and Wagner, D.L., 1991, Map showing recency of faulting, San Francisco-San Jose Quadrangle, California, California Division of Mines and Geology, Geologic Map of the San Francisco-San Jose Quadrangle, 1:250,000.

Brabb, E.E. and Dibblee, T.W., 1974, Geologic map Santa Clara County, California, U.S. Geological Survey Special Report 107, scale 1:62,500

Brabb, E.E., and W.F. Hanna, 1981. Maps showing aeromagnetic anomalies, faults, earthquake epicenters, and igneous rocks in the southern San Francisco Bay Region, California: U.S. Geological Survey Geophysical Investigations map GP-932 Scale 1:125,000.

Bryant, W.A., compiler, 2017, Fault number 245, San Jose fault, Fault number 244, Stanford fault, in Quaternary fault and fold database of the United States: U.S. Geological Survey website, https://earthquakes.usgs.gov/hazards/qfaults, accessed 03/27/2020.

Bürgmann, R., Arrowsmith, R. and Dumitru, T., 1994, Rise and fall of the southern Santa Cruz Mountains, California, from fission tracks, geomorphology, and geodesy, Journal of Geophysical Research, v. 99B, p. 20,181-20,202.

California Department of Water Resources, 1975. Evaluation of ground water resources, south San Francisco Bay: The Resources Agency, Department of Water Resources, Bulletin No. 118-1, Volume 3, Northern Santa Clara County Area. 133 p.; scale: 1 inch equals approx. 2.2 mi.

California Division of Safety of Dams (DSOD), 2019. California Dam Breach Inundation Maps, https://fmds.water.ca.gov/maps/damim/, accessed on 9/18/2019.

California Geological Survey, 2000, Digital images of official maps of the Alquist-Priolo earthquake fault zones of California, central coast region, California Geologic Survey, CD-2000-004.

California Geological Survey, 2001, Seismic hazard zones, San Jose West Quadrangle, gmw.consrv.ca.gov/shmp/index.htm

County Radon Info, 2019, Radon Levels in Santa Clara County, http://county-radon.info/CA/Santa_Clara.html, accessed on 9/23/2019.

Ensoft, 2019, LPILE for Windows, Version 2019-11.002

Environmental Protection Agency (EPA), EPA Radon Zones Map, https://geopub.epa.gov/Radon/, accessed on 9/23/2019.

Fenton, C.H. and Hitchcock, C.S., 2002, Recent geomorphic and paleoseismic investigations of thrust faults in Santa Clara Valley, California, in Engineering Geology Practice in Northern California, Ferriz, H. (ed.) California Division of Mines and Geology, p. 71-89.

Federal Highway Administration, 2018, Drilled Shafts: Construction Methods and Design Procedures, Publication No. FHWA-NHI 18-024 FHWA GEC.

Hitchcock, C.S. and Kelson, K.I., 1999, Growth of late Quaternary folds in southwest Santa Clara Valley, San Francisco Bay Area, California: Implications of triggered slip for seismic hazard and earthquake recurrence, Geology, v. 27, p. 387-390.

Jennings, C.W., 1994, Fault activity map of California and adjacent areas with locations and ages of recent volcanic eruptions, California Division of Mines and Geology, 1:750,000.

Jones, D.L., Graymer, R., Wang, C., McEvilly, T.V. and Lomax, A., 1994, Neogene transpressive evolution of the California Coast Ranges, Tectonics, v. 13, p. 561-574.

Knudsen, K.L., Sowers, J.M., Witter, R.M., Wentworth, C.M., and Helley, E.J., 2000, Preliminary maps of Quaternary deposits and liquefaction susceptibility, nine county San Francisco Bay region, California, U.S. Geological Survey Open-File Report 00-444, 60 p + 2 maps.

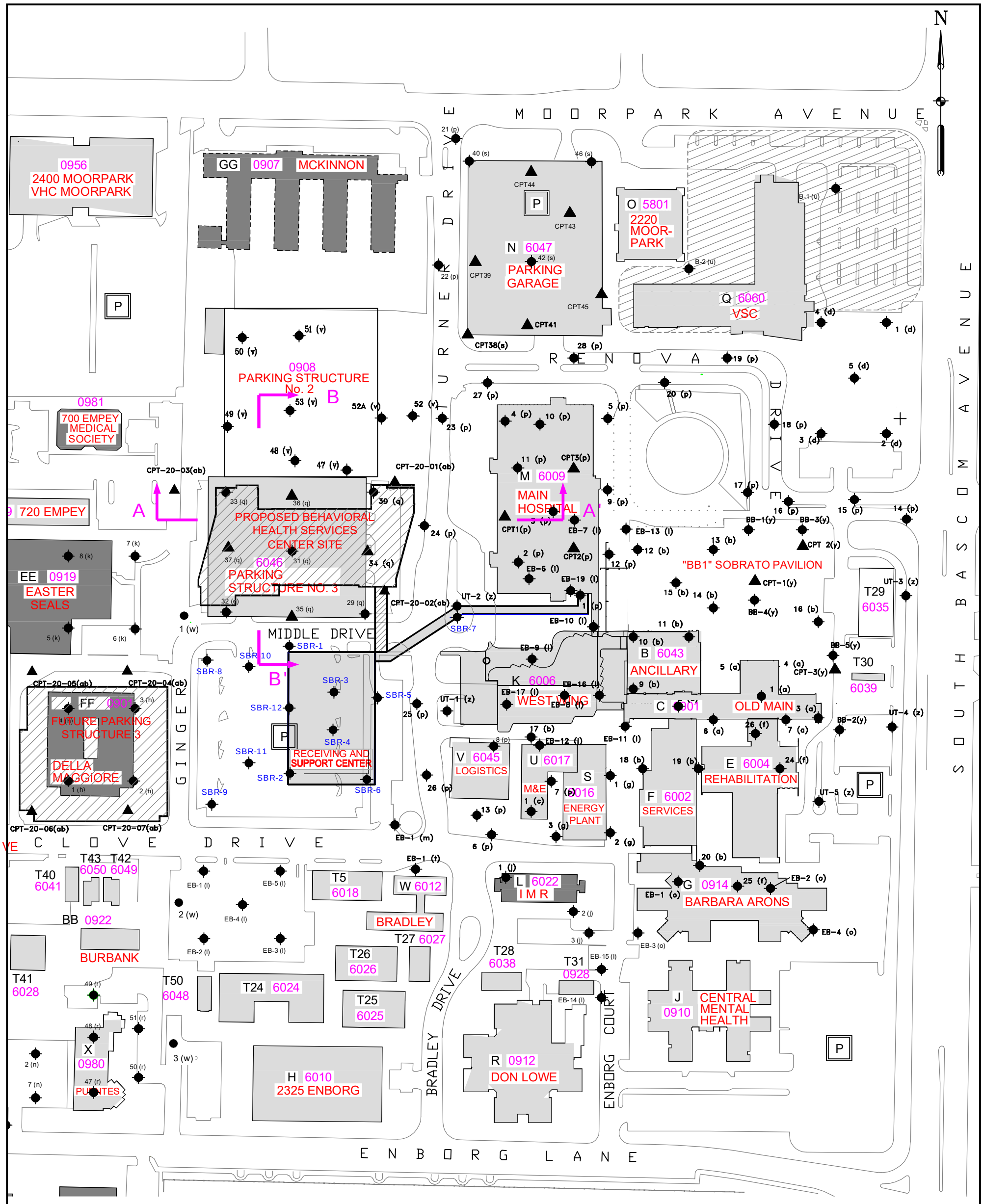
Santa Clara County Geologic Hazard Zones, 2002, map sheet 27, www.sccplanning.org

Tokimatsu, K. and Seed, H.B., 1987, Evaluation of Settlements in Sands Due to Earthquake Shaking, Journal of Geotechnical Engineering, Vol. 113 No. 8.

V&A, 1992, Santa Clara Valley Medical Center-Corrosion Control.

V&A, 2010, Soil Corrosivity Investigation for Santa Clara Valley Medical Center, San Jose, CA, Technical Memorandum, March 25.

Witter, R.C., Knudsen, K.L., Sowers, J.M., Wentworth, C.M., Koehler, R.D., and Randolph, C.E., 2006, Maps of Quaternary deposits and liquefaction susceptibility in the central San Francisco Bay region, California, in cooperation with the California Geological Survey: A digital database, U.S. Geological Survey, Open-File Report 2006-1037.



LEGEND:

- Approximate location of exploratory boring
- Approximate location of Cone Penetration Test

KEY TO PREVIOUS GEOTECHNICAL STUDIES

(a) Woodward-Clyde & Associates, June 1955
(b) Woodward-Clyde & Associates, May 1956
(c) Woodward-Clyde-Sherard & Associates, July 1963
(d) Woodward-Clyde-Sherard & Associates, November 1965
(e) Woodward-Clyde-Sherard & Associates, February 1965
(f) Woodward-Clyde-Sherard & Associates, March 1966
(g) Woodward-Clyde-Sherard & Associates, July 1966
(h) Woodward-Clyde-Sherard & Associates, May 1967
(j) Woodward-Lundgren & Associates, June 1972
(k) Woodward-Clyde & Associates, June 1977
(l) John V. Lowney & Associates, September 1984 (SCV Medical Center Expansion)
(m) John V. Lowney & Associates, April 1985 (Water Tank)
(n) Woodward-Clyde Consultants, March 1986
(o) John V. Lowney & Associates, May 1986
(p) Woodward-Clyde Consultants, September 1993 (New Main/North Tower Project)
(q) Woodward-Clyde Consultants, April 1994 (West Parking Deck)
(r) Woodward-Clyde Consultants, April 1994 (Methadone/PSAP Clinic)
(s) Woodward-Clyde Consultants, June 1994 (Parking Structure)
(t) Donald E. Banta & Associates, August 2001 (Children's Interview Clinic, Bldg. W)
(u) URS, December 2001 (Valley Specialty Center)
(v) URS, June 2007 (Parking Structure #2)
(w) URS, July 2007 (Ginger Lane Extension)
(x) URS, September 2009 (Remova Drive Relocation)
(y) URS, January 2008 (Replacement Bed Buildings One and Two)
(z) URS, March 2010 (Joint Utility Trenchs)
(aa) URS, August 2010 (Services Building Replacement, Renamed Receiving & Shipping Center)
(ab) URS, September 2020 (Behavioral Health Service Center)

URS

BEHAVIORAL HEALTH SERVICES CENTER
SANTA CLARA VALLEY MEDICAL CENTER
San Jose, California

SITE AND EXPLORATION LOCATION PLAN

Not to Scale
Figure
1
NOVEMBER, 2020

A

A'

CPT-20-03

FR,% 10 5 0 | Q,tsf 0 400 800

9/28/20

33

Lean CLAY (CL)

SILT (ML)

Sandy SILT to Silty SAND (ML-SM)
Lean CLAY (CL)

3/8/94

B-48

Sandy lean CLAY (CL)

Silty SAND (SM)

SILT (ML)
Sandy lean CLAY (CL)

Sandy, silty CLAY (CL-ML)

Sandy SILT (ML)
Sandy lean CLAY (CL)

Lean CLAY (CL)

Silty SAND (SM)

Poorly graded GRAVEL (GP)

2/7/07

B-47

Sandy lean CLAY (CL)
Silty SAND (SM)

Sandy lean CLAY (CL)

Clayey SAND (SC)

Lean CLAY (CL)

Sandy, silty CLAY (CL-ML)

Poorly graded SAND (SP)

2/7/07

CPT-20-01

FR,% 10 5 0 | Q,tsf 0 400 800

9/29/20

CPT 1

FR, % 10 0 | Q, tsf 500

7/21/93

09 / 95

11

SILT (ML)

Lean CLAY (CL)

SILT (ML)
Silty SAND (SM)
Lean CLAY (CL)

Silty SAND (SM)

Well-graded GRAVEL with SAND (GW)

Well-graded GRAVEL with SAND (GW)

SILT (ML)
Lean CLAY (CL)

Silty SAND (SM)
Well-graded GRAVEL (GW)
SILT with sand (ML)
Well-graded GRAVEL (GW)

7/14/93

Younger Alluvium

Older Alluvium

ELEVATION, feet

150 140 130 120 110 100 90 80 70 60 50 40

0 1,000 2,000 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000 11,000

DISTANCE, feet

East-West Profile (Section A-A')

Project: Behavioral Health Services Center

Project Number: 60633137

SILT (ML) | Lean CLAY (CL) | Silty SAND (SM) | Well-graded GRAVEL (GW) with sand | Well-graded GRAVEL (GW) | Groundwater level measured in 09/95 during Main Hospital drilled shaft excavation

SILT (ML) with sand | Asphalt | Poorly graded GRAVEL | Sandy SILT to Silty SAND (ML-SM) | Poorly-graded GRAVEL (GP) with sand

Sandy lean CLAY (CL) | Silty SAND (SM) with gravel | Clayey SAND (SC) with gravel | Lean CLAY (CL) with sand | Sandy silty CLAY (CL-ML)

Figure 2a

B

B'

B-53

B-48

31

CPT-20-02

SBR-01

FR,%

Q,tsf

Sandy lean CLAY (CL)

Silty SAND (SM)

Sandy, silty CLAY (CL-ML)

Sandy lean CLAY (CL)

Silty SAND (SM)

Sandy, silty CLAY (CL-ML)

Sandy SILT (ML)

Sandy lean CLAY (CL)

SILT (ML)

Well-graded SAND (SW)

Silty SAND (SM)

SILT (ML)

Lean CLAY (CL)

Well-graded SAND (SW)

Sandy lean CLAY (CL)

Lean CLAY (CL)

Poorly graded SAND (SP-SM)

Lean CLAY (CL)

Well graded GRAVEL with silt and sand (GW-GM)

Lean CLAY (CL)

Poorly graded SAND (SP-SM)

Silty CLAY (CL)

Poorly graded SAND (SP-SM)

Lean CLAY (CL)

Poorly graded SAND (SP-SM)

Silty, clayey SAND (SC-SM)

Silty SAND (SM)

Lean CLAY (CL)

Lean CLAY (CL)

Silty SAND (SM)

Poorly graded SAND (SP-SM)

Poorly graded GRAVEL (GP)

Poorly graded GRAVEL (GP)

Younger Alluvium

Older Alluvium

3/8/94

9/29/20

2/7/07

2/8/07

3/16/10

ELEVATION, feet

DISTANCE, feet

150 140 130 120 110 100 90 80 70

0 1,000 2,000 3,000 4,000 5,000 6,000 7,000 8,000 9,000

North-South Profile (Section B-B')

Project: Behavioral Health Services Center

Project Number: 60633137

Asphalt

Poorly-graded GRAVEL (GP)

SILT (ML)

Well-graded SAND (SW) with gravel

Silty SAND (SM)

Groundwater Level at completion of drilling

Lean CLAY (CL)

Sandy lean CLAY (CL)

Poorly-graded GRAVEL (GP) with sand

Poorly graded SAND (SP-SM) with silt and gravel

Silty SAND (SM) with gravel

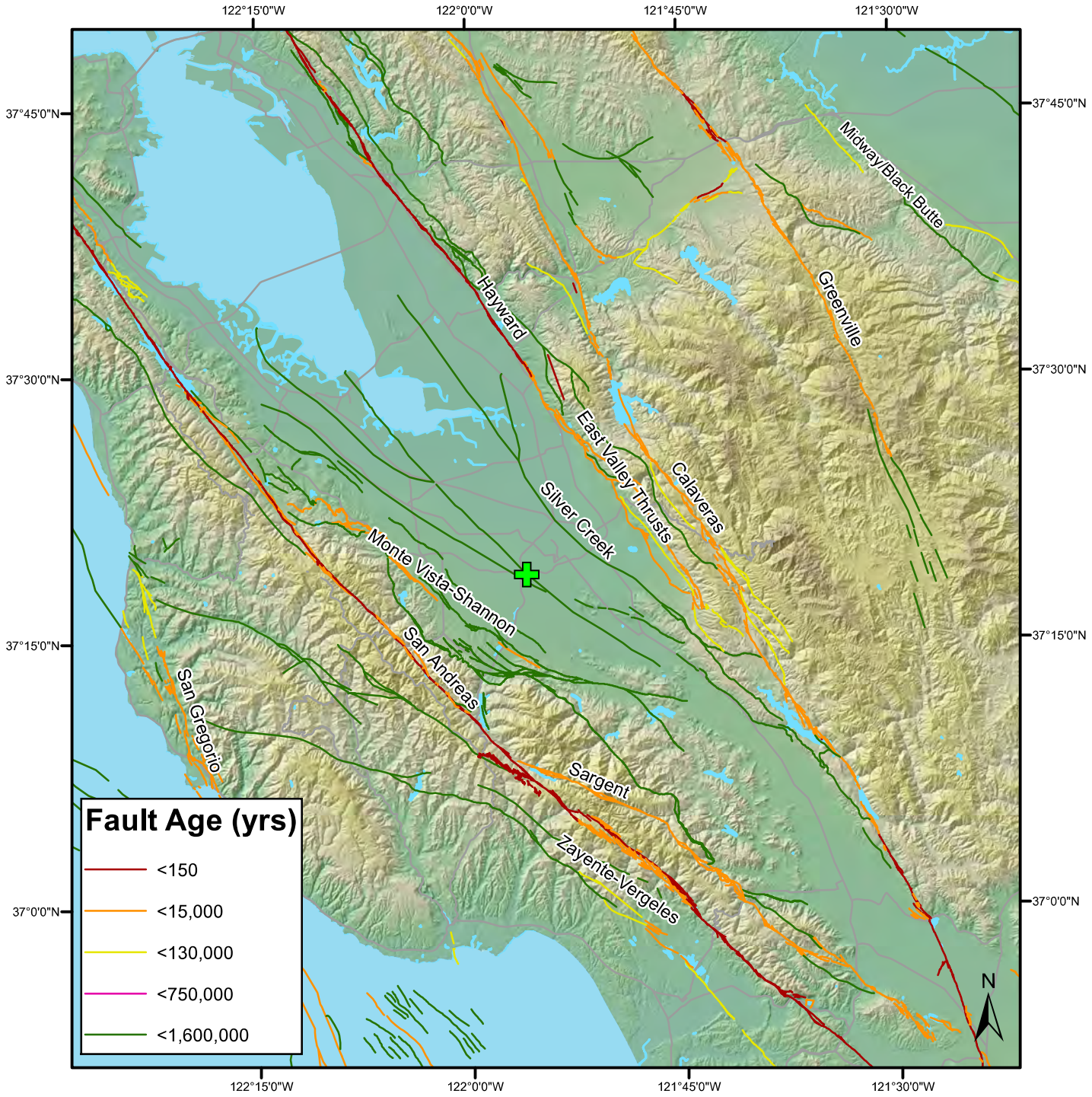
Sandy lean CLAY (CL) with gravel

Sandy silty CLAY (CL-ML)

Sandy SILT (ML)

Silty CLAY (CL-ML)

Figure 2b

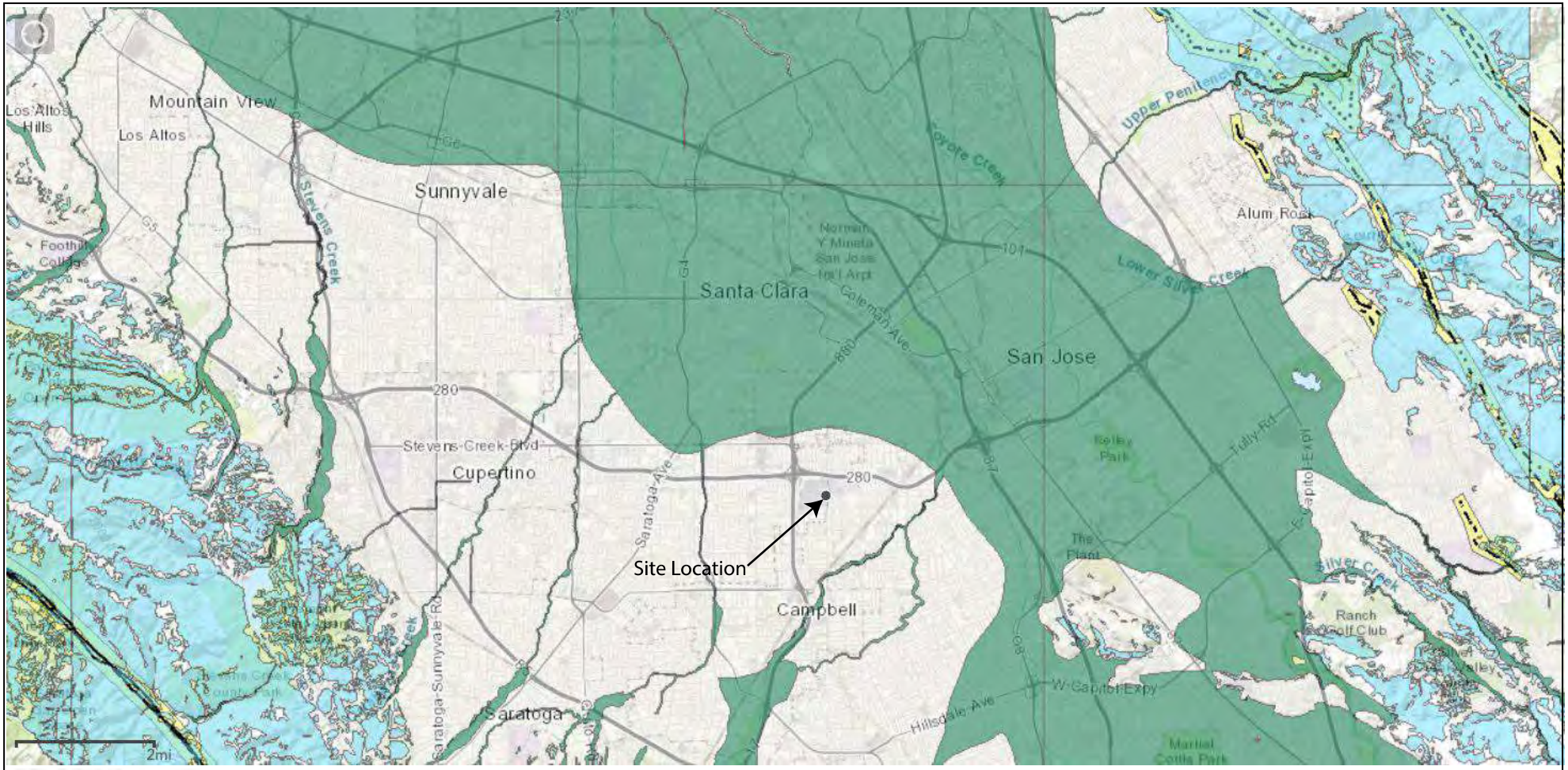


Santa Clara Valley Medical Center

Kilometers
0 10 20 40

Miles
0 3 6 12 18 24

URS	Project No. 60633137 Santa Clara Valley Medical Center, San Jose, CA	ACTIVE FAULTS IN THE SITE REGION	Figure 3



Fault Traces

- Accurately Located
- Approximately Located
- Approximately Located, Queried
- Inferred
- Inferred, Queried
- Concealed
- Concealed, Queried
- Aerial Photo Lineament

Fault Zone

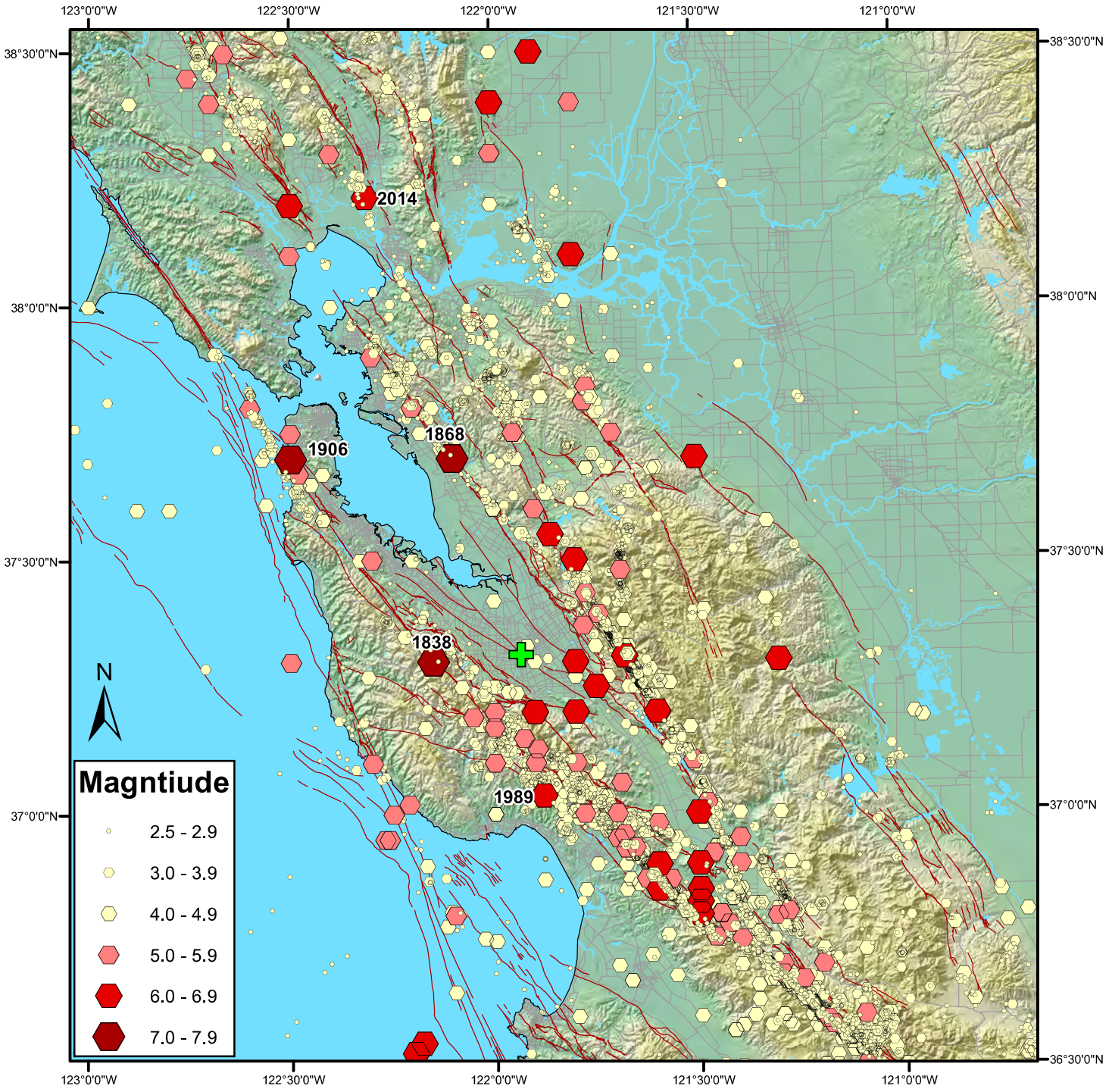
Liquefaction Zone

Landslide Zone

Liquefaction Landslide Overlap Zone

Source: California Geological Survey (CGS) Earthquake Zones of Required Investigation
https://maps.conservation.ca.gov/cgs/EQZApp/app/

URS	Project No. 60633137 Santa Clara Valley Medical Center San Jose, CA	Fault, Liquefaction and Landslide Hazard Zones	Figure 4



Quaternary Fault

Santa Clara Valley Medical Center

Kilometers
0 20 40 80

Miles
0 5 10 20 30 40

URS	Project No. 60633137 Santa Clara Valley Medical Center, San Jose, CA	HISTORICAL SEISMICITY (1769-2019)	Figure 5

GEOLOGIC REPORT

■■■■■■ GEOLOGIC/SEISMIC HAZARDS EVALUATION

SANTA CLARA VALLEY MEDICAL CENTER EXPANSION

San Jose, California

Prepared for

Anshen + Allen, Architects
901 Market Street
San Francisco, California 94103

August 1993

Woodward-Clyde Consultants
55 South Market Street
Suite 1650
San Jose, California 95113

91C-0846-R

Woodward-Clyde Consultants

Engineering & sciences applied to the earth & its environment

August 13, 1993

Project 91C-0846-R

Mr. Bruce A. Nepp, AIA
Senior Associate
Anshen + Allen, Architects
901 Market Street
San Francisco, CA 94103

Re: Geologic/Seismic Hazards Evaluation
Santa Clara Valley Medical Center Expansion

Dear Mr. Nepp:

Transmitted herewith is our evaluation of geologic and seismic hazards relevant to the proposed expansion of the Santa Clara Valley Medical Center in San Jose, California. This evaluation supersedes our previous submittal of September 2, 1992 and incorporates updated information regarding recent faulting in the project region. It is designed to address the applicable requirements of the California Code of Regulations. The evaluation was made by the undersigned engineering geologist, assisted by Mr. Robert Green, a Geotechnical Engineer specializing in earthquake engineering, and Mr. Ivan Wong, our Senior Seismologist, in consultation with the undersigned Geotechnical Engineer. Our report on the results of geotechnical engineering services provided concurrently under the terms of the above-cited proposal will be issued separately. Input from that report is contained in the present report.

Based upon our evaluation of the available data and a site reconnaissance, we have concluded that there are no geologic or seismic hazards that would preclude the planned construction and site usage. Nonetheless, the soil conditions are such that careful attention must be paid to incorporating the recommendations of the geotechnical engineering report in the foundation design.

We appreciate having been given the opportunity to prepare this report. Please call us if you have any questions regarding our findings and conclusions, or if we can be of further assistance.

Sincerely,

Kenneth D. Weaver

Kenneth D. Weaver
Senior Project Geologist
RG 675, CEG 300

Paul J. Boddie

Paul J. Boddie
Associate
G.E. 0152

55 South Market Street, Suite 1650 • San Jose, CA 95113 • (408) 297-9585 • Fax: (408) 297-6962

TABLE OF CONTENTS

TABLE OF CONTENTS (continued)

TABLE OF CONTENTS (concluded)

LIST OF TABLES

LIST OF FIGURES

1.0 INTRODUCTION

This report presents the results of our evaluation of geologic and seismic hazards relevant to the proposed expansion of the Santa Clara Valley Medical Center, in San Jose, California (see Figure 1). The subject site is located in the city blocks bounded on the north by Moorpark Avenue, on the east by South Bascom Avenue, on the south by Enborg Lane, and on the west by Ginger Lane. This evaluation is designed to address the applicable requirements of Chapter 23, Section 2312, pp. 179.33 and 179.34, of the Uniform Building Code, and to identify geologic and seismic conditions that may require mitigation.

2.0 PROJECT DESCRIPTION

We understand that the currently proposed Phase One project will include a 5 story, 300,000 square foot North Tower and an enlarged 19,000 square foot Central Plant. We further understand that the North Tower is to have a full basement, extending 16 feet below grade and matching the basement of the existing West Wing. We have been advised that an Ambulatory Care Building and a parking structure are to be constructed in a subsequent phase of the expansion.

3.0 SCOPE OF WORK

The geologic work leading to this report was performed by a Certified Engineering Geologist, in consultation with Registered Geotechnical Engineers and a seismologist. It included a site visit and a review and evaluation of information contained in the maps and reports listed under the heading of References. Those references include the Seismic Safety Element of the General Plan of the City of San Jose.

4.0
SITE DESCRIPTION

The Santa Clara Valley Medical Center is located on a graded site that slopes downward to the north, from an elevation of about 156 feet in the vicinity of Enborg Lane to approximately 140 feet at Moorpark Avenue (see Figure 2). The site is occupied in part by hospital and related buildings, and in part by paved parking areas, together with roadways, sidewalks, and landscaped areas. The site of the planned new North Tower is occupied by 3 wood-frame buildings. The Central Plant site is occupied by an existing plant, the adjoining laundry, and an incinerator.

5.0 FAULTING AND SEISMICITY

5.1 REGIONAL SEISMIC SOURCES

Numerous active faults are present in the San Francisco Bay Region, as shown on Figure 3. The major regional and local seismic sources potentially pertinent to the site include the San Andreas, Sargent, Hayward, Calaveras, and Seal Cove - San Gregorio fault zones (see Table 1). The San Andreas fault is about 9 miles (14.4 km) southwest of the site, the Sargent fault is about 12 miles (19 km) southwest of the site, the Hayward fault is about 7.5 miles (12 km) to the northeast, the Calaveras fault is approximately 11 miles (17.6 km) to the northeast, and the Seal Cove - San Gregorio fault is located about 23 miles (37 km) southwest of the Santa Clara Valley Medical Center. The Working Group on California Earthquake Probabilities [WGCEP] (1990) has estimated that there is a 67% chance that one or more large earthquakes (magnitude 7 or greater) will occur on the San Andreas, Hayward or Calaveras faults during the 30 year period between 1990 and 2020.

5.1.1 San Andreas Fault Zone

The San Andreas fault was the source of the moment magnitude (M_W) 8 San Francisco earthquake of 1906, which caused extensive damage in San Francisco and elsewhere in the Bay area, and of the M_W 7 Loma Prieta earthquake of October, 1989. The estimated maximum credible Richter magnitude (M_L) for the San Andreas fault is 8.5 (Wesson et al., 1975). The Santa Clara Valley Medical Center is within a large area expected to undergo seismic effects equivalent to intensity IX on the Rossi-Forel scale in the event of a Richter magnitude 8.3 earthquake on the San Andreas fault in the San Francisco Bay Area (Davis et al., 1982). However, based on the results of recent studies by the Working Group on California Earthquake Probabilities [WGCEP] (1990), the "expected" earthquake on the San Francisco Peninsula segment of the San Andreas fault would be in the range of M_W 6.5 to 7, and the "expected" earthquake on the North Coast segment of that fault would be an M_W 8. The estimated probabilities for occurrence of those events during the period 1990 to 2020 are 37% and 2%, respectively.

5.1.2 Sargent Fault

The Sargent fault is part of a 94-km-long system of southwestward-dipping thrust and reverse faults that extends along the base of the eastern foothills of the Santa Cruz Mountains from Menlo Park to the vicinity of San Juan Bautista. This complexly branching system includes the Berrocal fault and Monte Vista fault (Sorg and McLaughlin, 1975), which are not known to be Holocene active features (Bortugno et al, 1991). It is associated with the San Andreas fault, and possibly with some aftershocks of the 1989 Loma Prieta earthquake.

5.1.3 Hayward Fault Zone

The Hayward fault is a major component of the San Andreas fault system, extending about 60 miles (96 km) from Mt. Misery, east of San Jose, to San Pablo Bay. It was the source of major earthquakes that caused extensive destruction in the San Francisco Bay Region in 1836 and 1868. The magnitudes of those earthquakes have been estimated to be in the range of M_W 6.8 to 7. The Hayward fault has been predicted to be capable of producing a similar earthquake in the relatively near future (Agnew et al., 1988; Working Group, 1990). The results of recent studies indicate that the Hayward fault is segmented; the 1836 earthquake is believed to have occurred on the northern segment, and the 1838 earthquake is believed to have occurred on the southern segment. It has been estimated that there is a 23% chance that a M_W 7 earthquake will occur on the southern segment of the Hayward fault, nearest to the site, within the next 30 years (Working Group on California Earthquake Probabilities, 1990).

The Valley Medical Center is within a wide zone where seismic effects equivalent to intensity VIII on the Modified Mercalli scale might be felt in the unlikely event of an M_L 7.5 earthquake on the Hayward fault (Steinbrugge et al., 1987). (The Rossi-Forel and Modified Mercalli scales are presented in Table 2.) That magnitude was used for disaster planning purposes and, due to segmentation of the fault, probably is higher than should be expected.

In the Earthquake Planning Scenario for the Hayward fault, prepared by the California Division of Mines and Geology (Steinbrugge et al., 1987), the scenario earthquake of M_L

7.5 had faulting extending 62 miles, and had a maximum offset of up to 10 feet (average 5 feet). This assumes that the total length of the fault would rupture, which is not considered as realistic by the Working Group on California Earthquake Probabilities (1990). More realistically, the northern and southern segments of the Hayward fault will rupture independently of one another. Therefore, the maximum probable and maximum credible earthquakes for each of these segments is considered to be a M_W 7.

5.1.4 Calaveras Fault Zone

The Calaveras fault is a major component of the San Andreas fault system, extending about 78 miles (125 km) from the vicinity of Hollister, on the south, to the vicinity of Danville, on the north. It was the source of earthquakes of magnitude greater than 5 in 1897, 1911, 1949, 1955, 1979 and 1984 (Hoose, 1987). The strongest of those was a magnitude 6 1/2 event, near Mount Hamilton, in 1911. The Calaveras fault is believed capable of producing an earthquake in the same magnitude range as could be produced by the Hayward fault (Slemmons and Chung, 1982). However, due to its greater distance, it is less significant to the site.

5.1.5 Seal Cove/San Gregorio Fault Zone

The Seal Cove/San Gregorio fault zone is part of a series of faults that includes the Palo Colorado, Sur, San Simeon, and Hosgri faults. The combined fault length is about 400 km. This series of faults is located to the west of the San Andreas fault, and evidently is connected to the San Andreas fault near Bolinas. It is located offshore from San Francisco, but is located on land south of Monterey Bay. Based upon information presented by Wesson et al., (1975) and Wesnousky, (1986), the maximum probable earthquake (MPE) on this fault would be a magnitude 7.4, and the maximum credible earthquake (MCE) would have a magnitude of 7.7. Based upon rupture along half the combined length of the fault zone and on the possibility that a significant vertical component might occur, the potential for an MCE of magnitude 8.5 has been postulated (Weber and Cotton, 1981). However, based upon segmentation and an individual fault length of 185 km, the MCE would be in the range of 7.3 to 7.6. Assuming strike-slip displacement and a fault length of about 400 km, the MCE would be in the range of 7.6 to 7.8. The recurrence interval for major earthquakes (M = 7.5) has been estimated to be about 325 years. The maximum

historic earthquakes attributed to the Seal Cove/San Gregorio fault zone occurred within an hour of each other on October 22, 1926; each had a magnitude of 6.1 (Weber and Cotton, 1981).

5.2 LOCAL FAULTS

Reference to a California Divisions of Mines and Gelogy (CDMG) map showing recency of faulting in the project region (Bortugno and others, 1991) indicates that the nearest fault that is known or believed to have ruptured at the surface during Holocene time is the Evergreen fault, located about 6.8 miles (10.9 km) to the northeast of the Santa Clara Valley Medical Center. Other, more proximate, faults in the San Jose area have been classified as Late Quaternary or Quaternary (undifferentiated) features by CDMG (Bortugno and others, 1991), and may be capable of producing small earthquakes, but should not be considered to be significant seismic sources for the purposes of structural design.

Various local faults, including those described below, have been postulated to be present beneath the valley floor in the San Jose area. The locations of these features are not accurately known, as they have not been directly observed in that area. They reportedly displace Quaternary sediments, but - in general - the age of most recent movement is unknown. Two faults in this category are postulated to be present in the general vicinity of the Santa Clara Valley Medical Center, as described below under the heading of "DWR faults".

5.2.1 Evergreen Fault

Geogologic mapping by Dibblee (1972) delineated the Evergreen fault as a continuous, linear feature that affected Holocene deposits, leading to it being zoned for special studies pursuant to the provisions of the Alquist-Priolo Act. As mapped by Dibblee (1972) the Evergreen fault lies to the west of a prominent, sinuous scarp on a pediment surface that displays remnants of Cretaceous conglomerates and shale. The California Department of Water Resources (1975), by means of a computer-assisted interpretation of well logs, found discontinuous evidence of truncated aquifers possibly indicative of a buried fault, in the general area of the Evergreen fault delineated by Dibblee (1972). Herd (unpublished data) subsequently mapped the Evergreen fault as a series of discontinuous, somewhat sinuous

east-dipping thrust faults. Bryant (1981) also found the Evergreen fault to be discontinuous, but, in reviewing the results of investigations by various consultants, he found convincing evidence of Holocene displacement on other segments of the Evergreen fault. Due to its limited extent and to its proximity to the Hayward fault, the Evergreen fault is less significant as a seismic source than is the Hayward fault.

5.2.2 Silver Creek Fault

A fault hazard map compiled by the City of San Jose (1983) indicates that the Silver Creek fault extends northwestward across San Jose, to the east of the downtown area. The first set of fault hazard maps issued by the California Division of Mines and Geology (CDMG) pursuant to the requirements of the Alquist-Priolo Act (California, State of, 1974) zoned part of the Silver Creek fault. However, following photointerpretation studies and a review of studies done by various consulting firms, the CDMG later found that the Silver Creek fault probably has not ruptured at the ground surface during Holocene geologic time (Bryant, 1981), and deleted that zoning (California, State of, 1982). Nonetheless, a scattering of earthquake epicenters in the general vicinity of the Silver Creek fault may be indicative of continued seismic activity. The Silver Creek fault is inferred to pass about 4 miles (6.4 km) to the northeast of the Santa Clara Valley Medical Center.

5.2.3 DWR Faults

The California Department of Water Resources (1975) used computer-assisted interpretations of well drillers' logs to identify apparent discontinuities in aquifers and to postulate the presence of concealed faults in the San Jose area. The Silver Creek fault was identified by these studies, but that portion of the fault which has affected unconsolidated sediments appears to terminate against the north-south-trending Edenvale fault, which was similarly identified. As these various features were postulated on the basis of data from very widely-spaced wells, their locations - assuming that they actually exist, are not at all precise. One of these hypothesized features, which is unnamed, is delineated as passing through the northeastern corner of the Santa Clara Valley Medical Center campus (see Figure 4). As delineated by the California Department of Water Resources (1975), this feature is about 14.4 miles long, and is inferred to be a normal fault that is relatively down-dropped to the northeast. It is indicated to be a branch of the Santa Clara fault, which also

was hypothesized from well drillers' logs (California Department of Water Resources, 1975). The latter fault is delineated as passing about 2,000 feet to the southwest of the Santa Clara Valley Medical Center. Neither of these features was identified by Brabb and Hanna (1981) during subsequent studies to identify faults on the basis of aeromagnetic anomalies. However, they were delineated by Bortugno and others (1991), who classified them as Quaternary features with possibly more recent displacement.

5.2.4 Cascade Fault

The Cascade fault was identified by the California Department of Water Resources (1975), and subsequently was delineated by Bortugno and others (1991) as a 22 mile (35 km)-long feature extending from the Santa Teresa Hills on the southeast to the Los Altos Hills on the northwest. It also is shown on the City of San Jose (1983) fault hazard maps, but is not indicated to require special studies. The California Department of Water Resources (1975) indicates that the Cascade fault is down-dropped to the southwest. Bortugno and others (1991), who classified it as a Late Quaternary feature with possibly more recent displacement. The Cascade fault passes about 2 miles (3.2 km) to the southwest of the Santa Clara Valley Medical Center.

5.2.5 San Jose Fault

Brabb and Hanna (1981) used aerial magnetometer data to identify anomalies that might indicate the presence of faults in the southern San Francisco Bay Area. One of these features, which they labeled the San Jose fault, passes approximately 1 mile (1.6 km) to the northeast of the Santa Clara Valley Medical Center. It appears to correlate closely with the locations of two "DWR faults" in the Mountain View/Sunnyvale area. The southern part of this hypothesized fault appears to correspond to the Coyote Creek fault, which is a pre-Holocene reverse fault where mapped in the Morgan Hill and Mt. Sizer quadrangles (Bryant, 1981). Brabb and Hanna (1981) inferred that the San Jose fault connects with their hypothesized Redwood City fault, forming an 85 km-long feature. They indicate the presence of a few earthquake epicenters adjacent to this feature in the vicinity of Coyote, but none farther north.

5.2.6 Santa Teresa Fault

The Santa Teresa fault, about 4.4 miles (7 km) southwest of the Santa Clara Valley Medical Center, was postulated by Brabb and Hanna (1981) on the basis of magnetic anomalies. This feature is about 15.6 miles (25 km) long, extending from the Coyote fault in the vicinity of Anderson Lake County Park to the vicinity of Vasona Reservoir. Brabb and Hanna (1981) delineate an earthquake epicenter cluster at the latter location.

6.0
GEOLOGIC SETTING

The site is located on alluvial fan sediments of Holocene geologic age, deposited near an ancient channel of Los Gatos Creek (see Figure 4). These deposits reportedly consist of medium dense to dense gravelly sand to sandy gravel, grading upward into sandy or silty clay (Wesling and Helley, 1989). They are underlain by alluvial deposits of Quaternary geologic age at depths in the range of 45 to 55 feet (Helley, 1990). Based on California Department of Water Resources (1967) data, the depth to Franciscan Assemblage bedrock in the site vicinity is greater than 1,000 feet. That rock unit is composed of a heterogeneous array of diverse rock types that were brought together in a subduction zone. Therefore, the nature of that part of it which underlies the site is unknown. Semi-consolidated sedimentary rock of Tertiary geologic age may overlie the bedrock. A generalized geologic section is presented on Figure 5.

7.0
GEOTECHNICAL DATA

Site-specific subsurface data are available for various locations at the Santa Clara Valley Medical Center, as a result of geotechnical engineering studies made for the existing hospital buildings (Woodward-Clyde and Associates 1955,1956; Woodward-Clyde-Sherard & Associates, 1965 a and b, 1966 a and b; Woodward-Clyde Consultants, 1986; Lowney & Associates, 1984.) Numerous exploratory borings have been drilled at various location on the site. The borehole data demonstrate that there are substantial variations in the type and physical characteristics of the subsurface materials, both laterally and vertically. The borings penetrated complexly interbedded lenses of alluvial soils that range in composition from silty clays to gravelly sands. The boundaries between soil types typically are gradational. In general, the clays and silts tend to be stiff to very stiff to a depth of about 20 feet, and very stiff to hard below that depth. The sands typically are medium dense to dense above 20 feet, and dense to very dense below that depth. The native soils are of relatively low to moderately low compressibility and moderate to high strength. Fills are present at various locations on the site. Recent borings drilled at the Santa Clara Valley Medical Center have reached free groundwater at depths generally in excess of 80 feet below the current ground surface.

8.0
REPORTED GEOLOGIC AND SEISMIC HAZARDS

The Valley Medical Center is not within an area inferred by the California Division of Mines and Geology (Steinbrugge et al., 1987; Davis et al.,1982) to be subject to liquefaction. Cooper-Clarke and Associates (1974), in a regional geologic and seismic hazards assessment prepared for the City of San Jose, characterize the liquefaction potential as "moderately high", but indicate that the potential for vertical ground failure as a result is "moderately low" and that the potential for lateral ground failure is "low". Based on a depth of greater than 80 feet to the water table, Rogers and Williams (1974) classify the site area as having a low potential for liquefaction. The site is not near or within an Alquist-Priolo Special Studies Zone. The available, published fault maps of the area (Bortugno and others, 1991, Brabb and Hanna, 1981) do not indicate the presence of any active faults at or near the site. However, Bortugno and others 1991 map delineates 2 faults within 2,000 feet of the site, apparently on the basis of a study made by the California Department of Water Resources (1975). Maps presented in the Cooper-Clarke (1974) report indicate that the site is not within an area believed to be subject to the effects of landslide, tsunami, surface fault rupture, or inundation due to flooding. However, according to information received from the Santa Clara Valley Water District, it is within an area that would be inundated in the unlikely event of a seismically-induced sudden failure of Lexington Dam. Lexington Dam, constructed in 1952, is 193 feet high and impounds a 21,430 acre-foot reservoir. The mouth of the canyon in which that reservoir is located is approximately 7 miles (11.3 km) to the southwest of the Santa Clara Valley Medical Center.

9.0
GEOLOGIC/SEISMIC HAZARDS ASSESSMENT

9.1 SURFACE FAULT RUPTURE

The Valley Medical Center is not within or near an Alquist-Priolo Special Studies Zone, and there are no known or suspected faults of Holocene age within the boundaries of the site. Therefore, the risk of damage due to ground surface fault rupture is essentially nil.

The nearest known Holocene Active fault is the Evergreen fault, located about 7 miles (11 km) to the northeast of the project site (Bortugno and others, 1991).

9.2 GROUND SHAKING

The CDMG (Davis and others, 1982) has estimated that strong ground shaking, equivalent to intensity IX on the Rossi-Forel scale, can be expected to occur in the site area in the event of a major earthquake on the San Andreas fault. The actual intensity of shaking at the site may differ as the CDMG map is highly generalized. Moreover, earthquakes originating on other faults in the region may be significant to the site. Therefore, site-specific estimates of peak accelerations were made, and are presented on Tables 3 through 6.

The median and 84th percentile peak accelerations were estimated using published attenuation relationships describing the variation of peak acceleration with magnitude and distance. The site is underlain by deep alluvium, so appropriate attenuation relationships were selected. The selected relationships are Seed and Idriss (1982), Joyner and Boore (1988), Campbell (1990), Sadigh (1987, presented in Joyner and Boore, 1988, and Youngs et al., 1987), and Idriss (1985).

Each relationship was used with the appropriate distance measurement as used by the developer of the relationship. The attenuation relationship of Seed and Idriss (1982) is based on the horizontal distance to the zone of energy release. The attenuation relationship of Joyner and Boore (1988) uses the closest horizontal distance to the vertical projection of the rupture plane on the surface of the earth. Campbell (1990) uses the seismogenic

distance, which is defined as the shortest distance from the recording site to the zone of seismogenic rupture, identified from aftershock data or the intersection of the fault plane with the crystalline basement rock. The closest distance to the fault rupture surface is used with the Sadigh (1987) and Idriss (1985) relationships.

The attenuation relationships of Campbell and Sadigh contain factors to account for the type of faulting. The faults considered in estimating the ground motions have predominantly strike-slip motion except for the Sargent-Berrocal, which is predominantly reverse. The relationships of both Campbell and Sadigh give higher ground motions for reverse faults than strike-slip faults of the same magnitude at the same distance.

The resulting median and 84th percentile estimates of peak acceleration on deep alluvial soils resulting from the MCE and MPE events on each of the faults are shown in Tables 3 through 6. Considering the different relationships, a recommended peak acceleration was selected for both the median and 84th percentile levels for both events. For the MCE, 0.40g is recommended for the median and 0.60g is recommended for the 84th percentile. These peak accelerations could result from the MCE on either the San Andreas fault or Sargent-Berrocal fault. For the MPE, 0.30g is recommended for the median and 0.45g is recommended for the 84th percentile. The MPE on the San Andreas fault, the Sargent-Berrocal fault, or the Hayward fault could produce these peak accelerations.

9.3 GROUND FAILURE

9.3.1 Landslides

The site and immediate area are nearly flat. Therefore the risk of damage either to the proposed new facilities or to the existing facilities as a result of landslides is nil.

9.3.2 Lurching

Lurching is an abrupt seismically-induced movement of weak, unconsolidated sedimentary soil. It is most common in loose soils adjacent to "open faces", such as stream channels or excavations, and is accompanied by cracking and lateral movement. The site conditions are not conducive to this type of problem.

9.3.3 Liquefaction

Liquefaction is a phenomenon in which a sudden increase in pore fluid pressure causes relatively loose, cohesionless soils below the water table to undergo temporary but complete loss of shear strength. Based upon the fact that borings at the site have encountered free ground water below a depth of 80 feet, and that soils below a depth of 40 feet typically are dense, we have concluded that the potential for ground surface effects to occur at the site as result of liquefaction is very low.

9.3.4 Differential Compaction

Differential compaction and seismic settlement are related phenomena that typically occur in loosely-compacted granular soils following strong earthquake ground motion. Based upon the subsurface conditions encountered across the medical center campus, it is possible some settlement will occur. However, the amount of settlement is expected to be within tolerable limits, and to be controllable by appropriate foundation design.

9.4 SEISMICALLY INDUCED WAVES AND FLOODING

9.4.1 Tsunami and Seiches

Deformation or rapid movements of the sea floor during strong earthquakes may generate seismic sea waves, also called tsunami. Earthquake-generated strong ground motions may also produce standing waves, referred to as seiches, in closed bodies of water such as bays and lakes. The site is approximately 11 miles inland from the bay, and there are no other bodies of water nearby. Therefore, there is no potential exposure to seismically-induced waves.

9.4.2 Seismically Induced Flooding

The site is within an area that would be inundated by seismically induced failure of Lexington Dam, located about 8 miles to the southwest. However, as the site is located in a vast, nearly flat region about 7 miles from the mouth of the canyon in which that dam is located, the depth of water probably would be minimal. Moreover, as the California

Department of Water Resources' Division of Safety of Dams requires periodic safety reviews of Lexington Dam (as it does of all dams of significant size in California), seismically induced failure has to viewed as a very unlikely event.

10.0 CONCLUSIONS

The findings of our geologic/seismic hazards review are summarized in Tables 7 and 8. Based upon those findings, we have concluded that the site is suitable for construction of the proposed new hospital facilities, assuming that the recommendations presented in the geotechnical engineering report prepared for the site are adopted and that appropriate seismic criteria are used for the structural design.

11.0 LIMITATIONS

Based on the present knowledge and understanding of the geologic and seismic conditions relevant to the Santa Clara Valley Medical Center, this evaluation is valid for the entire site. However, the possibility cannot be precluded that current or future investigations or research by the U.S. Geological Survey, the California Division of Mines and Geology, or other organizations may disclose potentially adverse regional or local faulting and seismicity conditions.

12.0 REFERENCES

Agnew, D.C., C.R. Allen, L.S. Cluff, J.H. Dieterich, W.L. Ellsworth, R.L. Keeny, A.G. Lindh, S.P. Nishenko, D.P. Schwartz, K.E. Sieh, W. Thatcher, and R.L. Wesson, [Working Group on California Earthquake Probability] 1988. Probability of large earthquakes occurring in California on the San Andreas fault: U.S. Geological Survey Open-File Report 88-398. 62 pp.

Bortugno, E.J., R.D. McJunkin, and D.L. Wagner, 1991. Map showing recency of faulting, San Francisco - San Jose quadrangle, California; in Wagner, D.L., E.J. Bortugno, and R.D. McJunkin, Geologic map of the San Francisco - San Jose quadrangle: California Department of Conservation, Division of Mines and Geology Map No. 5A (Geology). Sheet 5 of 5. Scale 1:250,000.

Brabb, E.E., and W.F. Hanna, 1981. Maps showing aeromagnetic anomalies, faults, earthquake epicenters, and igneous rocks in the southern San Francisco Bay Region, California: U.S. Geological Survey Geophysical Investigations map GP-932. Scale 1:125,000.

Bryant, W.A., 1981. Calaveras, Coyote Creek, Animas, San Felipe, and Silver Creek faults: California Division of Mines and Geology Fault Evaluation Report FER-122. 13 p. Scale 1:24,000.

California Department of Water Resources, 1975. Evaluation of ground water resources, south San Francisco Bay: The Resources Agency, Department of Water Resources, Bulletin No. 118-1, Volume 3, Northern Santa Clara County Area. 133 p.; scale: 1 inch equals approx. 2.2 mi.

California, State of, 1982. Special studies zones, San Jose East quadrangle: California Division of Mines and Geology. Scale 1:24,000.

California, State of, 1974. Special studies zones, San Jose East quadrangle: California Division of Mines and Geology. Scale 1:24,000.

Campbell, K.W., 1990. Empirical prediction of near-source soil and soft-rock ground motion for the Diablo Canyon Power Plant site, San Luis Obispo County, California: Report prepared for Lawrence Livermore National Laboratory, Dames & Moore, Evergreen, Colorado, 110 p., September.

Cooper-Clark & Associates, 1974. Geotechnical investigation, City of San Jose's sphere of influence: Consultant's report prepared for the City of San Jose. Scale 1:24,000.

Davis, J.F., J.H. Bennett. G.A. Borchardt, J.E Kahle, S.J. Rice, and M.A. Silva,1982. Earthquake planning scenario for a magnitude 8.3 earthquake on the San Andreas fault in the San Francisco Bay Area: California Div. of Mines and Geology Special Pub. 61. 160 p.

Dibblee, T.H., Jr. 1972. Preliminary geologic map of the San Jose East quadrangle, Santa Clara County, California: U.S. Gelogical Survey Open-file map of 72-0092, scale 1:24,000.

Helley, E.J., 1990. Preliminary contour map showing elevation of surface of Pleistocene alluvium under Santa Clara Valley, California: U.S. Geological Survey Open File Report 90-633. Scale 1:24,000.

Hoose, S. N., 1987. The Morgan Hill earthquake, an overview; in S.N. Hoose, ed., The Morgan Hill, California earthquake of April 24, 1984: U.S. Geological Survey Bulletin 1639, pp 1-14.

Idriss, I.M., 1990. Response of soft soil sites during earthquakes: Proceedings, Memorial Symposium to Honor Professor Harry Bolton Seed, University of California, Berkeley, Vol. 2, pp. 273-289, May.

Joyner, W.B. and Boore, D.M., 1988, Measurement, characterization, and prediction of strong ground motion: Specialty Conference on Earthquake Engineering and Soil Dynamics, American Society of Civil Engineers, pp. 43-102, June.

Lowney, J.V. & Associates, 1986. Geotechnical investigation for psychiatric facility, Santa Clara Valley Medical Center, San Jose, California: Consultant's report prepared for Santa Clara Valley Medical Center Planning Department.

Pampeyan, E. H., 1979. Preliminary map showing recency of faulting in coastal north-central California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1070. Scale 1:250,000.

Rogers, T.H. and J.W. Williams, 1974. Potential seismic hazards in Santa Clara County, California: California Division of Mines and Geology Special Report 107. 39 p. Map scale 1:62,500.

San Jose, City of, 1987. Horizon 2000; general plan. City of San Jose, Department of City Planning. 160 p. Map scale: 1" = 9,000'.

San Jose, City of, 1983. City of San Jose, Fault hazard maps. City of San Jose, Department of City Planning. Scale: 1:24,000.

Santa Clara, County of, 1991. Geologic hazards maps: Santa Clara County Surveyors Office. Scale 1" = 1,200'.

Santa Clara Valley Water District, 1986. Maps of flood control facilities and limits of 1% flooding. Scale 1" = 1,000'.

Sadigh, K., 1987, Relationship described in Joyner and Boore, 1988, and Youngs et al., 1987.

Seed, H.B. and Idriss, I.M., 1982. Ground motions and soil liquefaction during earthquakes: Earthquake Engineering Research Institute, Berkeley, California, Vol. 5 of a series titled: Engineering Monographs on Earthquake Criteria, Structural Design, and Strong Motion Records.

Slemmons, D.B., and D.H. Chung, 1982. Maximum credible earthquake magnitudes for the Calaveras and Hayward fault zones, California; in E.W. Hart, S.E. Hirschfeld, and S.S. Schulz, eds., Proceedings of the Conference on Earthquake Hazards in the Eastern San Francisco Bay Area: California Division of Mines and Geology Special Publication 62, pp. 115 - 124.

Sorg, D.H., and R.J. McLaughlin, 1975, Geologic map of the Sargent-Berrocal fault zone between Los Gatos and Los Altos Hills, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-643. Scale 1:24,000.

Steinbrugge, K.V., J.H. Bennett, H.J. Lagorio, J.F. Davis, G. Borchardt, and T.R. Toppozada, 1987. Earthquake planning scenario for a magnitude 7.5 earthquake on the Hayward fault in the San Francisco Bay Area, California Div. of Mines and Geology Special Publication 78. 242 pp.

Tsai, Y.B., Brady, F.W., and Cluff, L.S., 1990, An integrated approach for characterization of ground motions in PG&E's long term seismic program for Diablo Canyon: Proceedings, Fourth U.S. National Conference on Earthquake Engineering, Palm Springs, California, Vol. 1, pp. 597-606, May 20-24.

Wagner, D.L., E.J. Bortugno, and R.D. McJunkin, 1990. Geologic map of the San Francisco - San Jose quadrangle: California Department of Conservation, Division of Mines and Geology Map No. 5A (Geology). Scale 1:250,000.

Weber, G.E. and Cotton, W.R., 1981. Geologic investigations of recurrence intervals and recency of faulting along the San Gregorio fault zone, San Mateo County, California: U.S. Geological Survey Open File Report 81-263. 133 p.

Wesling, J.R. and Helley, E.J., 1989. Quaternary geologic map of the San Jose West quadrangle, Santa Clara County, California: U.S. Geological Survey Open File Report 89-672. 8 p. Scale 1:24,000.

Wesnousky, S.G., 1986. Earthquakes, Quaternary faults, and seismic hazard in California: Journal of Geophysical Research, vol. 91, no. B12, pp. 12,587-12,631.

Wesson, R.L., E.J. Helley, K.R. Lajoie, and C.M. Wentworth, 1975. Faults and future earthquakes; in R.D. Borcherdt, ed., Studies for Seismic Zonation of the San Francisco Bay Region. U.S. Geological Survey Professional Paper 941-A, pp. A5 - A30.

Williams, J.W. and T.H. Rogers, 1974. Relative seismic stability map (seismic element site investigation need map); in T.H. Rogers and J.W. Williams, Potential seismic hazards in Santa Clara County, California: California Division of Mines and Geology Special Report 107. Plate 6, scale 1:62,500.

Woodward-Clyde & Associates, 1955. Soil investigation for a proposed addition, Santa Clara County Hospital, San Jose, California: Consultant's report prepared for County of Santa Clara. Project No. 8444, dated June 23, 1955.

Woodward-Clyde & Associates, 1956. Soil investigation for the proposed additions to the Santa Clara County Hospital, San Jose, California: Consultant's report prepared for County of Santa Clara. Project No. 8736, dated May 2, 1956.

Woodward-Clyde Consultants, 1986. Geotechnical investigation for the proposed Santa Clara County Hospital boiler house, San Jose, California: Consultant's report prepared for County of Santa Clara, Department of Public Works. Project No. 10093, dated July 28,1966.

Woodward-Clyde-Sherard & Associates, 1965a. Soil investigation for the proposed Central County Facility for Handicapped Children, San Jose, California: Consultant's report prepared for County of Santa Clara, Department of Public Works. Project No. JS- 1257, dated February 23, 1965.

Woodward-Clyde-Sherard & Associates, 1965b. Soil investigation for the proposed Santa Clara County Mental Health Center, San Jose, California: Consultant's report prepared for County of Santa Clara, Department of Public Works. Project No. JS-10094, dated November 19, 1965.

Woodward-Clyde-Sherard & Associates, 1966a. Soil investigation for the proposed Santa Clara County Hospital boiler house, San Jose, California: Consultant's report prepared for County of Santa Clara, Department of Public Works. Project No. 10093, dated July 28, 1966.

Woodward-Clyde-Sherard & Associates, 1966b. Soil investigation for the proposed Santa Clara County Hospital Rehabilitation Facility, San Jose, California: Consultant's report prepared for County of Santa Clara, Department of Public Works. Project No. JS-10296, dated March 7, 1966.

Woodward-Clyde-Sherard & Associates, 1967. Soil investigation for the proposed Santa Clara County Mentally Retarded Facility, San Jose, California: Consultant's report prepared for County of Santa Clara, Department of Public Works. Project No. JS-11067, dated May 25, 1967.

Working Group on California Earthquake Probabilities [WGCEP], 1990. Probabilities of large earthquakes in the San Francisco Bay Region, California: U.S. Geological Survey Circular 1053. 51 pp.

Youd, T.L. and S.N. Hoose, 1978. Historic ground failures in northern California triggered by earthquakes: U.S. Geological Survey Professional Paper 993. 177 p.; map scale 1:250,000.

Youngs, R.R., Swan, F.H., Power, M.S., Schwartz, D.P., and Green, R.K., 1987, Probabilistic analysis of earthquake ground shaking hazard along the Wasatch Front, Utah: in Gori, P.L., and Hays, W.W., eds., Assessment of Regional Earthquake Hazards and Risk Along the Wasatch Front, Utah, U.S. Geological Survey, Open-File Report 87-585, Vol. 2, pp. M1-M110 (also in press as USGS Professional Paper).

TABLE 1 - SELECTED FAULTS POTENTIALLY SIGNIFICANT TO SITE SANTA CLARA VALLEY MEDICAL CENTER

Fault	Distance	Max Historic Earthquake (Date)	Estimated Max. Cred. Earthquake	Estimated Max. Prob. Earthquake
San Andreas	14.4 km	M_w 8 (1906)	M_w 8	M_w 7
Sargent	19 km	M_w 5 (1989)	M_w 7	M_w 6
Hayward	12 km	M_w 6.8 (1868)	M_w 7*	M_w 7
Calaveras	17.6 km	M_w 6.5 (1911)	M_w 7	M_w 6.5
Seal Cove - San Gregorio	37 km	M_w 6.1 (1926)	M_w 7.5	M_w 6.5

* In the Earthquake Planning Scenario for the Hayward fault, prepared by the California Division of Mines and Geology (Steinbrugge et al., 1987), the scenario earthquake was of magnitude 7.5, with faulting extending 62 miles, and had a maximum offset of up to 10 feet (average 5 feet). This assumes that the total length of the fault would rupture, which is not considered as realistic by the Working Group on California Earthquake Probabilities (1990). More realistically, the northern and southern segments of the Hayward fault will rupture independently of one another. Therefore, the maximum probably and maximum credible earthquakes for each of these segments is considered to be a M_w 7.

TABLE 2
MODIFIED MERCALLI INTENSITY SCALE (Abridged)

I Not felt except by a very few under especially favorable circumstances. (I Rossi-Forel scale)

II Felt only by a very few persons at rest, especially on upper floors of buildings. Delicately suspended objects may swing. (I to II Rossi-Forel scale)

III Felt quite noticeably indoors, especially on upper floors of buildings, but many people do not recognize it as an earthquake. Standing automobiles may rock slightly. (III Rossi-Forel scale)

IV During the day felt indoors by many,outdoors by few. At night some awakened. Dishes, windows and doors disturbed; walls make creaking sound. Sensation like heavy truck striking building. Standing automobiles rocked noticeably. (IV to V Rossi-Forel scale)

V Felt by nearly everyone, many awakened. Some windows, dishes etc. broken; a few instances of cracked plaster; unstable objects overturned. Disturbance of trees, poles and other tall objects sometimes noticed. Pendulum clocks may stop. (V to VI Rossi-Forel scale)

VI Felt by all, many frightened and run outdoors. Some heavy furniture moved; a few instances of fallen plaster or damaged chimneys. Damage slight.(VI to VII Rossi-Forel scale)

VII Everybody runs outdoors. Damage eligible in buildings of good design and construction; slight to moderate in well-built ordinary structures; some chimneys broken. Noticed by persons driving automobiles. (VIII Rossi-Forel scale)

VIII Damage slight in specially designed structures; considerable in ordinary buildings, with partial collapse; great in poorly built structures. Panel walls thrown out of frame structures. Fall of chimneys, factory stacks, monuments, walls. Heavy furniture overturned. Sand and mud ejected in small amounts. Changes in well water levels. Persons driving automobiles disturbed. (VIII to IX Rossi -Forel scale)

IX Damage considerable in specially designed structures; well-designed structures thrown out of plumb; great in substantial buildings, with partial collapse. Buildings shifted off foundations; ground racked conspicuously. Underground pipes broken. (IX+ Rossi -Forel scale)

X Some well-built wooden structures destroyed; most masonry and frame structures destroyed with foundations; ground badly cracked. Rails bent. landslides considerable from riverbanks and steep slopes. Shifted sand and mud. Water splashed (slopped) over banks.(X Rossi -Forel scale)

XI Few, if any masonry structures remain standing Bridges destroyed. Broad fissures in ground. Underground pipelines completely out of service. Earth slumps and landslips in soft ground. Rails bent greatly.

XII Damage total. Waves seen on ground surface. lines of sight and level distorted. Objects thrown upward into air.

TABLE 3
ESTIMATED MEDIAN PEAK HORIZONTAL ACCELERATIONS FOR MCE
SANTA CLARA VALLEY MEDICAL CENTER

Fault	Fault Type	Magnitude Mw	Horizontal Distance (km)	Seed & Idriss 1982	Joyner & Boore 1988	Campbell 1990	Sadigh 1987	Idriss 1985	Recommended Value
San Andreas	S	8	14.4	0.36	0.43	0.39	0.35	0.33	0.40
Sargent	R	7	19	0.24	0.20	0.26	0.25	0.21	0.25
Hayward	S	7	12	0.31	0.29	0.30	0.28	0.28	0.60
Calaveras	S	7	17.6	0.26	0.21	0.22	0.22	0.22	0.25
Seal Cove - San Gregorio	S	7.5	37	0.19	0.12	0.14	0.16	0.16	0.15

TABLE 4
ESTIMATED 84TH PERCENTILE PEAK HORIZONTAL ACCELERATIONS FOR MCE
SANTA CLARA VALLEY MEDICAL CENTER

Fault	Fault Type	Magnitude Mw	Horizontal Distance (km)	Seed & Idriss 1982	Joyner & Boore 1988	Campbell 1990	Sadigh 1987	Idriss 1985	Recommended Value
San Andreas	S	8	14.4	0.52	0.81	0.57	0.50	0.47	0.60
Sargent	R	7	19	0.35	0.37	0.38	0.36	0.30	0.35
Hayward	S	7	12	0.45	0.55	0.45	0.40	0.40	0.45
Calaveras	S	7	17.6	0.37	0.40	0.33	0.31	0.32	0.35
Seal Cove - San Gregorio	S	7.5	37	0.27	0.24	0.21	0.22	0.23	0.25

TABLE 5
ESTIMATED MEDIAN PEAK HORIZONTAL ACCELERATIONS FOR MPE
SANTA CLARA VALLEY MEDICAL CENTER

Fault	Fault Type	Magnitude Mw	Horizontal Distance (km)	Seed & Idriss 1982	Joyner & Boore 1988	Campbell 1990	Sadigh 1987	Idriss 1985	Recommended Value
San Andreas	S	7	14.4	0.28	0.25	0.26	0.25	0.25	0.30
Sargent	R	6	19	0.15	0.11	0.14	0.14	0.14	0.15
Hayward	S	7	12	0.31	0.29	0.30	0.28	0.28	0.30
Calaveras	S	6.5	17.6	0.21	0.16	0.17	0.17	0.17	0.20
Seal Cove - San Gregorio	S	6.5	37	0.12	0.07	0.07	0.08	0.08	0.10

TABLE 6
ESTIMATED 84TH PERCENTILE PEAK HORIZONTAL ACCELERATIONS FOR MPE
SANTA CLARA VALLEY MEDICAL CENTER

Fault	Fault Type	Magnitude Mw	Horizontal Distance (km)	Seed & Idriss 1982	Joyner & Boore 1988	Campbell 1990	Sadigh 1987	Idriss 1985	Recommended Value
San Andreas	S	7	14.4	0.41	0.48	0.39	0.36	0.36	0.40
Sargent	R	6	19	0.22	0.22	0.21	0.21	0.21	0.25
Hayward	S	7	12	0.45	0.55	0.45	0.40	0.40	0.45
Calaveras	S	6.5	17.6	0.31	0.31	0.25	0.25	0.27	0.30
Seal Cove - San Gregorio	S	6.5	37	0.17	0.14	0.11	0.12	0.14	0.15

TABLE 7
SUMMARY OF GEOLOGIC DATA*

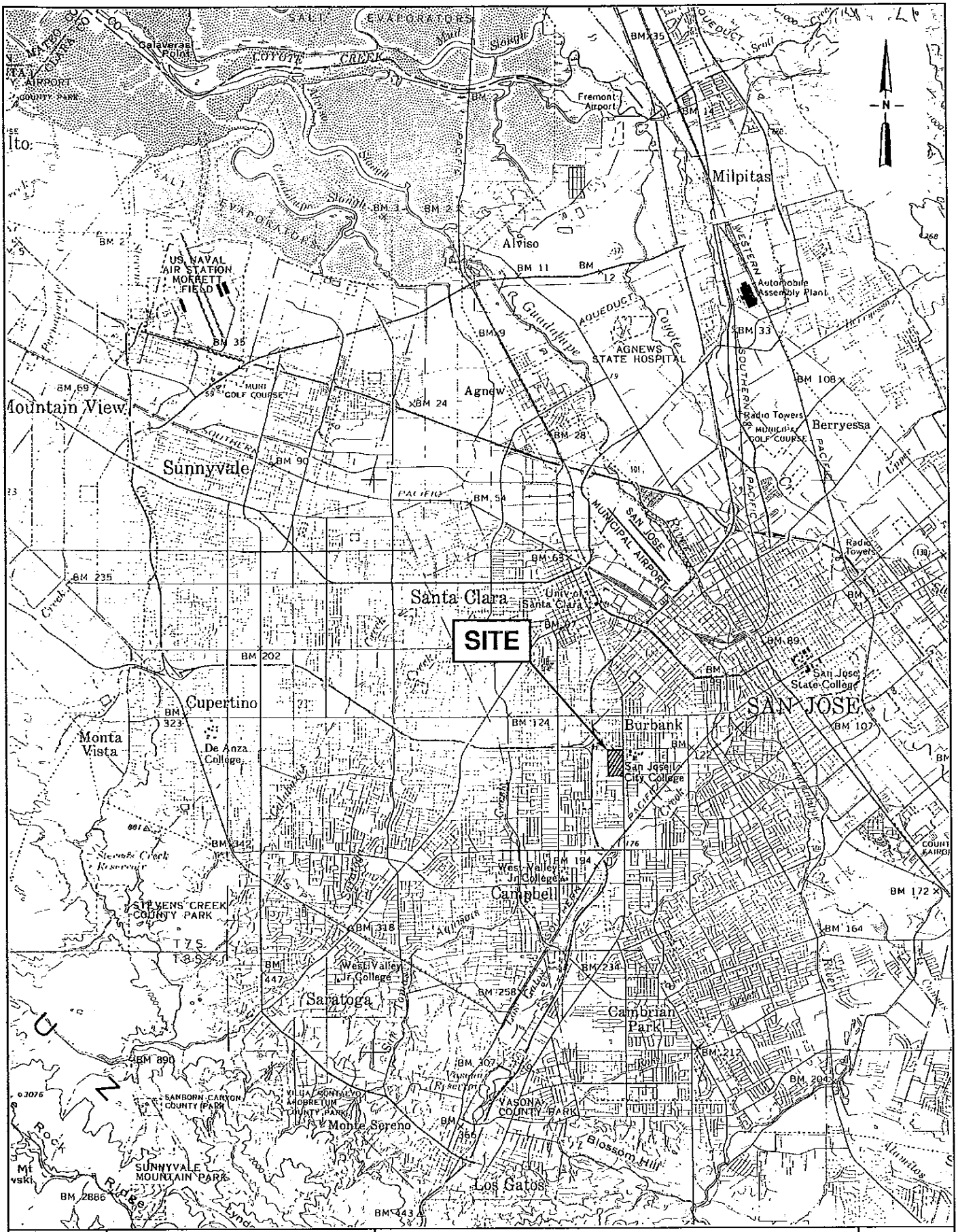
1.	Geologic map:	See Figure 4.
2.	Geologic cross section:	See Figure 6.
3.	Faults mapped within or adjacent to site:	"DWR faults"; presumed pre-Holocene. See Figure 4.
4.	Magnitude and distance of all relevant faults:	See Table 1.
5.	Potential for liquefaction:	Low; deep water table.
6.	Potential for seismic settlement:	Low; expected to be within tolerable limits.
7.	Potential for landsliding:	Not significant to site.
8.	Potential for earthquake-induced dam failure flooding:	Low; Possible, but unlikely.
9.	Potential for tsunamis:	Not significant to site; located above and beyond limit of tsunami hazard.
10.	Potential for seiches:	Not significant to site; no nearby bodies of water.
11.	Bibliography:	See REFERENCES.
12.	Report prepared or signed by Engineering Geologist certified in California?	Yes. (Kenneth D. Weaver, CEG 300)
13.	Is site in an Alquist-Priolo Special Studies Zone?	No.
14.	Has city seismic safety element been considered?	Yes.
15.	Has Engineering Geologist visited the site:	Yes. (Kenneth D. Weaver, CEG 300).

*Keyed to California Division of Mines and Geology Checklist (CDMG Note 48)

TABLE 8
SUPPORT DATA*

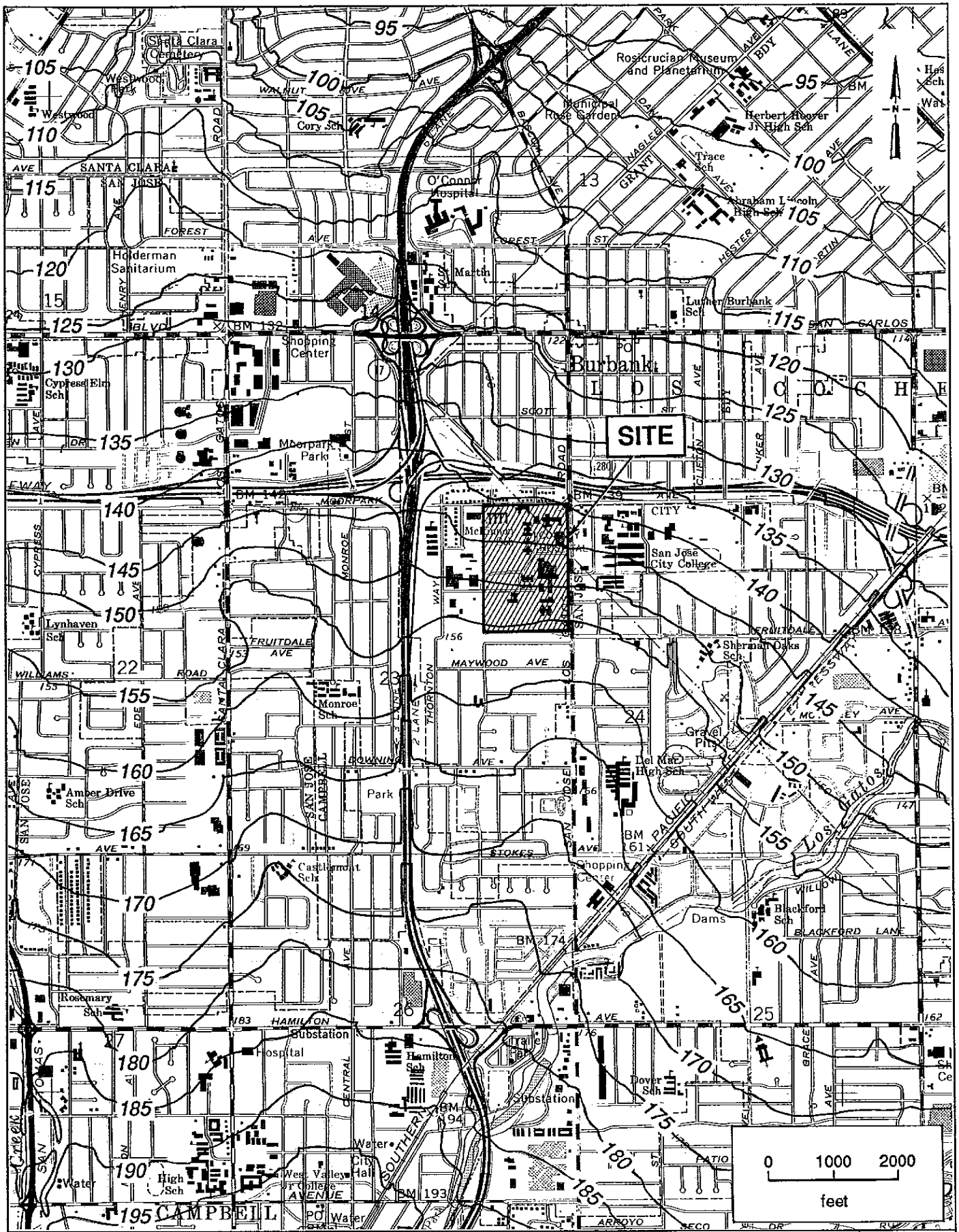
1.	Location of site:	Latitude: 37° 18' 52" N Longitude: 121° 55' 53" W
2.	Maximum credible earthquake:	See Table 1
3.	Maximum credible rock acceleration:	Not required for Method B design. See Tables 3 through 6 for accelerations for deep soil sites.
4.	Maximum probable earthquake:	See Table 1
5.	Maximum probable rock acceleration:	Not required for Method B design. (See Tables 3, 4, 5, and 6).
6.	Potential for liquefaction:	Very low; water table depth greater than 80 feet.
7.	Potential for ground lurching:	Very low; no free face present.
8.	Potential for amplification:	Low; not on a topographic "high".

*Keyed to California Division of Mines and Geology Checklist (CDMG Note 48).



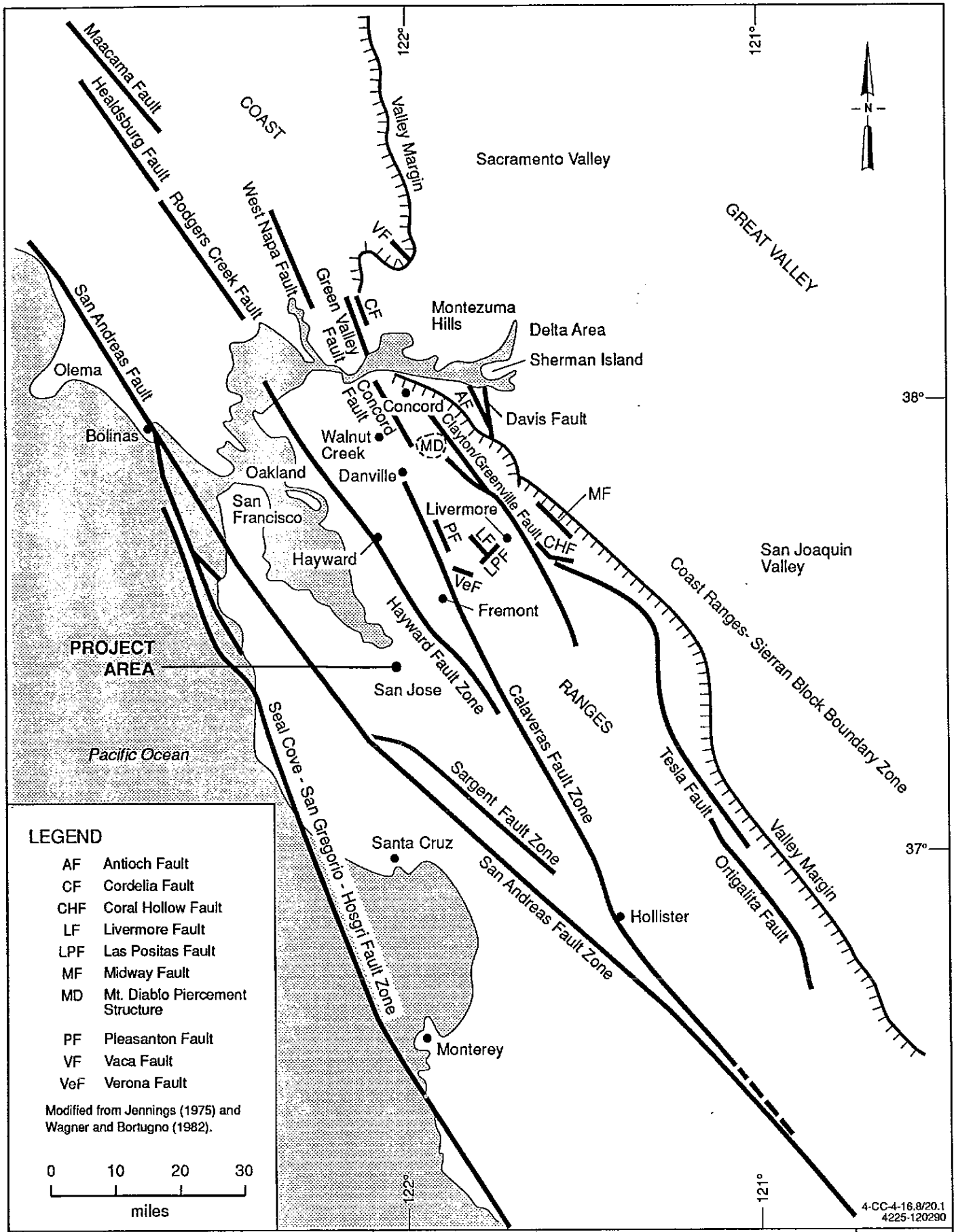
Project No. 91C0846R	Santa Clara Valley Medical Center San Jose, California	SITE LOCATION MAP	Figure 1
Woodward-Clyde Consultants			

91C0846R-3000/071792

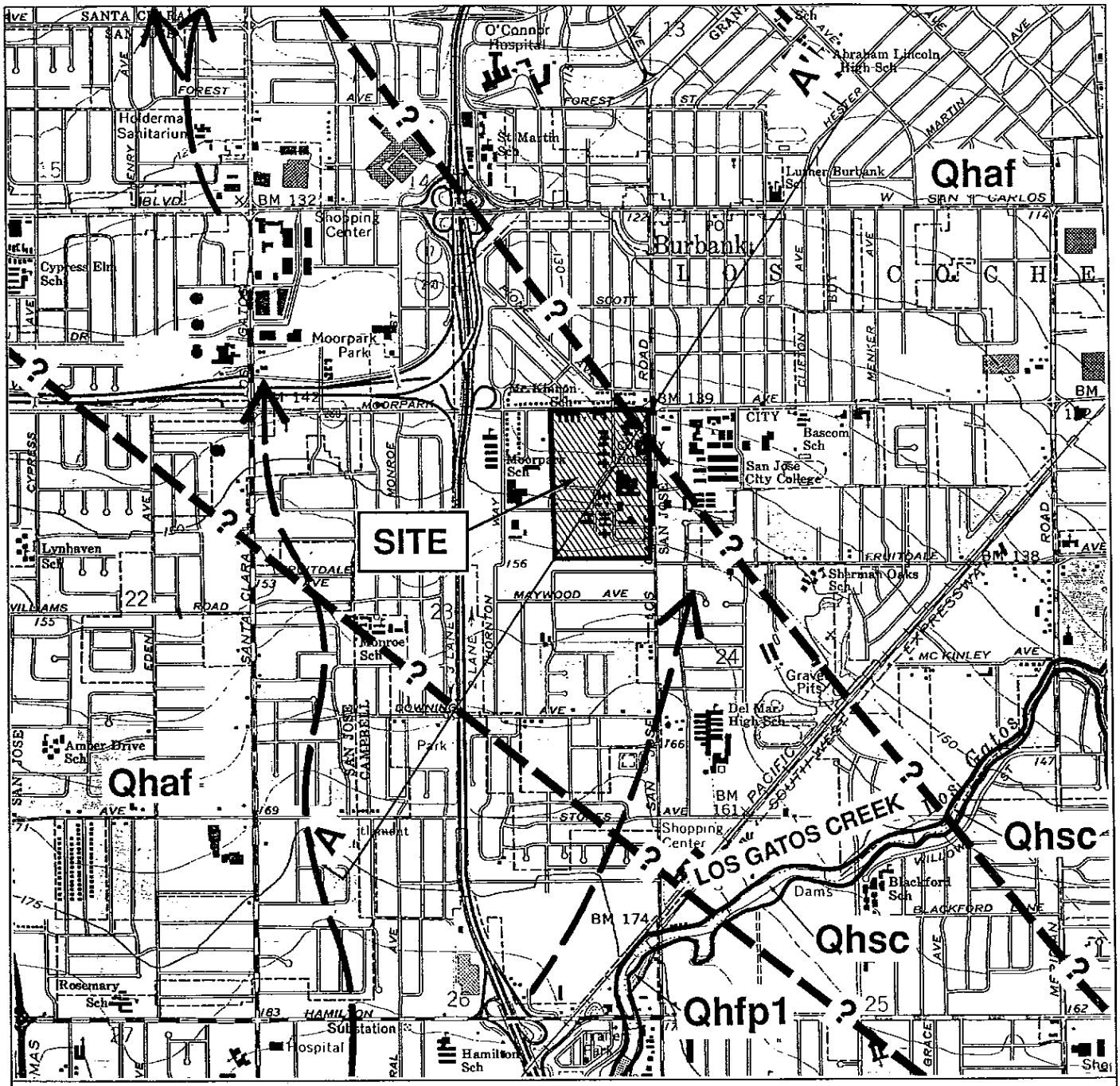


Project No. 91C0846R	Santa Clara Valley Medical Center San Jose, California	VICINITY TOPOGRAPHIC MAP	Figure 2
Woodward-Clyde Consultants			

91C0846R-3000/071792



Project No. 91C0846R	Santa Clara Valley Medical Center San Jose, California	REGIONAL ACTIVE FAULTS	Figure 3
Woodward-Clyde Consultants			



LEGEND

A A' Geologic Section (See Figure 5)

Geologic Contact

— — > Late Holocene Channel Ridge

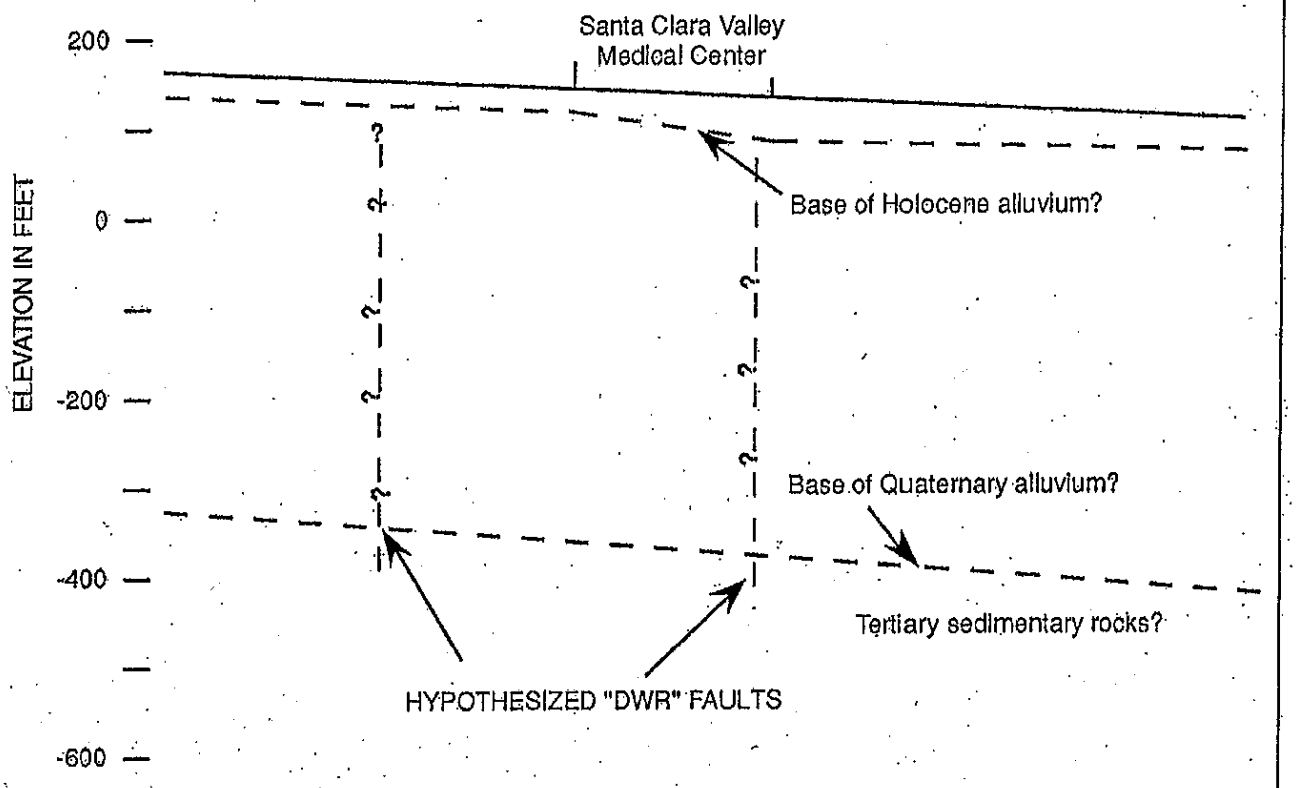
— — ? — — Hypothesized (DWR) Fault

Qhaf	Holocene Alluvial Fan Deposits
Qhsc	Stream Channel Deposits
Qhfp1	Holocene Alluvial Terrace Deposits

0 2000
feet

Data Source: Bortugno et al. (1991); Wesling and Helley (1989)

Project No. 91C0846R	Santa Clara Valley Medical Center San Jose, California	GEOLOGIC MAP	Figure 4
Woodward-Clyde Consultants			



Project No. 91C0846R	Santa Clara Valley Medical Center San Jose, California	GEOLOGIC SECTION	Figure 5
Woodward-Clyde Consultants			

91C0846R-3000/081392

URS

August 19, 2020
Project No. 60608731

Mr. Jim Ikeda, Project Manager
Facilities Department
Santa Clara Valley Health & Hospital System
751 South Bascom Avenue
San Jose, CA 95128-2699

Subject: Ground-Motion Report
Old Main Rebuild
Santa Clara Valley Medical Center
San Jose, California

Dear Mr. Ikeda:

This report represents the results of site-specific seismic hazard analysis and seismic design ground motions for the Santa Clara Valley Medical Center (VMC) Old Main Rebuild project following the standard of ASCE 7-16 *Minimum Design Loads and Associated Criteria for Buildings and Other Structures,* resulting in Risk-Targeted Maximum Considered Earthquake (MCE_R) Spectrum and the Design Response Spectrum (DRS).

The project site (37.3132°N, 121.9336°W) is situated in the seismically active San Francisco Bay region within the San Andreas fault system (Figures 1 and 2). The San Andreas fault is located 14.8 km from the project sites; it is estimated to have a 22% probability of rupturing in an earthquake of moment magnitude (**M**) 6.7 or larger in the period 2014 to 2043, with a 72% probability of a **M** 6.7 or larger for any fault in the San Francisco region for the same time period (Aagaard *et al*., 2016). The project site will also be subjected to strong ground shaking generated by future events on numerous active faults within a distance of 50 km (Figure 2).

SIGNIFICANT HISTORICIAL EARTHQUAKES

The earliest written accounts of earthquakes in California come from the logs of the Spanish missions established throughout California in the 1700s. In the San Francisco Bay region, the population was somewhat sparser than that of southern California, and the earliest reports of earthquakes were written in the 1800s. The majority of the historical seismicity in the San Francisco Bay region is associated with the major faults of the San Andreas fault system (Figure 1). There have been 13 earthquakes of approximately **M** 6.0 or greater within 50 km of the project site in historical times. The most significant earthquakes to the project site are described below:

June 1838

There are very few written records of the June 1838 local magnitude (M_L) 7½ earthquake, and the exact date is not known. No reports of this earthquake are available from north of San Francisco or south of Santa Clara, except from Monterey (Toppozada *et al.,* 1981). The reported shaking intensities for this earthquake were believed to be the result of rupture of the 60-km-long Peninsula segment of the San Andreas fault. Toppozada and Borchardt (1998) reviewed the historical records for this earthquake and concluded that rupture may have extended a distance of 140 km from San Francisco to San Juan Bautista.

21 October 1868

The 21 October 1868 **M** 6.8 event occurred on the Hayward fault 45 km north of the project site. The earthquake caused toppling of almost every building in Hayward and severe damage at other localities within about 5 km of the Hayward fault. In San Francisco, the Custom house sustained severe damage. Damage occurred from Gilroy to Santa Rosa (Stover and Coffman, 1993). The surface rupture associated

URS Corporation
4 N. Second Street, Suite 675
San Jose, CA 95113
Tel: 408.297.9585
Fax: 408.297.6962

with this earthquake is thought to have extended for approximately 30 km, from Warm Springs to San Leandro, with a maximum reported displacement of 1 m.

18 April 1906

The Great San Francisco Earthquake of 1906 (**M** 7.9), was arguably the most destructive earthquake to have occurred in northern California in historical times. The earthquake was felt from southern Oregon to south of Los Angeles, and as far east as central Nevada. It ruptured the northernmost 430 km of the San Andreas fault, from San Juan Bautista to the Mendocino Triple Junction. Damage was widespread in northern California and injury and loss of life was particularly severe. Ground shaking and fire caused the deaths of more than three thousand people and injured approximately 225,000. Damage from shaking was most severe in areas of saturated or loose, young soils.

17 October 1989

The **M** 6.9 Loma Prieta earthquake occurred on or adjacent to the southern Santa Cruz segment of the San Andreas fault, 30 km south of the project sites (Figure 1). The cities of Los Gatos, Watsonville, and Santa Cruz were hard hit with damage, as were San Francisco and Oakland. Shaking was felt throughout the San Francisco Bay region and as far away as San Diego and Nevada. While the Loma Prieta earthquake was one of the most expensive natural disasters in U.S. history, causing in excess of $6 billion damage, the loss of life was significantly less than in the 1906 earthquake. Sixty-two people died and about 3,500 were injured. About 12,000 people were displaced from their homes. As in the 1906 earthquake, the worst damage from shaking occurred at buildings on unconsolidated or saturated soils, or with unreinforced masonry and improperly designed structures.

SEISMIC HAZARD ANALYSIS METHODOLOGY

The seismic hazard approach used in this study is based on the model developed principally by Cornell (1968). The occurrence of earthquakes on a fault is assumed to be a Poisson process. The Poisson process is widely used and is a reasonable assumption in regions where data are sufficient to provide only an estimate of average recurrence rate (Cornell, 1968). When there are sufficient data to permit a real-time estimate of the occurrence of earthquakes, the probability of exceeding a given value can be modeled as an equivalent Poisson process in which a variable average recurrence rate is assumed. The occurrence of ground motions at the sites in excess of a specified level is also a Poisson process, if (1) the occurrence of earthquakes is a Poisson process, and (2) the probability that any one event will result in ground motions at the sites in excess of a specified level is independent of the occurrence of other events.

The probability that a ground motion parameter "Z" exceeds a specified value "z" in a time period "t" is given by:

$$p(Z > z) = 1\text{-}e^{-\nu(z)\cdot t} \qquad (1)$$

where $\nu(z)$ is the annual mean number (or rate) of events in which Z exceeds z. It should be noted that the assumption of a Poisson process for the number of events is not critical. This is because the mean number of events in time t, $\nu(z)\cdot t$, can be shown to be a close upper bound on the probability $p(Z > z)$ for small probabilities (less than 0.10) that generally are of interest for engineering applications. The annual mean number of events is obtained by summing the contributions from all sources, that is:

$$\nu(z) = \sum_{n} \nu_n(z) \qquad (2)$$

where $\nu_n(z)$ is the annual mean number (or rate) of events on source n for which Z exceeds z at the site. The parameter $\nu_n(z)$ is given by the expression:

$$\nu_n(z) = \sum_{i}\sum_{j} ß_n(m_i) \bullet p(R=r_j|m_i) \bullet p(Z>z|m_i,r_j) \qquad (3)$$

where:

$\beta_n(m_i)$ = annual mean rate of recurrence of earthquakes of magnitude increment m_i on source n;

$p(R=r_j|m_i)$ = probability that given the occurrence of an earthquake of magnitude m_i on source n, r_j is the closest distance increment from the rupture surface to the site;

$p(Z > z|m_i,r_j)$ = probability that given an earthquake of magnitude m_i at a distance of r_j, the ground motion exceeds the specified level *z*.

The calculations were made using the computer program HAZ45.2. The basis for HAZ45.2 was developed by Norm Abrahamson and has been validated using test cases of the Pacific Earthquake Engineering Research (PEER) Center-sponsored "Probabilistic Seismic Hazard Analysis Code Verification" Project (Hale *et al.*, 2018).

SEISMIC SOURCE CHARACTERIZATION

Two types of earthquake sources are characterized in this seismic hazard analysis: (1) fault sources; and (2) areal source zones. Fault sources are modeled as three-dimensional fault surfaces and details of their behavior are incorporated into the source characterization. Areal source zones are regions where earthquakes are assumed to occur randomly. Seismic sources are modeled in the hazard analysis in terms of geometry and earthquake recurrence.

The geometric source parameters for faults include fault location, segmentation model, dip, and thickness of the seismogenic zone. The recurrence parameters include recurrence model, recurrence rate (slip rate or average recurrence interval for the maximum event), slope of the recurrence curve (*b*-value), and maximum magnitude. The geometry and recurrence are not totally independent. For example, if a fault is modeled with several small segments instead of one large segment, the maximum magnitude is lower, and a given slip rate requires many more small earthquakes to accommodate a cumulative seismic moment. For areal source zones, only the areas, maximum magnitude, and recurrence parameters (based on the historical earthquake record) need to be defined.

Uncertainties in the seismic source parameters, as described in the following sections, were incorporated into the PSHA using a logic tree approach (Figure 3). In this procedure, values of the source parameters are represented by the branches of logic trees with weights that define the distribution of values. In general, three values for each parameter were weighted and used in the analysis. Statistical analyses by Keefer and Bodily (1983) indicate that a three-point distribution of 5th, 50th, and 95th percentiles weighted 0.185, 0.63, and 0.185 (rounded to 0.2, 0.6, and 0.2), respectively, is the best discrete approximation of a continuous distribution. Alternatively, they found that the 10th, 50th, and 90th percentiles weighted 0.3, 0.4, and 0.3, respectively, can be used when limited available data make it difficult to determine the extreme tails (i.e., the 5th and 95th percentiles) of a distribution. Note that the weights associated with the percentiles are not equivalent to probabilities for these values, but rather are weights assigned to define the distribution. We generally applied these guidelines in developing distributions for seismic source parameters with continuous distributions (e.g., M_{max}, fault dip, slip rate or recurrence) unless the available data suggested otherwise. Estimating the 5th, 95th, or even 50th percentiles is typically challenging and involves subjective judgment given limited available data.

Source Geometry

In a PSHA, it is assumed that earthquakes of a certain magnitude may occur randomly along the length of a given fault or segment. The distance from an earthquake to the site is dependent on the source geometry, the size and shape of the rupture on the fault plane, and the likelihood of the earthquake occurring at different points along the fault length. The distance to the fault is defined to be consistent with the specific attenuation relationship used to calculate the ground motions. The distance, therefore, is

dependent on both the dip and depth of the fault plane, and a separate distance function is calculated for each geometry and each attenuation relationship. The size and shape of the rupture on the fault plane are dependent on the magnitude of the earthquake; larger events rupture longer and wider portions of the fault plane. We modeled the rupture dimensions following the magnitude-rupture area and rupture width relationships of Wells and Coppersmith (1994).

Fault Recurrence

The recurrence relationships for the faults are modeled using the exponentially truncated Gutenberg-Richter characteristic earthquake and the maximum magnitude recurrence models. These models are weighted (Figure 3) to represent our judgment on their applicability to the sources. For the areal source zones, only an exponential recurrence relationship is assumed to be appropriate.

We have used the general approach of Molnar (1979) and Anderson (1979) to arrive at the recurrence for the exponentially truncated model. The number of events exceeding a given magnitude, *N(m)*, for the truncated exponential relationship is:

$$N(m) = \alpha(m^o)\frac{10^{-b(m-m^o)} - 10^{-b(m^u-m^o)}}{1 - 10^{-b(m^u-m^o)}} \qquad (4)$$

where $\alpha(m^o)$ is the annual frequency of occurrence of earthquakes greater than the minimum magnitude, m^o; *b* is the Gutenberg-Richter parameter defining the slope of the recurrence curve; and m^u is the upper-bound magnitude event that can occur on the source. A m^o of **M** 5.0 was used for the hazard calculations because smaller events are not considered likely to produce ground motions with sufficient energy to damage well-designed structures.

We have included the model that the faults rupture with a "characteristic" magnitude on specific segments; this model is described by Aki (1983) and Schwartz and Coppersmith (1984). The characteristic model postulates that individual faults and fault segments tend to generate essentially same size or characteristic earthquakes having a relatively narrow range of magnitudes near the maximum. This is implemented using the numerical model of Youngs and Coppersmith (1985). In the characteristic model, the number of events exceeding a given magnitude is the sum of the characteristic events and the non-characteristic events. The characteristic events are distributed uniformly over a ± 0.25 magnitude unit around the characteristic magnitude, and the remainder of the moment rate is distributed exponentially using the above equation with a maximum magnitude 0.25 units lower than the characteristic magnitude (Youngs and Coppersmith, 1985).

The maximum magnitude model can be regarded as an extreme version of the characteristic model. We adopted the model proposed by Wesnousky (1986). In the maximum magnitude model, there is no exponential portion of the recurrence curve, i.e., events are modeled with a normal distribution about the characteristic magnitude, with a sigma (one standard deviation) of 0.25. The distribution is truncated at 0.5 units above the characteristic magnitude.

The recurrence rates for the fault sources are defined by either the slip rate or the average return time for the maximum or characteristic event and the recurrence *b*-value. The slip rate is used to calculate the moment rate on the fault using the following equation defining the seismic moment:

$$M_o = \mu A D \qquad (5)$$

where M_o is the seismic moment (in dyne-cm), μ is the shear modulus (dynes/cm^2), A is the area of the rupture plane (cm^2), and D is the slip on the plane (cm). Dividing both sides of the equation by time results in the moment rate as a function of slip rate:

$$\dot{M}_o = \mu A S \qquad (6)$$

where $\dot{M}_o$ is the moment rate and S is the slip rate. M_o has been related to moment magnitude, **M**, by Hanks and Kanamori (1979):

$$\mathbf{M} = \tfrac{2}{3} \log M_o - 10.7 \qquad (7)$$

Using this relationship and the relative frequency of different magnitude events from the recurrence model, the slip rate can be used to estimate the absolute frequency of different magnitude events.

The average return time for the characteristic or maximum magnitude event defines the high magnitude (low likelihood) end of the recurrence curve. When combined with the relative frequency of different magnitude events from the recurrence model, the recurrence curve is established.

Ground Motion Characterization

To characterize the ground motions in the PSHA, we use empirical ground motion prediction models for response spectral acceleration. The models used in this study were selected on the basis of the appropriateness of the site conditions and tectonic environment for which they were developed.

The uncertainty in ground motion prediction is included in the PSHA by using the log-normal distribution about the median values as defined by the standard deviation associated with each model. Five standard deviations about the median value are included in the analysis.

INPUTS TO ANALYSIS

The following section describes the characterization of the seismic sources considered in the analyses and the empirical ground motion prediction models selected and used.

Seismic Sources

Seismic source characterization is concerned with three fundamental elements: (1) the identification, location, and geometry of significant sources of earthquakes; (2) the maximum sizes of the earthquakes associated with these sources; and (3) in the PSHA, the rate at which they occur. The source parameters for the significant faults in the site region (generally within about 100 km) are characterized for input into the hazard analyses (Figure 2). Areal source zones, used to represent background earthquakes, are also characterized and used in the PSHA.

Faults

The fault model used in this study is adopted from a model developed as part of the California Department of Water Resources' Delta Risk Management Strategy Project (URS Corporation/Jack Benjamin & Associates, 2007). Each seismic source was characterized using the latest available geologic, seismologic, and paleoseismic data and the currently accepted models of fault behavior developed by the Working Group on Northern California Earthquake Potential (WGNCEP, 1996), the 2002 California Geological Survey's (CGS) seismic source model (Cao *et al.*, 2003), and the Working Group on California Earthquake Probabilities (WGCEP, 2008) which have been used in the USGS National Hazard Maps. Characterizations of the major faults in the San Francisco Bay region, the San Andreas, Hayward/Rodgers Creek/Healdsburg, Green Valley/Berryessa/Hunting Creek, San Gregorio, Greenville, and Mt. Diablo thrust faults, are adopted from the 2008 Working Groups on California Earthquake Probabilities (WGCEP, 2008). These characterizations were updated based on a review of the statewide rupture forecast project, the Unified California Earthquake Rupture Forecast (UCERF3) (Field *et al.*, 2013).

Figure 2 shows the locations of the faults relative to the project site. Faults are included that are judged to be at least potentially active and that may contribute to the probabilistic hazard because of their maximum earthquakes and/or proximity to project site (Table A1).

In this analysis, most faults are modeled as single, independent, planar sources extending the full extent of the seismogenic crust. Thus, fault dips are averages estimated through the seismogenic crust. Generally, in western California, the seismogenic crust ranges from 11 to 15 km thick based on well-located contemporary seismicity (e.g., Oppenheimer and MacGregor-Scott, 1992). Fault zones are modeled as multiple, parallel planes within the zone boundaries.

Recurrence rates for many of the faults within the San Francisco Bay region are either poorly understood or unknown due to a lack of reliable paleoseismic data. Thus, we express fault activity as an average annual slip rate (mm/yr) rather than with recurrence intervals (years between events) for most faults (the Hayward fault is one exception). The uncertainties in slip rates, recurrence rates, and other input parameters are accommodated in the PSHA through the use of logic trees (Figure 3).

Uncertainties in determining recurrence models can significantly impact the hazard analysis. We consider truncated exponential, maximum-magnitude, and characteristic recurrence models, with various weights depending on source geometry and type of rupture model. Historical seismicity and paleoseismic investigations along faults in the western U.S. (e.g., San Andreas fault) suggest that characteristic behavior is more likely for individual faults (Schwartz and Coppersmith, 1984). Therefore, we generally favor the characteristic model for all fault sources (weight of 0.70) while the maximum magnitude model is weighted 0.30 (Figure 3).

The most significant seismic sources to the project site are the San Andreas and Calaveras fault systems because of their proximity, potential for generating large earthquakes (**M** ≥ 6.7) and high activity rates (Figure 2; Table A1). Table A1 contains a list of the rupture scenarios, characteristic magnitudes, slip rates and other important fault characteristics for all faults used in the PSHA model.

San Andreas Fault System

The San Andreas fault system is the dominant active fault in California. The fault extends from the Gulf of California, Mexico, to Point Delgada on the Mendocino Coast in northern California, a total distance of 1,200 km. The San Andreas fault accommodates the majority of the motion between the Pacific and North American plates. It is the largest active fault in California and is responsible for the largest known earthquake in Northern California, the 1906 **M** 7.9 San Francisco earthquake (Wallace, 1990). Movement on the San Andreas fault is right-lateral strike-slip, with a total offset of some 560 km (Irwin, 1990). In northern California, the San Andreas fault is clearly delineated, striking northwest, parallel to the vector of plate motion between the Pacific and North American plates. Over most of its southern extent, the San Andreas fault is a relatively simple, linear fault trace. Immediately south of the San Francisco Bay area, however, the fault splits into a number of branch faults or splays, including the Calaveras and Hayward faults (Figure 2). In the San Francisco Bay area, the main trace of the San Andreas fault forms a linear depression along the San Francisco Peninsula, occupied by the Crystal Springs and San Andreas Lake Reservoirs (Figure 2). Geomorphic evidence for Holocene faulting includes fault scarps in Holocene deposits, right-laterally offset streams, shutter ridges, and closed linear depressions (Hall, 1984; Wallace, 1990). The 1906 earthquake resulted from rupture of the fault from San Juan Bautista north to Point Delgada, a distance of approximately 475 km. The average slip on the fault was 5.1 m in the area north of the Golden Gate and 2.5 m in the Santa Cruz Mountains (WGNCEP, 1996).

Based on differences in geomorphic expression, fault geometry, paleoseismic chronology, slip rate, seismicity, and historical fault ruptures, the San Andreas fault is divided into a number of fault segments. Each of these segments may be capable of rupturing independently or in conjunction with adjacent segments. In the San Francisco Bay area, these segments include the Santa Cruz Mountains, Peninsula, and North Coast segments. Based on the lengths of the fault segments, they are capable of producing estimated mean maximum earthquakes of **M** 7.0, 7.15, and 7.45, respectively (WGCEP, 2003). The 1906 earthquake was the result of rupture of the Offshore (northernmost segment north of Point Arena), North Coast, Peninsula, and Santa Cruz Mountains segments. Two- or three-segment ruptures also may be

possible (WGCEP, 2003). We estimate that the maximum earthquakes associated with these potential multi-segment ruptures may range from **M** 7.4 to **M** 7.7 (Table A1). Refer to Table A1 for a list of the rupture scenarios, characteristic magnitudes, and slip rates used in the PSHA model for the San Andreas fault.

Calaveras Fault System

In the southern San Francisco Bay region, the Calaveras fault traverses the Hollister Plain and the Diablo Range east of the Santa Clara Valley; it is a major structural boundary between the Diablo Range and the San Francisco Bay structural depression (Page, 1982). The Calaveras fault exhibits prominent geomorphic expression along its entire active length of 130± 10 km, and it has generated small and moderate earthquakes during historic time. Between 1949 and 1988, **M** > 5 earthquakes ruptured the central Calaveras fault in a northward progression as post-seismic relaxation following one event triggered the next event (Du and Aydin, 1992). Oppenheimer *et al.* (1990) analyzed spatial patterns of microseismicity along the central Calaveras fault and inferred that it releases strain predominantly through aseismic creep and small to moderate (≤**M** 6.2) magnitude earthquakes.

Based on structural relations with other major faults, contemporary seismicity, rate of present-day creep and geodetic deformation, and geomorphic expression, the Calaveras fault is interpreted to consist of three segments (Kelson 2001; WGCEP, 1999, 2003):

- Northern Calaveras fault (from Danville to Calaveras Reservoir)
- Central Calaveras fault (from Calaveras Reservoir to San Felipe Lake)
- Southern Calaveras fault (from San Felipe Lake to the Paicines fault south of Hollister)

The central Calaveras fault traverses the western Diablo Range between Calaveras Reservoir on the north and San Felipe Lake on the south and is about 65 km long. The central Calaveras fault is differentiated from fault sections to the north and south on the basis of geomorphic expression, aseismic creep and geologic slip rates, overall strike, and historical seismicity (Kelson, 2001). Compared to the northern and southern Calaveras faults, the central Calaveras fault strikes more westerly (N30°W to N35°W), has a higher rate of aseismic creep, and is characterized by abundant instrumentally recorded seismic events (Figure 1), including several moderate magnitude (**M** 5.0 to 6.2) earthquakes since 1897 (Oppenheimer *et al.*, 1990). Overall, the fault is characterized by right-releasing double bends and stepovers, left-stepping *en echelon* map patterns, and left-restraining double bends. Previous characterizations of the central Calaveras fault assume a maximum earthquake magnitude of **M** 6.2 with a recurrence interval of about 60 years (Peterson *et al.*, 1996; WGNCEP, 1996). Support for this estimate comes from (1) the record of historic moderate magnitude earthquakes, including the 1984 **M** 6.2 Morgan Hill event; (2) analyses of instrumental seismicity that resolve persistently aseismic areas of the fault interpreted as "stuck patches" (Oppenheimer *et al.*, 1990); and (3) the similarity between aseismic creep rates (Galehouse and Lienkaemper, 2003; Kelson *et al.*, 2003), geodetically determined slip rates (Prescott *et al.*, 1981) and geologic slip rate estimates (Baldwin *et al.*, 2002). These relations suggest that there is little or no residual strain accumulating on the central Calaveras fault that could be released in a large (**M** > 6.2) magnitude earthquake. WGCEP (2003) interprets that the weight of seismological and geodetic evidence supports the interpretation that the central Calaveras fault accommodates strain through aseismic creep and moderate-magnitude earthquakes. Although several rupture scenarios were considered, WGCEP (2003) interpreted that earthquakes involving large (**M** > 6.2) magnitudes are unlikely along the Calaveras fault (cumulative 5% weighting in their rupture scenario models).

Background Seismicity

To account for the hazard from background (floating or random) earthquakes that are not associated with known or mapped faults, regional seismic source zones are used in the PSHA. In most of the western U.S., the maximum magnitude of earthquakes not associated with known faults usually ranges from **M** 6

to 6½. Repeated events larger than these magnitudes generally produce recognizable fault-or-fold related features at the earth's surface (e.g., dePolo, 1994). Examples of background earthquakes are the 1986 **M** 5.7 Mt. Lewis and 31 October 2007 **M** 5.6 Alum Rock earthquakes, both of which occurred east of San Jose and resulted in no discernable surface rupture.

Earthquake recurrence estimates of the background seismicity within each seismic source zone are presented in Table 1. The site region is divided into two regional seismic source zones: the Coast Ranges and Central Valley. The recurrence parameters for the Coast Ranges source zone are adopted from Youngs *et al.* (1992); they calculate values for background earthquakes based on the historical seismicity record after removing earthquakes within 10-km-wide corridors along each of the major faults. The recurrence values for the Central Valley zone are adopted from URS Corporation/Jack Benjamin & Associates (2007). The a-values, or total seismicity rates (in log units), are normalized per year and per km^2. Maximum earthquakes for both zones of **M** 6.5 ± 0.3 are used in the PSHA.

Table 1. Recurrence Parameters

Source Zone	b-value	a-value
Coast Ranges	0.72	-3.68
Central Valley	1.14	-0.73

Geologic Site Conditions

The Old Main site is located on deep alluvial sediments. Based on boring logs and seismic CPT data collected at the project site in previous studies (Woodward-Clyde Consultants, 1993 and URS, 2007, the reference site condition was assumed as firm soil with a V_S30 (the time averaged shear-wave velocity in the upper 30 m) of 250 m/sec.

Ground Motion Prediction Models

To estimate the ground motions for crustal earthquakes in the PSHA, we used recently developed ground motion prediction models appropriate for tectonically active crustal regions. The crustal models, developed as part of the NGA-West2 Project sponsored by PEER Center Lifelines Program, were published in 2014.

The NGA-West1 Project began in 2003 and in 2008, the first set of models became available. The NGA West-1 models had a substantially better scientific basis than past relationships, which generally dated around 1997 (e.g., Abrahamson and Silva, 1997), because they were developed through the efforts of five selected ground motion prediction developer teams working in a highly interactive process with other researchers who: (a) developed an expanded and improved database of strong ground motion recordings and supporting information on the causative earthquakes, the source-to-site travel path characteristics, and the site and structure conditions at ground motion recording stations; (b) conducted research to provide improved understanding of the effects of various parameters and effects on ground motions that are used to constrain models; and (c) developed improved statistical methods to develop ground motion relationships including uncertainty quantification. The NGA West-1 models benefited greatly from a large amount of new strong motion data from large earthquakes (**M** > 7) at close distances (< 25 km). Data include records from the 1999 **M** 7.6 Chi Chi, Taiwan, 1999 **M** 7.4 Kocaeli, Turkey, and 2002 **M** 7.9 Denali, Alaska earthquakes.

The NGA-West2 models were developed based on an expanded strong motion database compared to the initial NGA database. A number of more recent well recorded earthquakes were added to the NGA-West2 database including the Wenchuan, China, numerous moderate magnitude California events down to **M** 3.0, and several Japanese, New Zealand, and Italian earthquakes.

The NGA-West2 models by Chiou and Youngs (2014), Campbell and Bozorgnia (2014), Abrahamson *et al*. (2014) and Boore *et al*. (2014) were used in the PSHA. The models were weighted equally in the hazard analyses (Figure 3).

Other input parameters include $Z_{1.0}$, the depth to a V_S of 1.0 km/sec and $Z_{2.5}$, the depth to a V_S of 2.5 km/sec. Both parameters were used by some of the developers as proxies for basin effects. $Z_{1.0}$ is used by Chiou and Youngs (2014), Boore *et al*. (2014) and Abrahamson *et al*. (2014) and $Z_{2.5}$ is only used in one model, Campbell and Bozorgnia (2014). The default values of $Z_{1.0}$ and $Z_{2.5}$, 0.425 km and 2.165 km, respectively, based on the V_S30 from equations provided by the developers, were used in the PSHA. Other parameters such as depth to the top of rupture (zero for all faults that intersect the surface unless specified otherwise), dip angle, rupture width, and aspect ratio were specified for each fault or calculated within the PSHA code.

As noted by Al Atik and Youngs (2014) the development of the NGA-West2 models was a collaborative effort with many interactions and exchanges of ideas among the developers and the developers indicated that an additional epistemic uncertainty needs to be incorporated into the median ground motions in order to more fully represent an appropriate level of epistemic uncertainty. Hence, for each of the four NGA-West2 models, an additional epistemic uncertainty on the median ground motion was included. The three-point distribution and model of Al Atik and Youngs (2014) was applied (Figure 3). The model is a function of magnitude, style of faulting, and spectral period.

PSHA RESULTS

The following PSHA results are applicable to the Old Main and neighboring Santa Clara Valley Medical Center sites.

The hazard curves for peak horizontal ground acceleration (PGA), 0.2 sec spectral acceleration (SA), 1.0 sec SA are shown on Figures 4 to 6 for a V_S30 site condition of 250 m/sec. At a return period of 2,475 years, there is a factor of 1.7 difference between the 5th and 95th percentile ground motions at PGA (Table 2). This uncertainty is typical of Bay Area sites and is due in large part to the ground motion models. The mean, 5th percentile and 95th percentile PGA, 0.2, sec SA and 1.0 sec SA for select return periods are listed in Table 2.

The contributions of the various seismic sources to the mean PGA, 0.2 sec SA and 1.0 sec SA hazard are shown on Figures 7 to 9. The San Andreas fault dominates the PGA hazard for return periods of approximately 500 years and greater, with the Calaveras fault a significant contributor at shorter return periods. At 1.0 sec SA hazard the San Andreas fault is the controlling source.

Figures 10 to 18 illustrate the contributions by sources after deaggregating the mean PGA, 0.2 sec and 1.0 sec horizontal SA hazard by magnitude, distance and epsilon bins for a 225-, 975- and 2,475-year return periods. Epsilon is the difference between the logarithm of the ground motion amplitude and the modal logarithm of ground motion (for that M and R) measured in units of the standard deviation (σ) of the logarithm of the ground motion. The PGA, 0.2 sec SA and 1.0 sec SA hazard are dominated by events in the magnitude range of **M** 6.0 to 8.0 at distances less than 20 km corresponding to events on the San Andreas and Calaveras faults.

Based on the magnitude and distance bins (e.g., Figures 10 to 18), the controlling earthquakes as defined by the modal magnitude **M***, rupture distance D*, and epsilon ε* can be calculated. Epsilon is the difference between the logarithm of the ground motion amplitude and the mean logarithm of ground motion (for that M and R) measured in units of the standard deviation (σ) of the logarithm of the median ground motion. Therefore, an epsilon greater than zero represents an above-average ground motion. Table 3 lists the **M***, D*, and ε* for the return periods and spectral periods of interest. Table 4 lists the **M*** and D* when the epsilons are combined for each magnitude-distance bin. Table 5 lists the mean $\overline{M}$, $\overline{D}$, $\overline{\varepsilon}$ values.

The sensitivities of the PGA, 0.2 sec SA and 1.0 sec SA hazard to selection of ground motion models are shown on Figures 19 to 21, respectively. At PGA and 0.2 sec SA, Campbell and Bozorgnia (2014) gives the lowest hazard, while Boore *et al.* (2014) gives the highest (Figures 19 and 20). At 1.0 sec SA, the models give similar results (Figure 21).

The Uniform Hazard Spectra (UHS) for multiple return periods is shown on Figure 22. The UHS reflects the geometric mean of expected horizontal ground motions, as predicted by the NGA-West2 models. The values are provided in Table 6.

Table 2. Summary of Horizontal Probabilistic Ground Motions

Return Period (years)	PGA (g) Mean [5th, 95th percentile]	0.2 Sec SA (g) Mean [5th, 95th percentile]	1.0 Sec SA (g) Mean [5th, 95th percentile]
225	0.48 [035, 0.60]	1.18 [0.85, 1.47]	0.73 [0.56, 0.88]
975	0.70 [0.50, 0.86]	1.70 [1.22, 2.10]	1.19 [0.94, 1.43]
2,475	0.86 [0.60, 1.05]	2.08 [1.46, 2.63]	1.55 [1.23, 1.86]

Table 3. Modal Magnitude, Distance and Epsilon

Period (sec)		225-yr	975-yr	2,475-yr
PGA	M*	6.3	6.3	6.3
	D* (km)	17.5	17.5	17.5
	ε*	1.5	> 2.0	> 2.0
0.2 sec SA	M*	6.3	6.3	6.3
	D* (km)	17.5	17.5	17.5
	ε*	1.5	> 2.0	> 2.0
1.0 sec SA	M*	7.1	7.1	7.3
	D* (km)	12.5	12.5	12.5
	ε*	1.5	1.5	1.5

Table 4. Modal Magnitude and Distance (combined Epsilon)

Period (sec)		225-yr	975-yr	2,475-yr
PGA	M*	6.3	6.3	7.1
	D* (km)	17.5	17.5	12.5
0.2 sec SA	M*	6.3	6.3	6.3
	D* (km)	17.5	17.5	17.5
1.0 sec SA	M*	7.1	7.1	7.1
	D* (km)	12.5	12.5	12.5

Table 5. Mean Magnitude, Distance and Epsilon

Period (Sec)		225-yr	975-yr	2,475-yr
PGA	$\bar{M}$	6.7	6.8	6.9
	$\bar{D}$ (km)	17.5	16.3	15.8
	$\bar{\varepsilon}$	1.5	2.0	2.3
0.2 sec SA	$\bar{M}$	6.6	6.6	6.7
	$\bar{D}$ (km)	18.7	17.7	17.2
	$\bar{\varepsilon}$	1.6	2.1	2.5
1.0 sec SA	$\bar{M}$	6.9	7.1	7.1
	$\bar{D}$ (km)	18.4	16.7	15.9
	$\bar{\varepsilon}$	1.4	1.9	2.2

Table 6. 5%-Damped Mean Horizontal Uniform Hazard Spectra

	225-yr	975-yr	2,475-yr
Period (sec)	**SA (g)**	**SA (g)**	**SA (g)**
0.01 (PGA)	0.48	0.70	0.86
0.03	0.49	0.73	0.90
0.05	0.57	0.84	1.05
0.10	0.87	1.30	1.63
0.15	1.07	1.56	1.94
0.20	1.18	1.70	2.08
0.30	1.26	1.86	2.29
0.40	1.22	1.84	2.30
0.50	1.14	1.76	2.22
0.60	1.03	1.60	2.04
0.75	0.90	1.43	1.83
1.00	0.73	1.18	1.54
1.50	0.49	0.83	1.10
2.00	0.36	0.63	0.85
3.00	0.22	0.40	0.56
4.00	0.15	0.28	0.39
5.00	0.11	0.21	0.30
7.50	0.054	0.11	0.16
10.00	0.032	0.065	0.097

COMPARISON WITH USGS NATIONAL SEISMIC HAZARD MAPS

In 1996, the USGS released a “landmark” set of National Hazard Maps for earthquake ground shaking, which was a significant improvement from previous maps they had developed (Frankel *et al.*, 1996).

These maps were the result of the most comprehensive analyses of seismic sources and ground motion prediction ever undertaken on a national scale. These maps were subsequently updated by Petersen *et al*. (2014). The maps are the basis for the NEHRP Maximum Considered Earthquake (MCE) maps, which are used in the International Building Code. The maps are for NEHRP site class B/C (firm rock) (V_S30 760 m/sec), though values for other site classes have been made available by the USGS. For a 2,475-year return period (2% exceedance probability in 50 years), and a V_S30 of 259 m/sec the 2014 National Hazard Maps indicate a PGA of 0.87 g and a 1.0 sec SA of 1.52 g for the project site.

The site-specific PGA computed in this study is 0.86 g, with 5th and 95th percentile PGA values of 0.60 g and 1.05 g, respectively (Table 2). The site-specific 1.0 sec SA value is 1.55 g, with 1.0 sec SA values for 5th and 95th percentile of 1.23 g and 1.86 g, respectively. The site-specific values are very similar to the USGS values, and within the range of uncertainty.

DETERMINISTIC SEISMIC HAZARD RESULTS

Deterministic seismic hazard analysis (DSHA) was performed for a **M** 7.9 event on the San Andreas fault system at a rupture distance of 14.8 km and a **M** 7.0 on the Monte Vista-Shannon (Foothill) thrust fault at a rupture distance of 7.5 km. The same NGA models used in the PSHA were used in the DSHA. The median and 84th percentile spectra are shown on Figure 23 with the values provided in Table 7. The sensitivity to the ground motion models for the San Andreas fault is shown on Figure 24. The Boore *et al.,* (2014) model gives the largest ground motions, except in the period range of 0.2 sec to 2.0 sec, which the Abrahamson *et al*. (2014) and Chiou and Youngs (2014) models give the largest ground motions.

The horizontal 84th percentile spectra are compared to the horizontal UHS for a range of return periods on Figure 25. The 84th percentile spectrum for the San Andreas fault is similar to the 225-year return period UHS up to a period of 0.3 sec and slightly less than the 2475-year return period UHS at periods of 5 sec and greater, while the 84th percentile spectrum for the Monte Vista-Shannon fault falls between the 225- and 975-year return period UHS.

Table 7. 5%-Damped Horizontal Deterministic Spectra

	San Andreas Fault		Monte Vista-Shannon Fault	
	Median	84th Percentile	Median	84th Percentile
Period (sec)	SA (g)	SA (g)	SA (g)	SA (g)
0.010	0.32	0.53	0.37	0.62
0.020	0.32	0.53	0.37	0.62
0.030	0.32	0.53	0.37	0.62
0.050	0.34	0.58	0.40	0.67
0.075	0.40	0.69	0.47	0.80
0.100	0.46	0.80	0.55	0.94
0.150	0.58	0.98	0.69	1.16
0.200	0.67	1.12	0.79	1.32
0.250	0.72	1.22	0.87	1.45
0.300	0.76	1.31	0.91	1.55
0.400	0.77	1.37	0.91	1.60
0.500	0.74	1.35	0.86	1.55
0.750	0.60	1.14	0.68	1.28

	San Andreas Fault		Monte Vista-Shannon Fault	
	Median	**84th Percentile**	**Median**	**84th Percentile**
1.000	0.51	0.99	0.56	1.09
1.500	0.38	0.77	0.39	0.78
2.000	0.30	0.61	0.29	0.58
3.000	0.21	0.43	0.18	0.36
4.000	0.16	0.32	0.11	0.23
5.000	0.12	0.24	0.078	0.16
7.500	0.064	0.13	0.035	0.071
10.000	0.037	0.074	0.019	0.038

GROUND MOTIONS PER ASCE 7-16 STANDARD

The criteria for site-specific design ground motions is provided in ASCE 7-16, Chapter 21 *Site-Specific Ground Motion Procedures for Seismic Design*, Section 21.2.

ASCE 7-16 requires the use of maximum direction ground motions. Ground motion prediction models (i.e., NGA-West2) provide the geometric mean (specifically GMRotD50) of the horizontal components. Scaling factors have been developed (e.g., 2009 NEHRP Provisions) and are presented in ASCE 7-16, Section 21.2 to convert to maximum direction. These scale factors are applied to the 2,475-year UHS and 84th percentile deterministic spectra.

ASCE 7-16 also requires the development of risk-targeted maximum considered earthquake response spectra determined from the PSHA. Previous building codes have used the 2,475-year return period (2% in 50-year exceedance frequency) ground motions as the probabilistic MCE. ASCE 7-16 requires estimation of ground motions that are expected to achieve a 1% probability of collapse in 50 years. To obtain these probabilistic ground motions, the hazard curve is iteratively integrated with a lognormal probability density function representing the collapse fragility. For a site-specific analysis, ASCE 7-16 Chapter 21 provides two methods to calculate the probabilistic ground motions. Method 1 corrects the site-specific 2,475-year return period UHS to risk-targeted ground motions by applying a risk coefficient, C_R. These risk-coefficients have been calculated for the continental U.S. by the USGS and are based on the 2014 USGS hazard curves, which are the basis for the 2014 USGS National Seismic Hazard Maps. Method 2 computes the risk-targeted ground motions by directly integrating the site-specific hazard curve with a collapse fragility function. For this study, Method 1 was used to compute the MCE_R and DRS.

As in previous versions (ASCE 7-10 and CBC 2016), ASCE 7-16 caps the probabilistic ground motions with the site-specific deterministic ground motions; thus the site-specific MCE_R is the minimum of the probabilistic MCE_R and the deterministic MCE. The site-specific DRS is the maximum of two-thirds the MCE_R and 80% of the general code spectra for the appropriate site class.

MCE_R AND DRSA

The procedure described above was followed to obtain site-specific MCE_R and DRS for the VMC Old Main West and Services Building. Figures 26 to 28 illustrate the development of the site-specific MCE_R and DRS.

Figure 26 shows the conversion of the 84th percentile deterministic spectra from geometric mean to maximum direction. The scaling factors in the ASCE 7-16 Section 21.2 are used. Previous versions of ASCE 7, included a minimum deterministic lower limit response spectrum which the site-specific

deterministic MCE_R spectrum could not fall below. This has been modified according to ASCE 7-16 Supplement 1, such that if the largest spectral response acceleration of the resulting maximum direction deterministic response spectrum is less than 1.5 times the short period site coefficient, F_a, then the maximum direction deterministic response spectrum is scaled by a factor such that the maximum response spectral acceleration value is equal to 1.5 times F_a. F_a is determined by using Table 11.4.1 for Site Classes A, B, C, and D with the value of S_S, the spectral response acceleration parameter at short periods, taken as 1.5 for the project site. The corresponding value of F_a in this table is 1.0. The site-specific deterministic MCE_R is shown on Figure 26.

Figure 27 shows the adjustment of the site-specific 2,475-year return period UHS to the maximum direction and the application of the risk coefficients to obtain the probabilistic MCE_R response spectrum. First, the maximum direction scaling factors are applied and then the risk-coefficient. The risk coefficient, C_R, is defined as C_{RS} at periods less than or equal to 0.2 sec and C_{R1} for periods greater than or equal to 1.0 sec, with linear interpolation used to define C_R for periods between 0.2 and 1.0 sec. For this project, C_{RS} equals 0.958 and C_{R1} equals 0.932.

After determining the site-specific probabilistic (2,475-year) and deterministic MCE_R (Table 8), the two are compared and the minimum taken, which for this project is the deterministic MCE_R. The resulting site-specific MCE_R is shown in Figure 28. In accordance with ASCE 7-16, two-thirds of the site-specific MCE_R is compared with 80% of the ASCE 7-16 code general DRS at Site Class D (Table 8), with the maximum of these being the site-specific DRS as shown in Figure 28. The values for the site-specific MCE_R and DRS are provided in Table 9.

Table 8. Site-Specific MCE_R & DRS and 80% General Design Response Spectrum

	Deterministic MCE_R	Probabilistic MCE_R	80% General Design Response Spectrum
Period (sec)	SA (g)	SA (g)	SA (g)
0.010	0.684	0.904	0.344
0.020	0.684	0.924	0.368
0.030	0.683	0.945	0.392
0.040	0.710	1.026	0.416
0.050	0.736	1.108	0.440
0.060	0.796	1.230	0.464
0.070	0.855	1.352	0.488
0.080	0.915	1.474	0.512
0.090	0.976	1.596	0.536
0.100	1.037	1.718	0.560
0.150	1.275	2.044	0.680
0.200	1.447	2.191	0.800
0.250	1.610	2.322	0.800
0.300	1.746	2.455	0.800
0.350	1.792	2.486	0.800
0.400	1.839	2.518	0.800
0.450	1.833	2.497	0.800
0.500	1.827	2.476	0.800
0.600	1.736	2.315	0.800

	Deterministic MCE_R	Probabilistic MCE_R	80% General Design Response Spectrum
0.700	1.640	2.195	0.800
0.800	1.558	2.082	0.800
0.900	1.492	1.979	0.800
1.000	1.422	1.871	0.800
1.250	1.227	1.620	0.640
1.500	1.029	1.364	0.533
2.000	0.828	1.065	0.400
2.500	0.719	0.899	0.320
3.000	0.607	0.727	0.267
3.500	0.536	0.632	0.229
4.000	0.463	0.532	0.200
4.500	0.414	0.475	0.178
5.000	0.362	0.415	0.160
6.000	0.294	0.339	0.133
7.000	0.227	0.264	0.114
8.000	0.176	0.208	0.100
9.000	0.143	0.172	0.089
10.000	0.110	0.136	0.080

Table 9. Site-Specific ASCE 7-16 Response Spectra

	MCE_R	DRS
Period (sec)	SA (g)	SA (g)
0.010	0.684	0.456
0.020	0.684	0.456
0.030	0.683	0.456
0.040	0.710	0.473
0.050	0.736	0.491
0.060	0.796	0.530
0.070	0.855	0.570
0.080	0.915	0.610
0.090	0.976	0.651
0.100	1.037	0.691
0.150	1.275	0.850
0.200	1.447	0.965
0.250	1.610	1.073
0.300	1.746	1.164
0.350	1.792	1.195
0.400	1.839	1.226

	MCE_R	DRS
0.450	1.833	1.222
0.500	1.827	1.218
0.600	1.736	1.157
0.700	1.640	1.093
0.800	1.558	1.039
0.900	1.492	0.995
1.000	1.422	0.948
1.250	1.227	0.818
1.500	1.029	0.686
2.000	0.828	0.552
2.500	0.719	0.480
3.000	0.607	0.404
3.500	0.536	0.357
4.000	0.463	0.309
4.500	0.414	0.276
5.000	0.362	0.241
6.000	0.294	0.196
7.000	0.227	0.151
8.000	0.176	0.118
9.000	0.143	0.096
10.000	0.110	0.080

Design Acceleration Parameters

Design acceleration parameters as per ASCE 7-16, Section 21.4 are provided in Table 10. The site-specific S_{DS} is taken as the 0.2 sec SA, except not less than 90 percent of the SA at any period greater than 0.2 sec. The maximum SA occurs at 0.4 sec and is 1.226 g; 90% of this value is 1.103 g, which is greater than the SA of 0.965 g at 0.20 sec, so S_{DS} = 1.103 g. ASCE 7-16 requires the parameter S_{D1} be taken as the maximum value of the product, T*SA, for periods from 1 to 5 sec for sites with $V_{S30} \leq 366$ m/s. In this period band the maximum value of T*SA occurs at 3.5-sec period and is equal to 3.5x0.357=1.250 g. The parameters S_{MS} and S_{M1} are 1.5 times S_{DS} and S_{D1}, respectively. The design response spectrum (per the spectral shape in Figure 11.4-1 of ASCE 7-16) constructed from S_{DS} = 1.103 g and S_{D1} = 1.250 g is shown in Figure 29. The transition period, T_S, is S_{D1}/S_{DS} = 1.133 sec, and T_O = 0.2x1.133 = 0.227 sec. Also shown in this figure is the site-specific DRS.

Table 10. Site-Specific Design Acceleration Parameters per Sect. 21.4 of ASCE 7-16

	Spectral Value (g)
S_{DS}	1.103
S_{D1}	1.250
S_{MS}	1.655
S_{M1}	1.875

SUMMARY

A site-specific seismic hazard analysis has been performed for the Old Main West and Services Building projects following ASCE 7-16, Chapter 21, and CBC 2019. A PSHA was performed using the seismic source characterization adopted from a model developed as part of the California Department of Water Resources' Delta Risk Management Strategy Project (URS Corporation/Jack Benjamin & Associates, 2007). These characterizations were updated based on a review of the statewide rupture forecast project, the Unified California Earthquake Rupture Forecast (UCERF3) (Field *et al.*, 2013). A DSHA was performed for the most significant faults in the project site region. The MCE_R was developed following the procedure of ASCE 7-16, Section 21.2 and the DRS following the procedure of ASCE 7-16, Section 21.3. Per Section 21.4, the site-specific design and MCE_R acceleration parameters, S_{DS} and S_{D1}, and S_{MS} and S_{M1}, are provided in Table 10.

LIMITATIONS

The opinions and recommendations presented in this report were developed with the standard of care commonly used in this profession. No other warranties are included, either express or implied, as to the professional advice provided. The accompanying ground motions are for the project site at Santa Clara Valley Medical Center and should not be used for any other purpose.

We are pleased to have been of further service to SCVHHS on this project. If you have any questions, please contact our office at your convenience.

Sincerely,

Mark C. Dober

Mark Dober
Senior Seismologist

Aagaard, B.T., Blair, J. L., Boatwright, J., Garcia, S.H., Harris, R.A., Michael, A.J., Schwatz, D.P., and DiLeo, J.S., 2016, Earthquake Outlook for the San Francisco Bay Region 2014-2043: U.S. Geological Survey Fact Sheet 2016-3020, 6 p.

Abrahamson, N.A. and Silva, W.J., 1997, Empirical response spectral attenuation relations for shallow crustal earthquakes: Seismological Research Letters, v. 68, p. 94-127.

Abrahamson, N.A., Silva, W.J., and Kamai, R., 2014, Summary of the ASK14 ground-motion relation for active crustal regions: Earthquake Spectra, v. 30, p. 1025-1055.

Aki, K., 1983, Seismological evidence in support of the existence of "Characteristic Earthquakes": Earthquake Notes, v. 54, p. 60-61.

Al Atik, L. and Youngs, R., 2014, Epistemic uncertainty for NGA-West2 models: Earthquake Spectra, v. 30, p. 1301-1318.

Anderson, J.G., 1979, Estimating the seismicity from geological structure for seismic risk studies: Bulletin of the Seismological Society of America, v. 69, p. 135-158.

Anderson, L.W. and Piety, L.A., 2001, Geologic seismic source characterization of the San Luis-O'Neill area, eastern Diablo Range, California for B.F. Sisk and O'Neill Forebay dams, San Luis Unit, Central Valley Project, California: U.S. Bureau of Reclamation, Seismotectonic Report 2001-2, 76 p.

Angell, M.A., Hanson, K.L., and Crampton, T., 1997, Characterization of Quaternary contractional deformation adjacent to the San Andreas fault, Palo Alto, California: Final Report submitted to the U.S. Geological Survey, National Earthquake Hazards Reduction Program, Award No. 1434-95-G-2586.

Aydin, A., 1982, The East Bay hills, a compressional domain resulting from interaction between the Calaveras and Hayward-Rogers Creek faults, *in* Hart, E.W., Hirschfeld, S.E., and Schulz, S.S. (eds.), Proceedings, Conference on Earthquake Hazards in the Eastern San Francisco Bay Area: California Division of Mines and Geology Special Publication 62, p. 11-21.

Baldwin, J.N., Kelson, K.I., Witter, R.C., Koehler, R.D., Helms, J.G., and Barron, A. D., 2002, Preliminary Report On The Late Holocene Slip Rate Along The Central Calaveras Fault, Southern San Francisco Bay Area, Gilroy, California, Final Technical Report, U.S. Geological Survey, Award 00-HQ-GR-0073, p. 1-28.

Berger, G. W., T. L. Sawyer, and J. R. Unruh (2010). Single- and multigrain luminescence dating of sediments related to the Greenville fault, eastern San Francisco Bay area, California, Bull. Seismol. Soc. Am. 100, 1051–1072.

Boore, D.M., Stewart, J.P., Seyhan, E., Atkinson, G.M., 2014, NGA-West2 equations for predicting PGA, PGV, and 5%-damped PSA for shallow crustal earthquakes: Earthquake Spectra, v. 30, p. 1057-1085.

Bullard, T.F., Hanson, K.L., and Abramson, H., 2004, Quaternary investigations to evaluate seismic source characteristics of the Frontal Thrust Belt, Palo Alto region, California: collaborative research, Desert Research Institute and Geomatrix Consultants: Final Report submitted to the U.S. Geological Survey, National Earthquake Hazards Reduction Program, Award No. 01HQGR0015 (Desert Research Institute) and 01HQGR0016 (Geomatrix Consultants).

Bürgmann, R., Arrowsmith, R., Dumitru, T., and McLaughlin, R., 1994, Rise and fall of the Southern Santa Cruz Mountains, California, from fission tracks, geomorphology, and geodesy: Journal of Geophysical Research, v. 99, p. 20181-20202.

California Division of Oil and Gas (CDOG). 1982. Oil and gas fields, Northern California: Volume 3 of Publication TR10. State of California.

Campbell, K.W. and Bozorgnia, Y., 2014, NGA-West2 ground motion model for the average horizontal components of PGA, PGV, and 5%-damped linear acceleration response spectra: Earthquake Spectra, v. 30, p. 1087-1115.

Cao, T.C., Bryant, W.A., Rowshandel, B., Branum, D., and Wills, C.J., 2003, The revised 2002 California probabilistic seismic hazard maps, June 2003: California Geological Survey website.

Carpenter, D.W., Ramirez, A.L., and Wagoner, J., 1980, Status report on the geology of the Lawrence Livermore Laboratory site and adjacent areas: Lawrence Livermore National Laboratories, UCLR-53065, v. 2.

CDWR, 1979, Re-evaluation of seismic hazards for Clifton Court Forebay, Bethany Dams and Reservoir, Patterson Reservoir, Del Valle Dam and Lake Del Valle: State of California, Department of Water Resources, Sacramento, CA.

Chiou, B-S.J. and Youngs, R.R., 2014, Update of the Chiou and Youngs NGA ground motion model for average horizontal component of peak ground motion and response spectra: Earthquake Spectra, v. 30, p. 1117-1153.

Clahan, K.B., Wagner, D., Bezore, S., Saucedo, G., and Gutierrex, C., 2005, New geologic mapping of the northern San Francisco Bay region: Implications and findings for Quaternary faulting: U.S. Geological Survey National Earthquake Research Program, Northern California Earthquake Hazards, Research Summaries, FY2005, 2p

Cornell, C.A., 1968, Engineering seismic risk analysis: Bulletin of the Seismological Society of America, v. 58, p. 1583-1606.

d'Allesio, M.A., Johanson, I.A., Bürgmann, R., Schmidt, D.A., and Murray, M.H., 2005, Slicing up the San Francisco Bay Area: Block kinematics and fault slip rates from GPS-derived surface velocities: Journal of Geophysical Research 110, doi:10.1029/2004JB003496, 19 p.

dePolo, C.M., 1994, The maximum background earthquake for the Basin and Range Province, western North America: Bulletin of the Seismological Society of America, v. 84, p. 466-472.

Dibblee, T.W., 1980, A preliminary geologic map of the Livermore Quadrangle, Alameda and Contra Costa counties, California: U.S. Geological Survey Open-File Report 80-533b, scale 1:24,000.

Dibblee, T.W., Jr., 1981, A preliminary map of the Mendenhall Springs Quadrangle, Alameda County, California: U.S. Geological Survey Open-File Report 81-235, scale 1:24,000

Du, Y. and Aydin, A., 1992, Three-dimensional characteristics of dike intrusion along the northern Iceland rift from inversion of geodetic data: Tectonophysics, v. 204, p. 111-121.

Fenton, C. H., and Hitchcock, C.S, 2001, Recent Geomorphic and Paleoseismic Investigations of Thrust Faults in Santa Clara Valley, California in Engineering Geology Practice in Northern California, Association of Engineering Geologists Special Publication 12, Edited by H. Ferriz and R. Anderson, pp. 239 – 257.

Field, E.H., Biasi, G.P., Bird, P., Dawson, T.E., Felzer, K.R., Jackson, D.D., Johnson, K.M., Jordan, T.H., Madden, C., Michael, A.J., Milner, K.R., Page, M.T., Parsons, T., Powers, P.M., Shaw, B.E., Thatcher, W.R., Weldon, R.J., II, and Zeng, Y., 2013, Uniform California earthquake rupture forecast, version 3 (UCERF3)—The time-independent model: U.S. Geological Survey

Open-File Report 2013–1165, 97 p., California Geological Survey Special Report 228, and Southern California Earthquake Center Publication 1792, http://pubs.usgs.gov/of/2013/1165/.

Frankel, A., C. Mueller, T. Barnard, D. Perkins, E.V. Leyendecker, N. Dickman, S. Hanson, and M. Hopper, 1996. National seismic-hazard maps; documentation June 1996: U.S. Geological Survey Open-File Report 96-532, 110 p

Galehouse, J.S., and Lienkaemper, J.J., 2003, Inferences drawn from two decades of alignment array measurements of creep on faults in the San Francisco Bay Region: Bulletin of the Seismological Society of America, v. 93, p. 2,415-2,433.

Graymer, R.W., Bryant, W., McCabe, C.A., Hecker, S., and Prentice, C.S., 2006, Map of Quaternary-active faults in the San Francisco Bay region: U. S. Geological Survey Scientific Investigations Map 2919, one sheet, scale 1:275,000.

Hale, C., Abrahamson, N., and Bozorgnia, Y., 2018, Probabilistic seismic hazard analysis code verification: PEER Report 2018/03, Pacific Earthquake Engineering Research Center, College of Engineering, University of California, Berkeley, 139 p.

Hall, N.T., 1984, Holocene History of the San Andreas fault between Crystal Springs Reservoir and San Andreas Dam, San Mateo County, California: Bulletin of the Seismological Society of America, vol. 74, no., 1, p. 281-300.

Hanks, T.C. and Bakun, W.H., 2008, **M**—log A observations for recent large earthquakes, Bulletin of the Seismological Society of America, v. 98, p. 490-494.

Hanks, T.C. and Kanamori, H. 1979, A moment magnitude scale: Journal of Geophysical Research, v. 84, p. 2348-2350.

Hanson, K.L. and Wesling, J.R., 2006, Mapping of the West Napa fault zone for input into the Northern California Quaternary fault database: USGS NEHRP Northern California Earthquake Hazards Research Summaries FY2005: 3rd Annual Northern California Earthquake Hazards Workshop, January 18-19, 2006, Workshop Report, p. 38-39.

Hanson, K.L. and Wesling, J.R., 2007, Mapping of the West Napa fault zone for input into the Northern California Quaternary fault database: USGS NEHRP Northern California Earthquake Hazards Research Summaries FY2006: 3rd Annual Northern California Earthquake Hazards Workshop, January 18-19, 2007, Workshop Report, 2 p.

Harland Tait & Associates, 1994, Fault and limited geotechnical investigation North Fairfield Site, Fairfield, California: unpublished report submitted to the City of Fairfield.

Hart, E.W., 1980, Calaveras and Verona faults (Dublin Quadrangle): California Division of Mines and Geology Fault Evaluation Report FER-108.

Hart, E.W., 1981a, Las Positas fault, south branch: California Division of Mines and Geology Fault Evaluation Report FER-112.

Hart, E.W., 1981b, Pleasanton and related faults (Dublin Quadrangle vicinity): California Division of Mines and Geology Fault Evaluation Report FER-109.

Haugerud, R.A. and Ellen, S.D., 1990, Coseismic ground deformation along the northeast margin of the Santa Cruz Mountains, *in* Schwartz, D.P. and Ponti, D.J. (eds.), Field guide to neotectonics of the San Andreas fault system, Santa Cruz Mountains, in light of the 1989 Loma Prieta earthquake: U.S. Geological Survey Open File Report 90-274, p. 32-38.

Herd, D.G. and Brabb, E.E., 1980, Faults at the General Electric test reactor site, Vallecitos Nuclear Center, Pleasanton, California: A summary review of their geometry, age of last movement, recurrence, origin, and tectonic setting and the age of the Livermore Gravels: U. S. Geological Survey Administrative Report, 77 p.

Hitchcock, C. and Kelson, K., 1999, Growth of late Quaternary folds in southwest Santa Clara Valley, San Francisco Bay area, California: Implications of triggered slip for seismic hazard and earthquake recurrence: Geology, v. 27, p. 391–394.

Irwin, W.P., 1990, Geology and plate tectonic development, in The San Andreas Fault System, California, Wallace, R.E. (ed.), U.S. Geological Survey Professional Paper 1515, p. 61-80.

Jahns, R.H. and Harding, R.C., 1982, Evaluation of the inferred Verona fault in the Vallecitos Valley, California (abs.), in Proceedings, Conference on Earthquake Hazards in the Eastern San Francisco Bay Area, California, E.W. Hart, S.E. Hirschfeld, and S.S. Schulz (eds.): California Division of Mines Geological Special Publication 62, 185 p.

Keefer, D.I. and Bodily, S.E., 1983, Three-point approximations for continuous random variables: Management Science, v. 26, p. 595-609.

Kelson, K.I., 2001, Geologic characterization of the Calaveras fault as a potential seismic source, San Francisco Bay area, California, in Engineering Geology Practice in Northern California, Ferriz, H. and Anderson, R. (eds.), AEG Special Publication 12 / California Geological Survey Bulletin 210, p. 179-192.

Kelson, K.I., Baldwin, J.N., and Brankman, C.M., 2003, Late Holocene Displacement of the Central Calaveras Fault, Furtado Ranch Site, Gilroy, CA: Final Technical Report, U.S. Geological Survey, Award 01-HQ-GR00124, p. 1-38.

Kennedy, D.G. and Hitchcock, C.S. (eds.), 2004, Seismic Hazard of the Range Front Thrust Faults, Northeastern Santa Cruz Mountains/Southwestern Santa Clara Valley: Field Trip Guidebook, Association of Engineering Geologists (AEG), San Francisco Section, March 27.

Kennedy, D.G., Caskey, J., Hitchcock, C.S., Kelson, K.I., Thompson, S.C., Rubin, R.S., Connelly, S.F., Borchardt, G., Bullard, T.F., Hanson, K.L., AbramsonWard, H., Angell, M.M., and Wesling, J. R., 2005, Seismic Hazard of the Front Range Thrust Faults, Santa Cruz Mountains, Field trip guidebook and volume prepared for the Joint Meeting of the Cordilleran Section, GSA and Pacific Section, AAPG, April 29-May 1, 2005, San Jose, California.

Lienkaemper, J. and Brown, J., 2009, Preliminary investigation of factors affecting the seismic potential of the Bartlett Springs fault zone, northern California: American Geophysical Union, Fall Meeting 2009, abstract #S51B-1403.

Lienkaemper, J.J., 2010, Recently active traces of the Bartlett Springs Fault, California; a digital database: U.S. Geological Survey Data Series 541, 10 p.

Lienkaemper, J.J., 2012, Recently active traces of the Berryessa section and adjacent sections of the Green Valley Fault Zone, California: A Digital Database: U.S. Geological Survey Data Series 710, 12 p.

Molnar, P., 1979, Earthquake recurrence intervals and plate tectonics: Bulletin of the Seismological Society of America, v. 69, p. 115-133.

O'Connell, D.R.H., Unruh, J.R. and Block, L.V., 2001, Source characterization and ground-motion modeling of the 1892 Vacaville-Winters earthquake sequence, California: Bulletin of the Seismological Society of America, v. 91, p. 1,471-1,497.

Oppenheimer, D.H. and Macgregor-Scott, N., 1992, The seismotectonics of the eastern San Francisco Bay region, *in* Proceedings of the Second Conference on Earthquake Hazards in the Eastern San Francisco Bay Area, Borchardt, G., Hirschfeld, S.E., Lienkaemper, J.J., McClellan, P., Williams, P.L. and Wong, I.G. (eds.), California Division of Mines and Geology Special Publication 113, p. 11-16.

Oppenheimer, D.H., Bakun, W.H., and Lindh, A.G., 1990, Slip partitioning of the Calaveras fault, California, and prospects for future earthquakes: Journal of Geophysical Research, v. 95, p. 8483-8498.

Page, B.M., 1982, Modes of Quaternary tectonic movement in the San Francisco Bay region, California, *in* California Division of Mines and Geology Special Publication 62, p. 1-10.

Petersen, M.D., Bryant, W.A., Cramer, C.H., Cao, T., Reichle, M.S., Frankel, A.D., Lienkaemper, J.J., McCrory, P.A. and Schwartz, D.P., 1996, Probabilistic seismic hazard assessment for the State of California: U.S. Geological Survey, Open-File Report 96-706, 59 p.

Petersen, M.D., Moschetti, M.P., Powers, P.M., Mueller, C.S., Haller, K.M., Frankel, A.D., Zeng, Yuehua, Rezaeian, Sanaz, Harmsen, S.C., Boyd, O.S., Field, Ned, Chen, Rui, Rukstales, K.S., Luco, Nico, Wheeler, R.L., Williams, R.A., and Olsen, A.H., 2014, Documentation for the 2014 update of the United States national seismic hazard maps: U.S. Geological Survey Open-File Report 2014–1091, 243 p.

Prescott, W.H. and Burford, R.O., 1976, Slip on the Sargent fault: Bulletin of the Seismological Society of America, v. 66, p. 1013-1016.

Prescott, W.H., Lisowski, M. and Savage, J.C., 1981, Geodetic measurements of crustal deformation on the San Andreas, Hayward, and Calaveras fault near San Francisco, California: Journal of Geophysical Research, v. 86, p. 10,853-10,869.

Savy, J.B. and Foxall, W., 2002, Lawrence Livermore National Laboratory site seismic safety program: Summary of findings: UCRL-LR-53674 Rev. 2.

Sawyer, T.L., 1998, Assessment of contractile deformation rates of the Mt. Diablo Fold and Thrust Belt, eastern San Francisco Bay Region, northern California: Tech. Rep. National Earthquake Hazards Reduction Program Award 98-HQ-GR-1006, U.S. Geological Survey, 7 p.

Schwartz, D.P. and Coppersmith, K.J., 1984, Fault behavior and characteristic earthquakes--examples from the Wasatch and San Andreas fault zones: Journal of Geophysical Research, v. 89, p. 5681-5698.

Shaw, B.E., 2009, Constant stress drop from small to great earthquakes in magnitude-area scaling: Bulletin of the Seismological Society of America, v. 99, p. 871.

Sims, J.D., Fox, K.F., Jr., Bartow, J.A., and Helley, E.J., 1973, Preliminary geologic map of Solano County and parts of Napa, Contra Costa, Marin, and Yolo counties, California: U.S. Geological Survey Miscellaneous Field Investigations Map MF-484, 5 shts.

Sowers, J.M., Noller, J.S., and Unruh, J.R., 1992, Quaternary deformation and blind-thrust faulting on the east flank of the Diablo Range near Tracy, California, *in* Borchardt, Glenn, and others (eds.), Proceedings of the Second Conference on Earthquake Hazards in the Eastern San Francisco Bay Area: California Department of Conservation, Division of Mines and Geology Special Publication 113, p. 377-383.

Sterling, R. 1992. Intersection of the Stockton and Vernalis faults, southern Sacramento Valley, California. In Structural Geology of the Sacramento Basin, V.B. Chervon and W.F. Edmondson, eds., pp. 143-151. American Association of Petroleum Geologists Miscellaneous Publication 41, Pacific Section.

Stover, C.W. and Coffman, J.L., 1993, Seismicity of the United States, 1568-1989 (Revised):U.S. Geological Survey Professional Paper 1527, 415 p.

Thrust Fault Subgroup, 1999, Report on Thrust Fault Sources to the Working Group on Northern California Earthquake Probabilities: compiled and submitted by J.R. Unruh, William Lettis & Associates, Inc., 21 p.

Toppozada, T.R. and Borchardt, G., 1998. Re-Evaluation of the 1836 "Hayward Fault" and 1838 San Andreas Fault Earthquakes, Bulletin of the Seismological Society of America, v. 88, P. 140-159.

Toppozada, T.R., Real, C., and Parke, D.L. 1981. Preparation of Isoseismial Maps and Summaries of Reported Effects of the Pre-1900 California Earthquakes, California Division of Mines and Geology Open-File Report 81-11, 181 P.

Unruh, J.R. and Hector, S.T., 1999, Subsurface characterization of the Potrero-Ryer Island thrust system, western Sacramento-San Joaquin Delta, northern California, William Lettis and Associates, Inc., Final Technical Report, U.S. Geological Survey, National Earthquake hazards Reduction Program Award No. 1434-HQ-96-GR-02724, 32 p.

Unruh, J.R. and Kelson, K.I., 2002, Critical evaluation of the northern termination of the Calaveras fault, eastern San Francisco Bay area, California, U.S. Geological Survey National Earthquake Hazard Reduction Program: Final Technical Report Award No. 00-HQ-GR-0082, 77 p.

Unruh, J.R., and Hitchcock, C.S., 2009, Characterization of Potential Seismic Sources in the Sacramento-San Joaquin Delta, California: Final Technical Report submitted to the U.S. Geological Survey National Earthquake Hazard Reduction Program, Award Number 08HQGR0055, 45 p.

Unruh, J.R., and Hitchcock, C.S., 2015, Detailed Mapping and Analysis of Fold Deformation Above the West Tracy Fault, Southern San Joaquin-Sacramento Delta, Northern California: Collaborative Research with Lettis Consultants International and InfraTerra: Final Technical Report submitted to the U.S. Geological Survey National Earthquake Hazards Reduction Program award number G14AP00069, 32 p. plus figures and plates

Unruh, J.R., and Sawyer, T.L., 1997, Assessment of blind seismogenic sources, Livermore Valley, eastern San Francisco Bay region: Final Technical Report, USGS NEHRP Award 1434-95-G-2611, 95 p.

URS Corporation/Jack R. Benjamin & Associates, 2008, Delta risk management strategy (DRMS), Phase 1 Draft 2, Topical Area Seismology: technical memorandum prepared for California Department of Water Resources.

Wakabayashi, J. and Sawyer, T.L., 1998a, Paleoseismic investigation of the Miller Creek fault, eastern San Francisco Bay area, California: Final Technical Report, U.S. Geological Survey National Earthquake Hazards Reduction Program Fiscal Year 1997, Award No. 1434-HQ-97-GR-03141.

Wakabayashi, J., and Sawyer, T.L., 1998b, Holocene (?) oblique slip along the Miller Creek fault, eastern San Francisco Bay Area, California: EOS, v. 79, p. F613.

Wakabayashi, J., Smith, D.L., and Hamilton, D.H., 1992, The Miller Creek fault and related structures: Neogene kinematics of a potentially active thrust system in the East Bay hills, California, *in* Borchardt, G., Chief Editor, Proceedings of the Second Conference on Earthquake

Hazards in the Eastern San Francisco Bay Area: California Division of Mines and Geology Special Publication 113. p. 345-354.

Wallace, R.E., 1990, The San Andreas Fault System, California: U.S. Geological Survey Professional Paper 1515, 283 p.

Weber-Band, J., 1998, Neotectonics of the Sacramento-San Joaquin Delta area, east-central Coast Ranges, California: unpublished Ph.D., University of California, Berkeley, 216 p.

Wells, D.L. and Coppersmith, K.J., 1994, New empirical relationships among magnitude, rupture length, rupture width, rupture area, and surface displacement: Bulletin of the Seismological Society of America, v. 84, p. 974-1002.

Wentworth, C.M., Williams, R.A., Jachens, R.C., Graymer, R.W., and Stephenson, W.J., 2010, The Quaternary Silver Creek Fault beneath the Santa Clara Valley, California: U.S. Geological Survey Open-File Report, 2010-1010, 50 p.

Wesnousky, S.G., 1986, Earthquakes, Quaternary faults, and seismic hazard in California: Journal of Geophysical Research, v. 91, p. 12,587-12,631.

WGCEP (Working Group on California Earthquake Probabilities), 2003, Earthquake probabilities in the San Francisco Bay region: 2002–2031: U.S. Geological Survey. Open-File Report 03-214.

WGCEP (Working Group for California Earthquake Probabilities), 2008, The uniform earthquake rupture forecast, version 2 (UCERF2): U.S. Geological Survey Open-File Report 2007-1437.

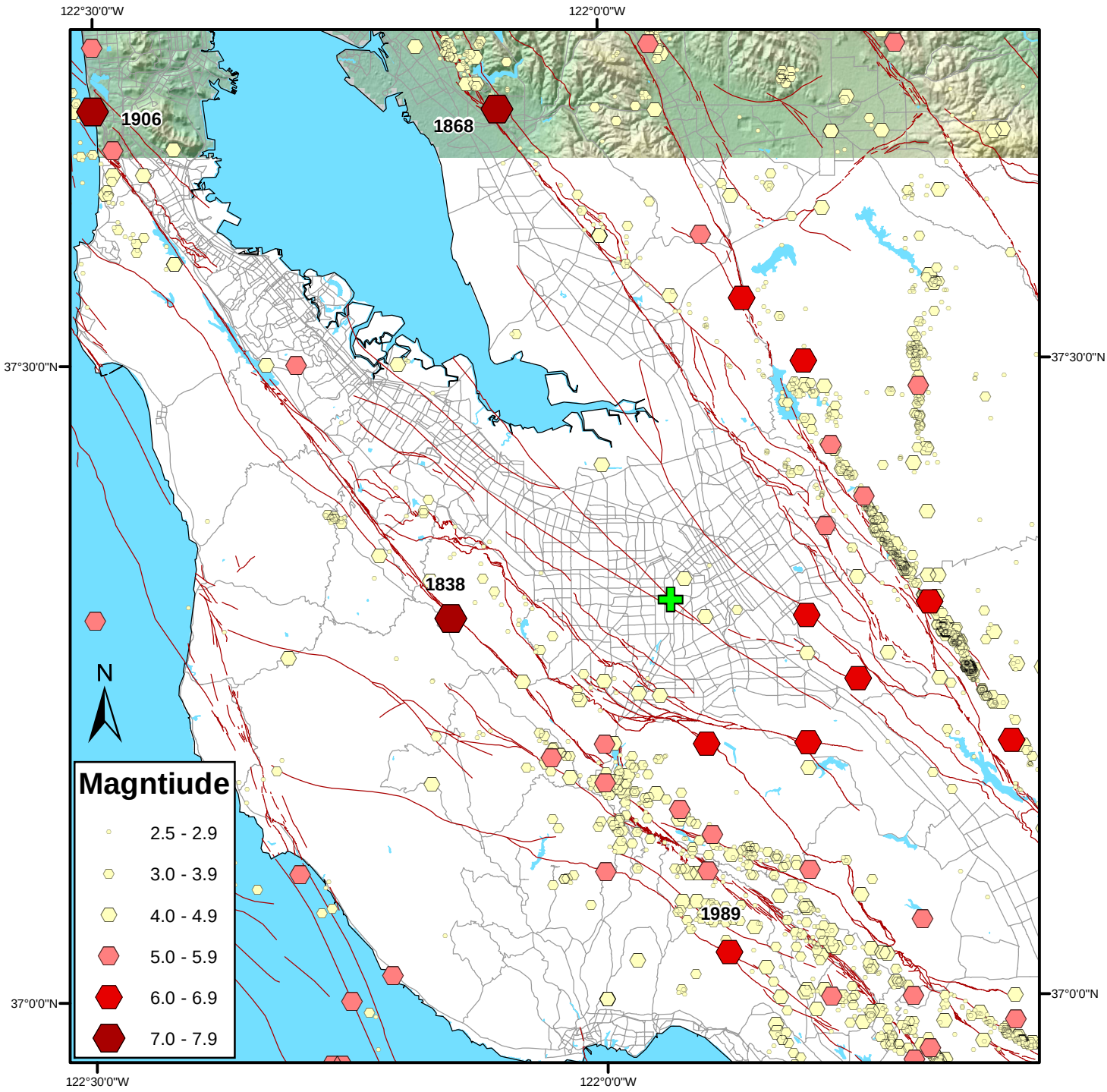
WGNCEP (Working Group On Northern California Earthquake Potential), 1996, Database of potential sources for earthquakes larger than magnitude 6 in Northern California: U.S. Geological Survey Open-File Report 96-705.

William Lettis and Associates, Inc. (WLA), 2009, Characterization of Seismotectonic Setting and Seismic Sources, EBMUD Upper San Leandro Dam, report prepared for URS Corporation, Oakland, CA.

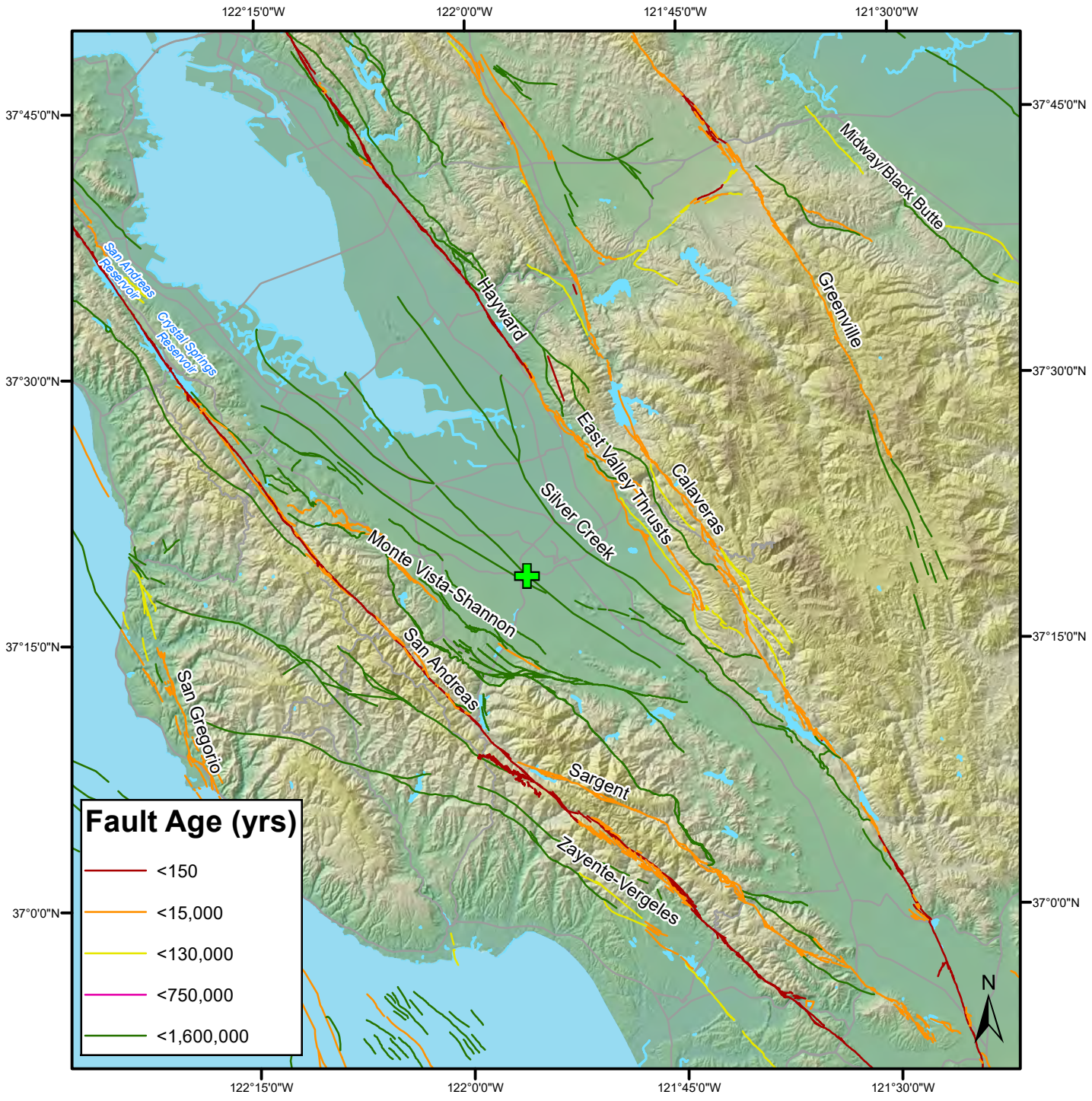
Woodward Clyde Consultants, 1993, Geologic/Seismic Hazards Evaluation, Santa Clara Valley Medical Center Expansion, consultant report prepared for Anshen and Allen, Architects.

Youngs, R.R, Coppersmith, K.J., Taylor, C.L., Power, M.S., Di Silvestro, L.A., Angell, M.L., Hall, N.T., Wesling, J.R., and Mualchin, L.,1992, A comprehensive seismic hazard model for the San Francisco Bay Region, *in* Proceedings of the Second Conference on Earthquake Hazards in the Eastern San Francisco Bay Area, Borchardt, G., Hirschfeld, S.E., Lienkaemper, J.J., McClellan, P., Williams, P.L. and Wong, I.G. (eds.), California Division of Mines and Geology Special Publication 113, p. 431-441.

Youngs, R.R. and Coppersmith, K.J., 1985, Implications of fault slip rates and earthquake recurrence models to probabilistic seismic hazard estimates: Bulletin of the Seismological Society of America, v. 75, p. 939-964.



	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	HISTORICAL SEISMICITY OF THE SOUTHERN SAN FRANCISCO BAY AREA (1769-2019)	Figure 1

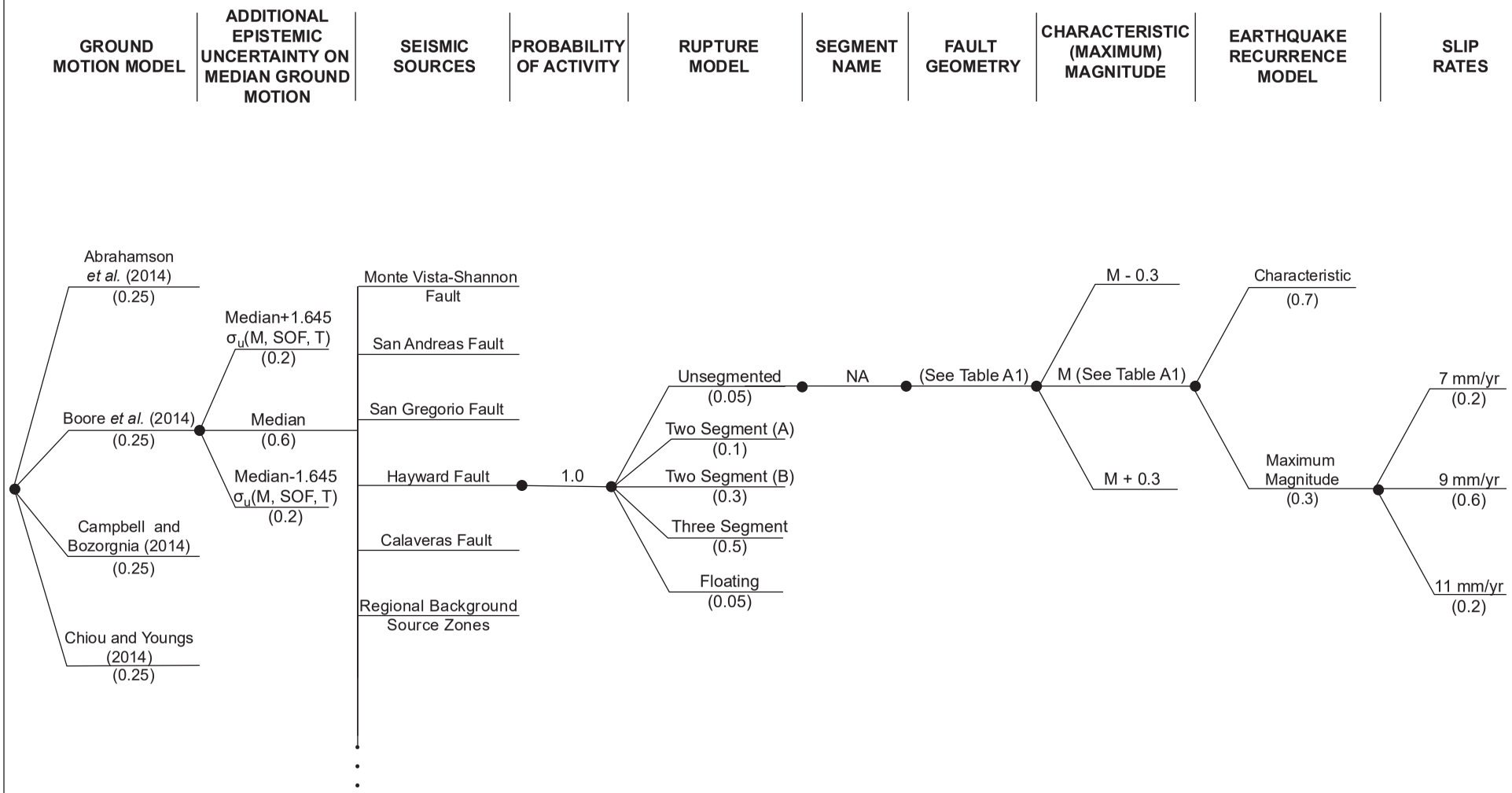


Santa Clara Valley Medical Center

Kilometers
0 10 20 40

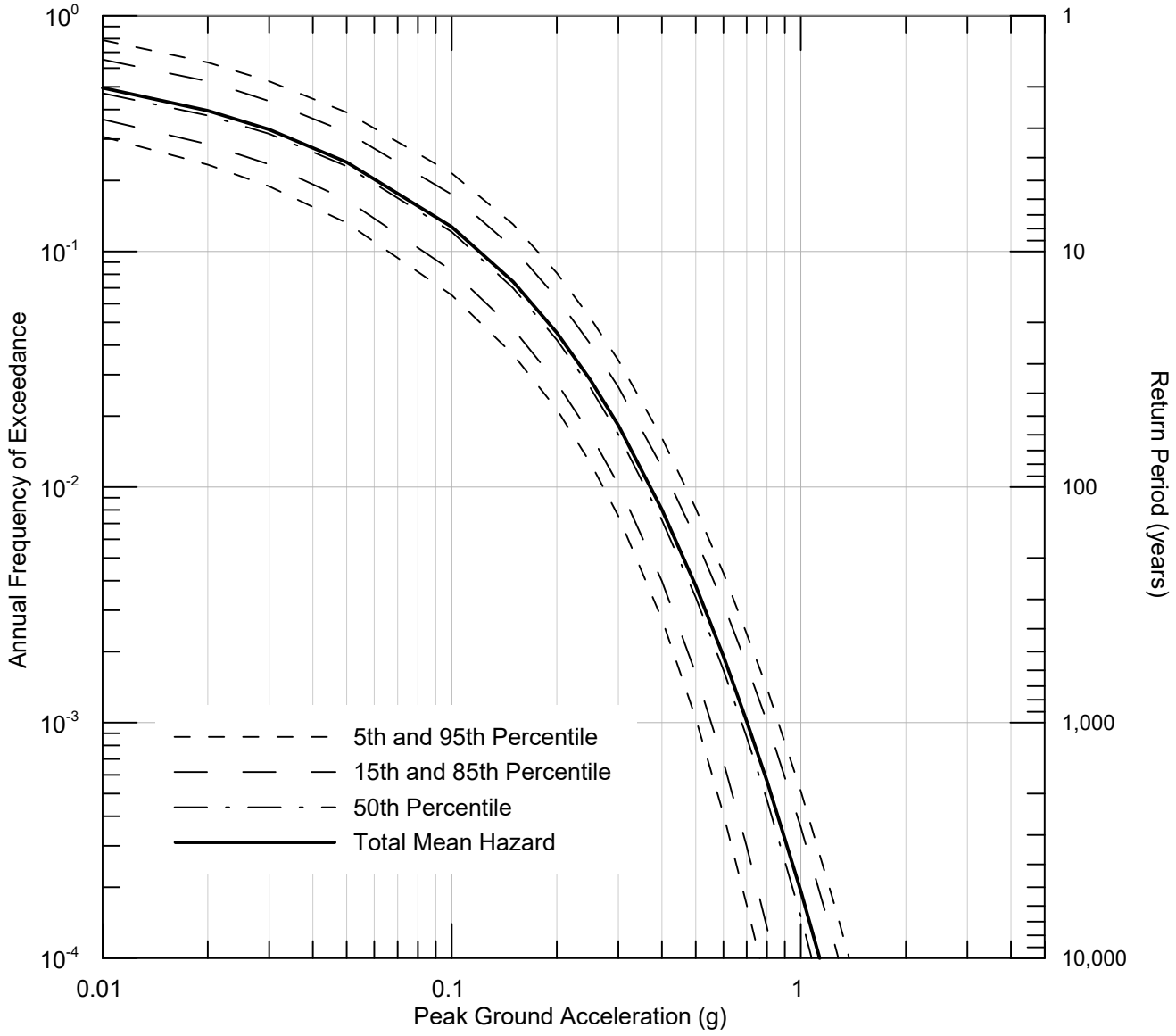
Miles
0 3 6 12 18 24

URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	ACTIVE FAULTS IN THE SITE REGION	Figure 2

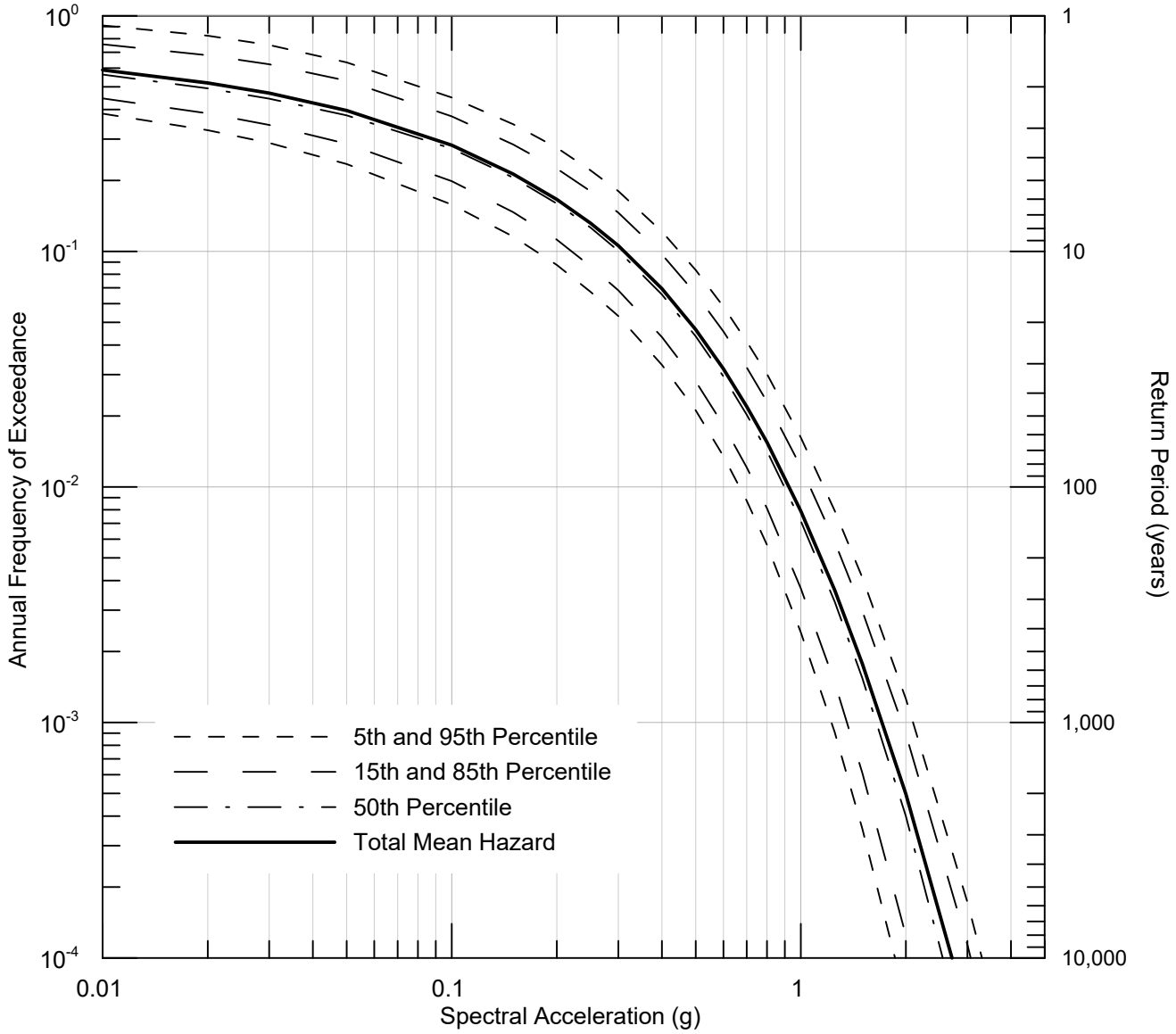


Note: Not all branches of the logic tree are illustrated here. All seismic sources, probability of activity, rupture model, segment names, fault geometries, maximum magnitudes and associated weights are provided on Table A1.

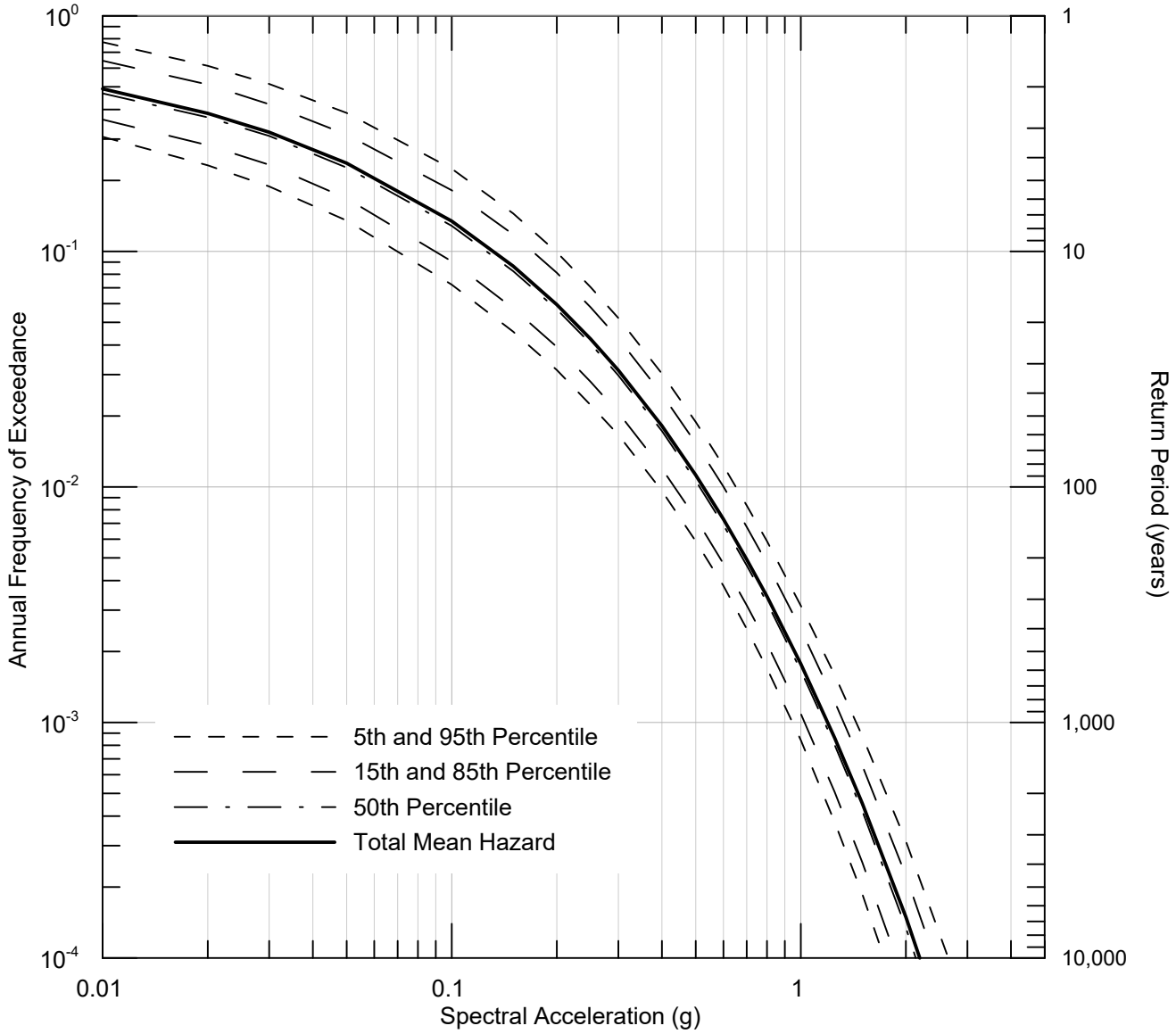
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	EXAMPLE PSHA LOGIC TREE	Figure 3



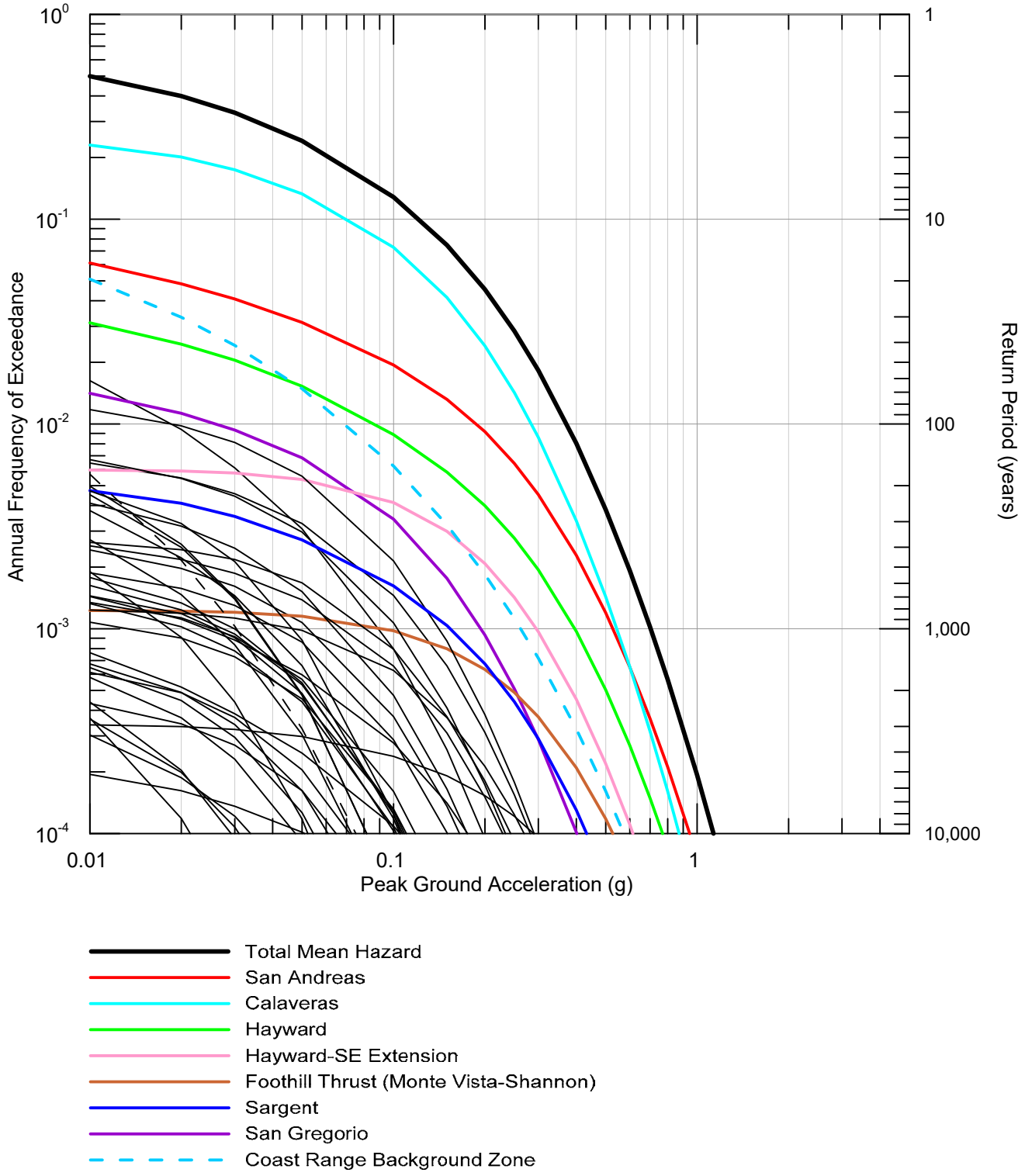
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SEISMIC HAZARD CURVES FOR PEAK HORIZONTAL ACCELERATION	Figure 4



URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SEISMIC HAZARD CURVES FOR 0.2 SEC HORIZONTAL SPECTRAL ACCELERATION	Figure 5

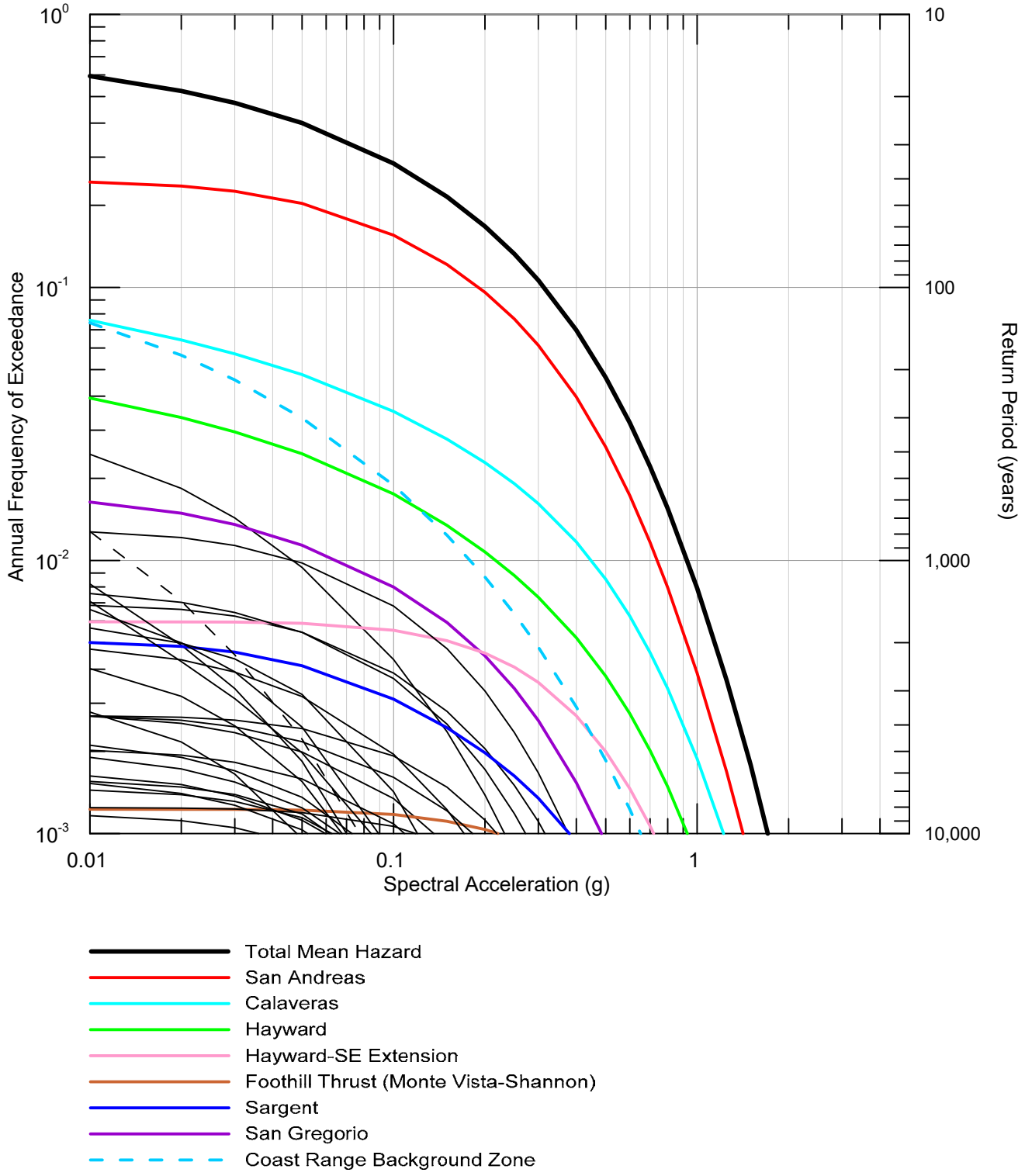


URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SEISMIC HAZARD CURVES FOR 1.0 SEC HORIZONTAL SPECTRAL ACCELERATION	Figure 6



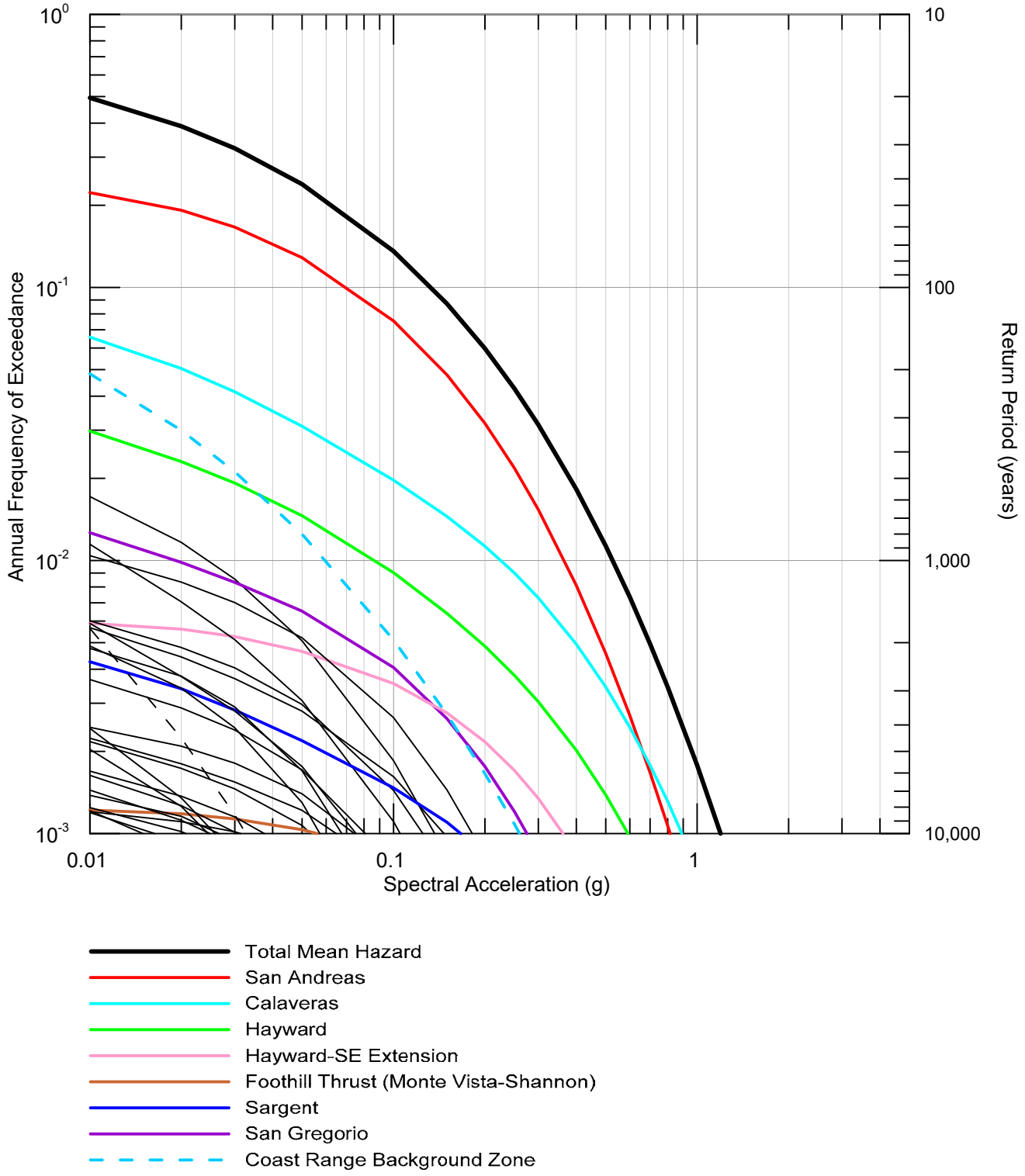
Other less significant sources shown are not listed.

URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SEISMIC SOURCE CONTRIBUTIONS TO MEAN PEAK HORIZONTAL ACCELERATION HAZARD	Figure 7



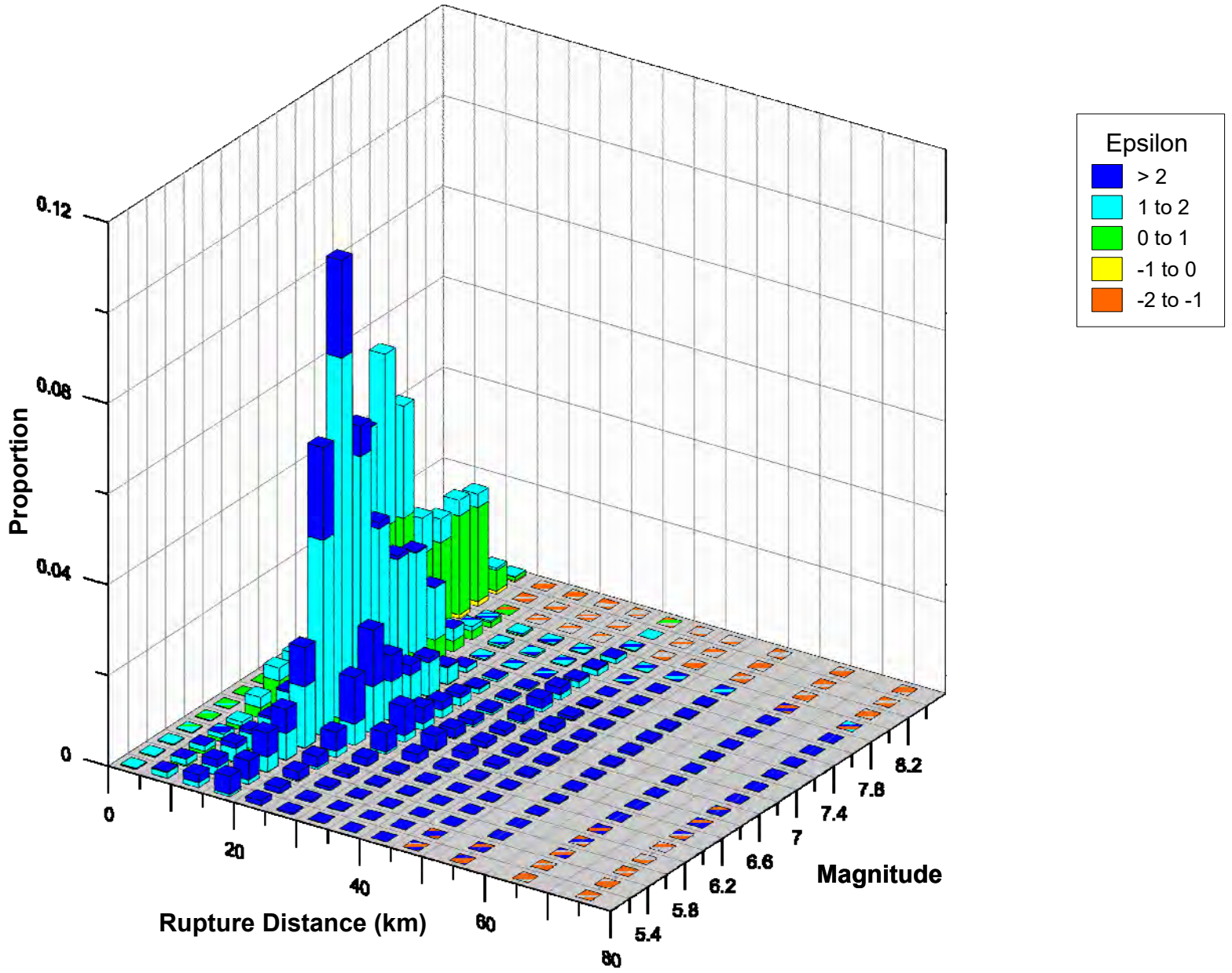
Other less significant sources shown are not listed.

URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SEISMIC SOURCE CONTRIBUTIONS TO MEAN 0.2 SEC HORIZONTAL SPECTRAL ACCELERATION HAZARD	Figure 8

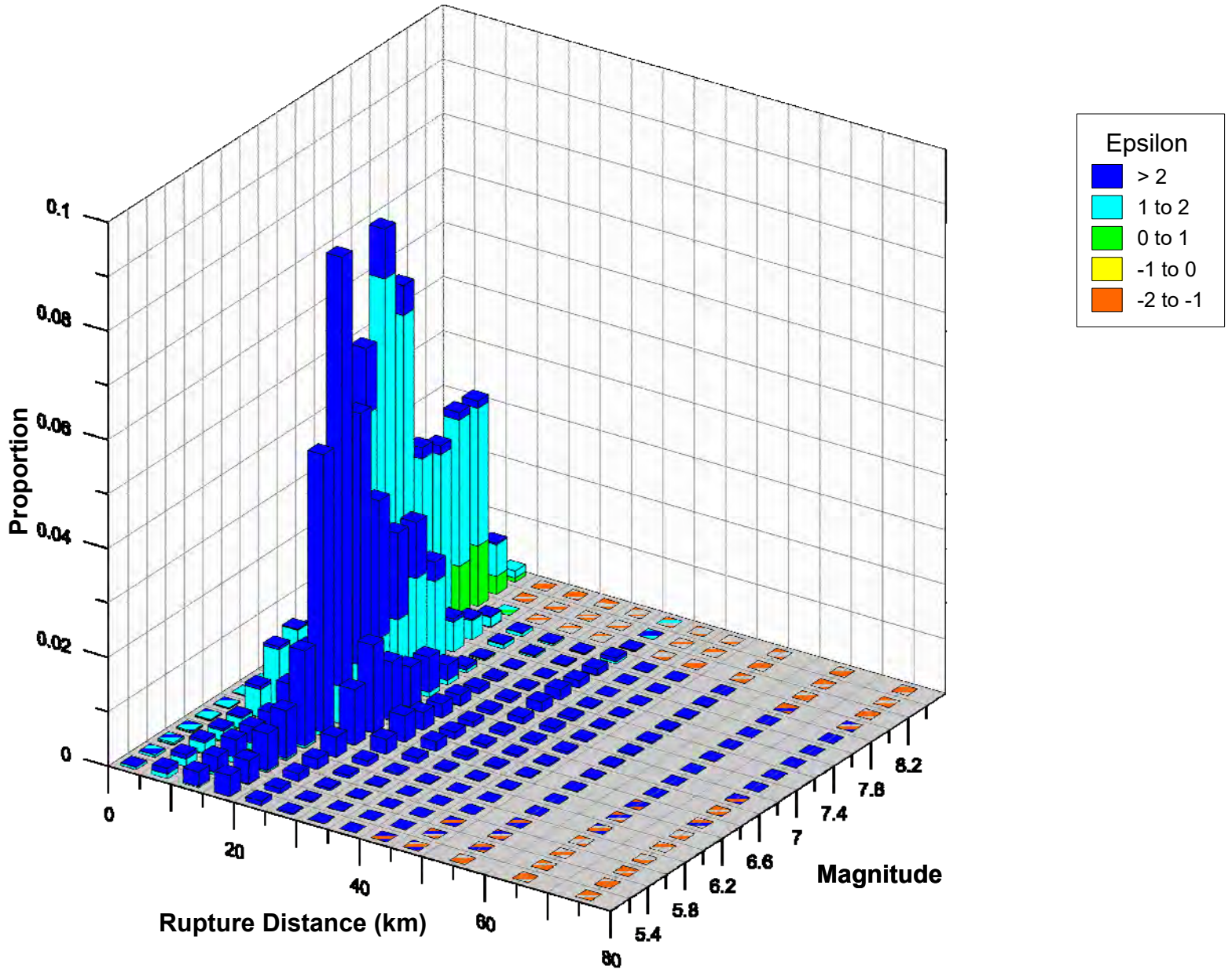


Other less significant sources shown are not listed.

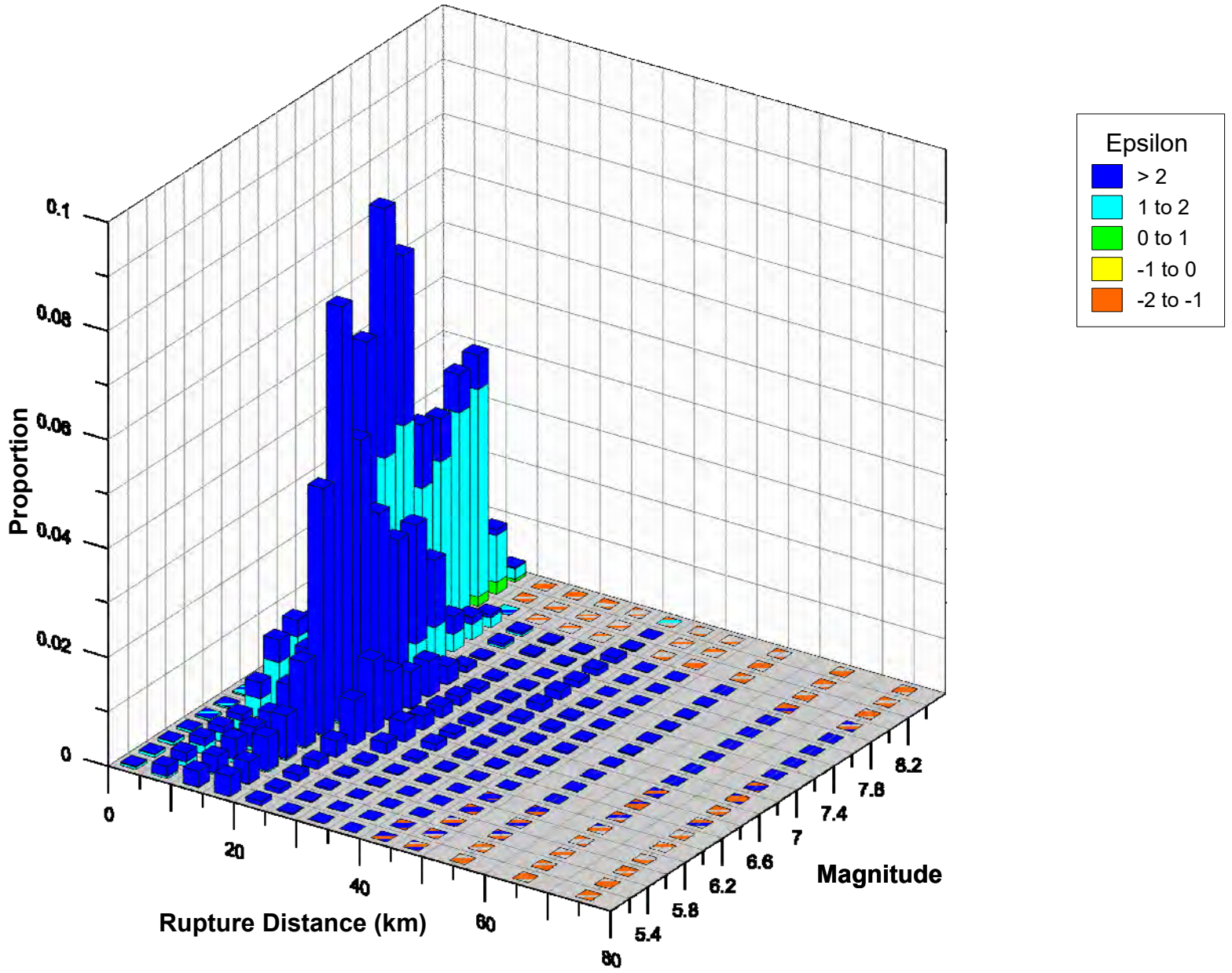
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SEISMIC SOURCE CONTRIBUTIONS TO MEAN 1.0 SEC HORIZONTAL SPECTRAL ACCELERATION HAZARD	Figure 9



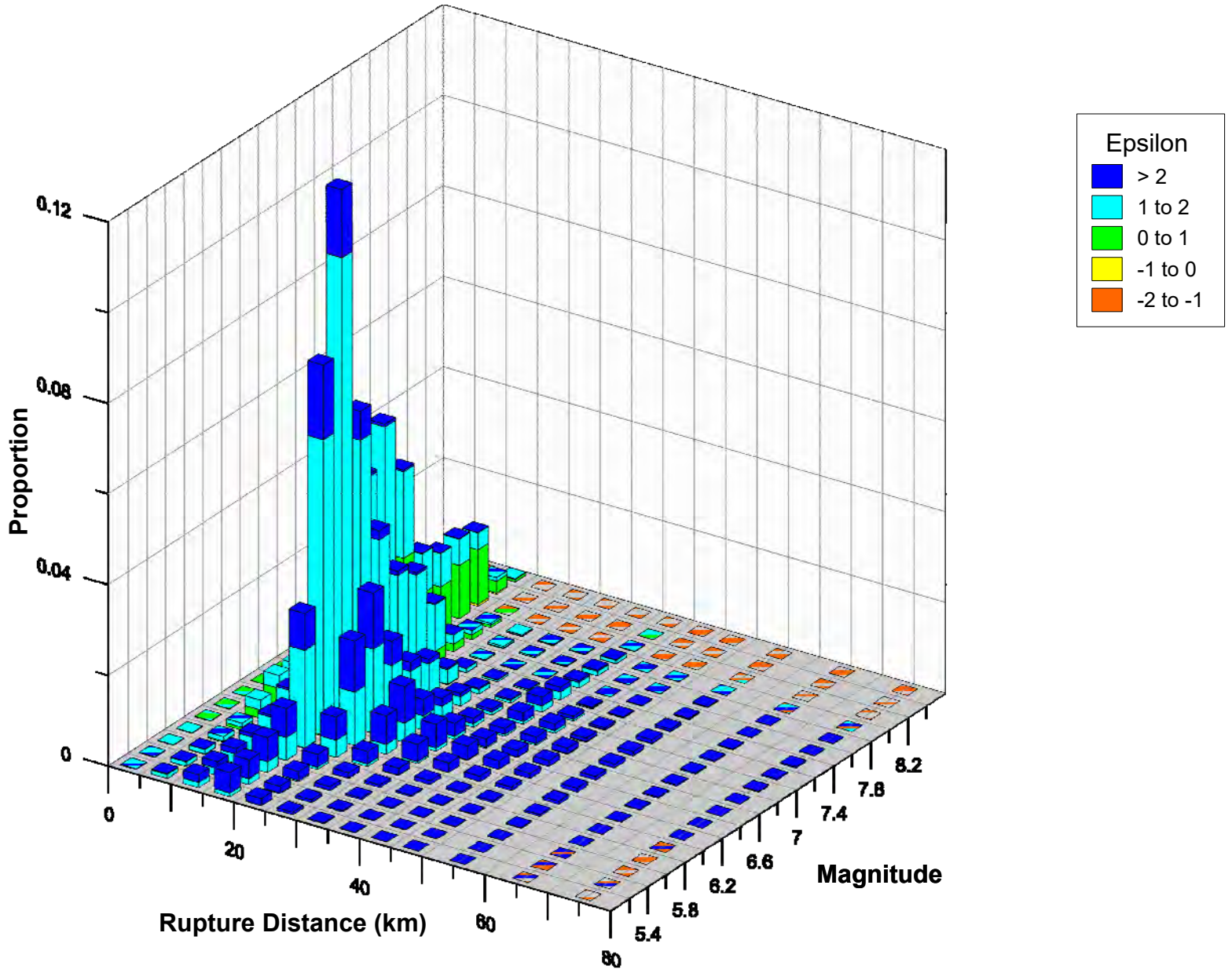
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	MAGNITUDE AND DISTANCE CONTRIBUTIONS TO THE MEAN PEAK HORIZONTAL ACCELERATION HAZARD AT 225-YEAR RETURN PERIOD	Figure 10



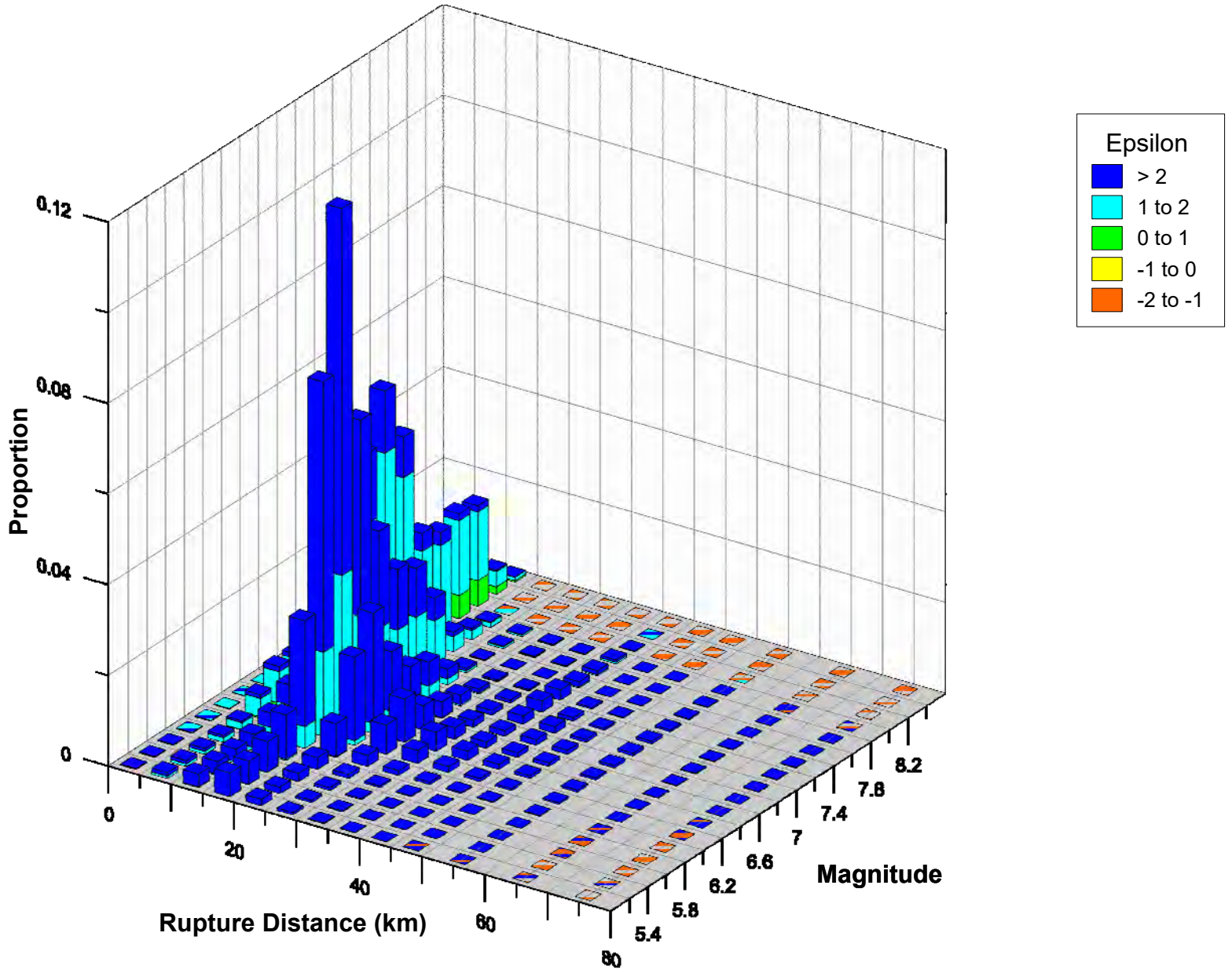
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	MAGNITUDE AND DISTANCE CONTRIBUTIONS TO THE MEAN PEAK HORIZONTAL ACCELERATION HAZARD AT 975-YEAR RETURN PERIOD	Figure 11



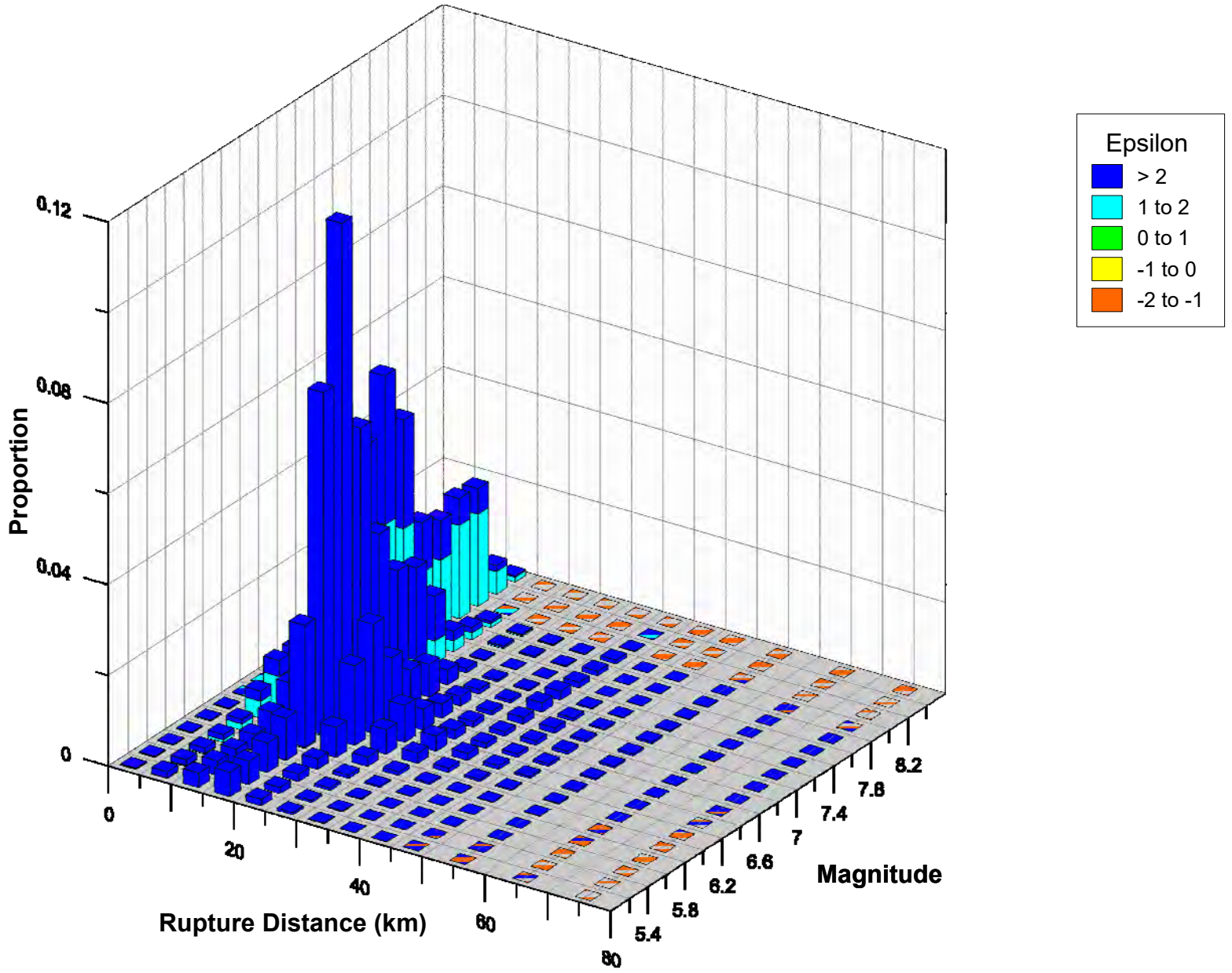
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	MAGNITUDE AND DISTANCE CONTRIBUTIONS TO THE MEAN PEAK HORIZONTAL ACCELERATION HAZARD AT 2,475-YEAR RETURN PERIOD	Figure 12



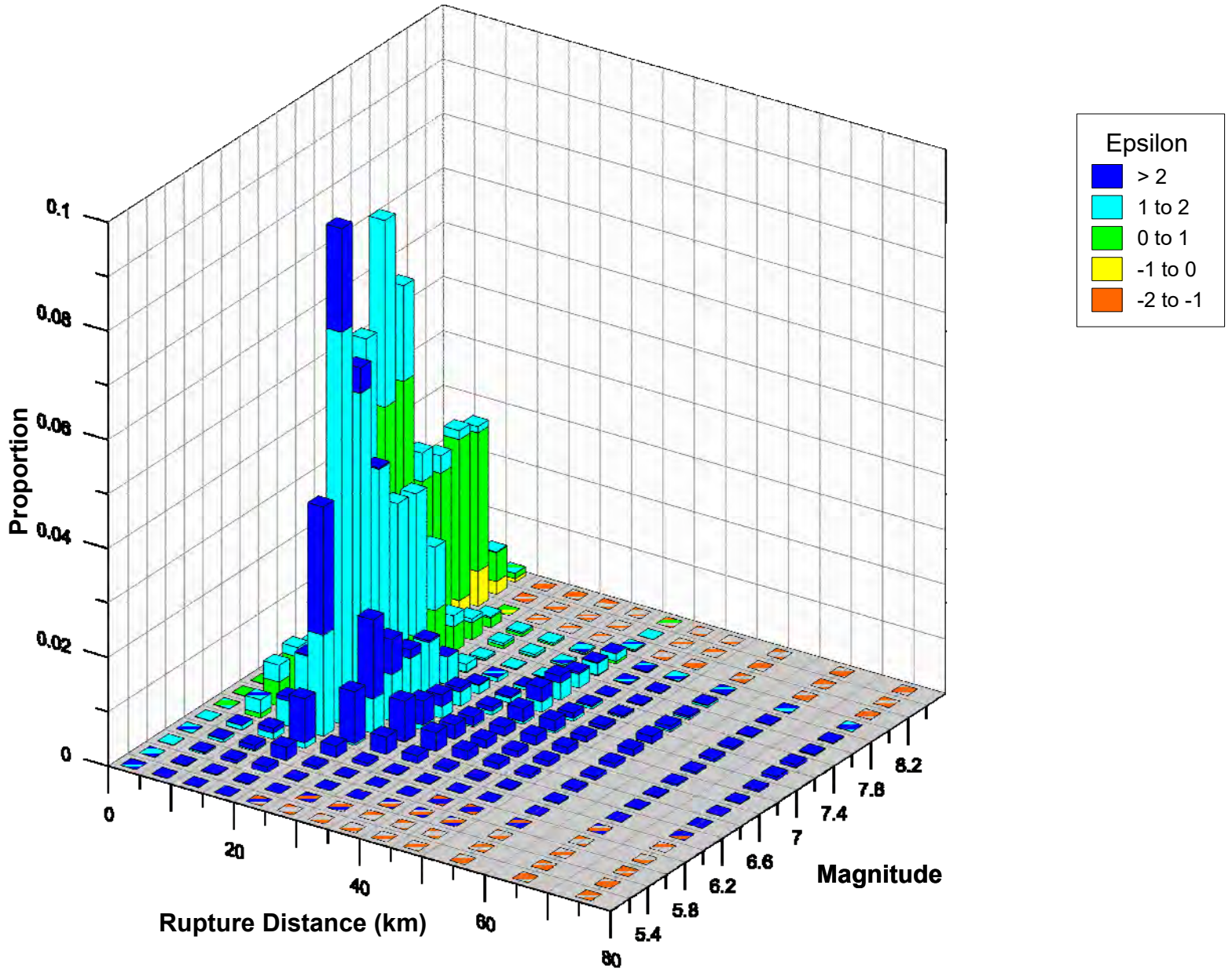
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	MAGNITUDE AND DISTANCE CONTRIBUTIONS TO THE MEAN 0.2 SEC HORIZONTAL SPECTRAL ACCELERATION HAZARD AT 225-YEAR RETURN PERIOD	Figure 13



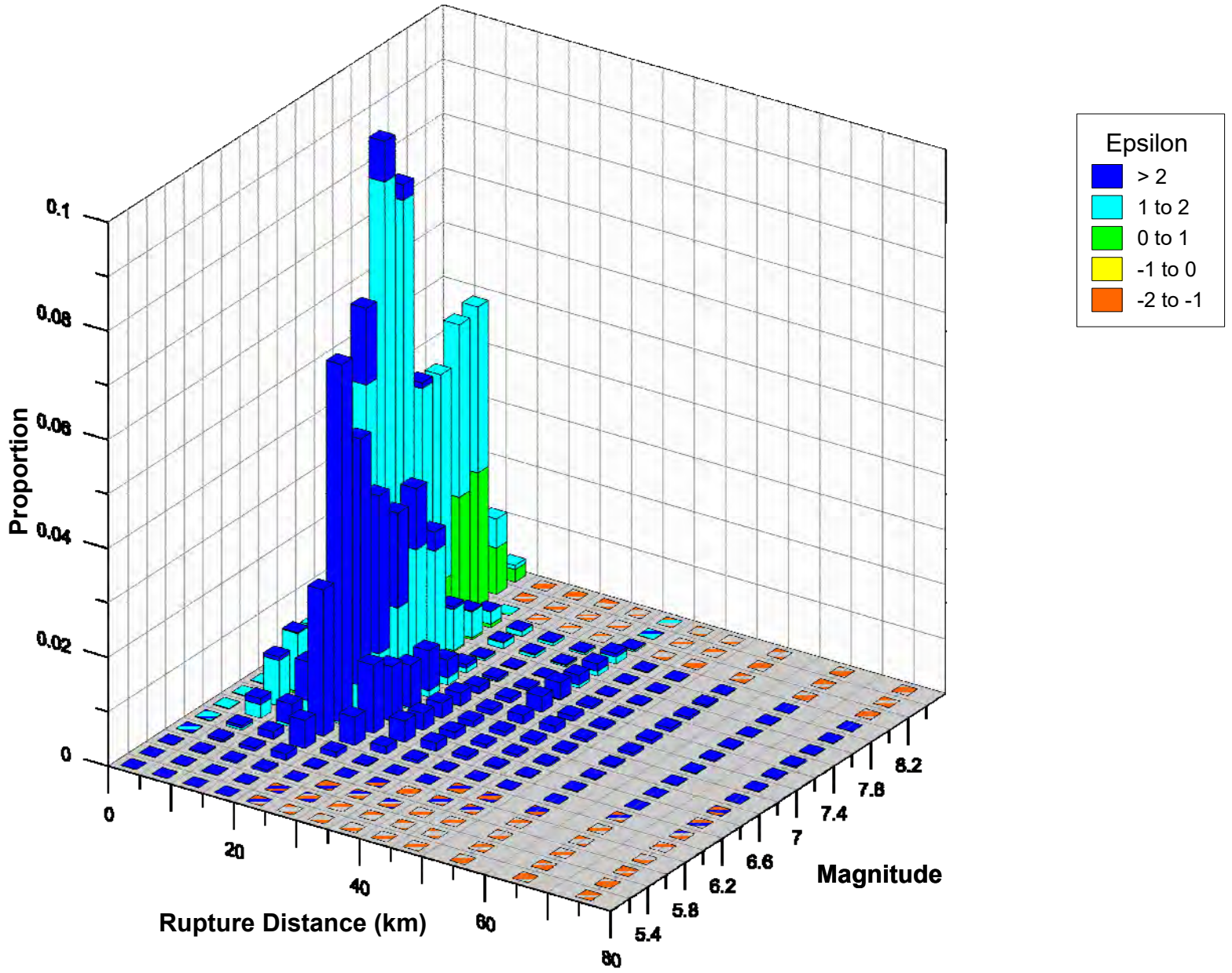
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	MAGNITUDE AND DISTANCE CONTRIBUTIONS TO THE MEAN 0.2 SEC HORIZONTAL SPECTRAL ACCELERATION HAZARD AT 975-YEAR RETURN PERIOD	Figure 14



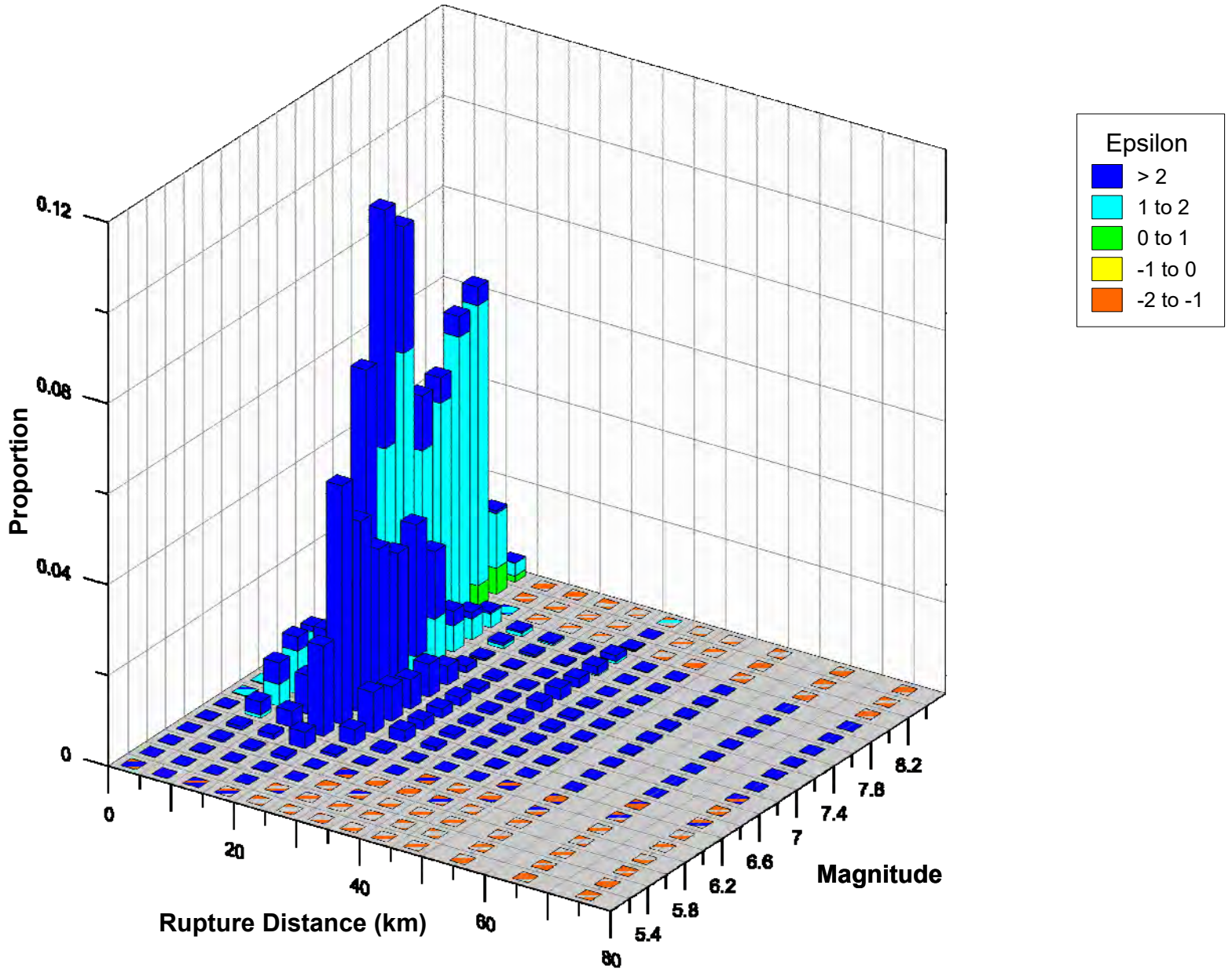
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	MAGNITUDE AND DISTANCE CONTRIBUTIONS TO THE MEAN 0.2 SEC HORIZONTAL SPECTRAL ACCELERATION HAZARD AT 2,475-YEAR RETURN PERIOD	Figure 15



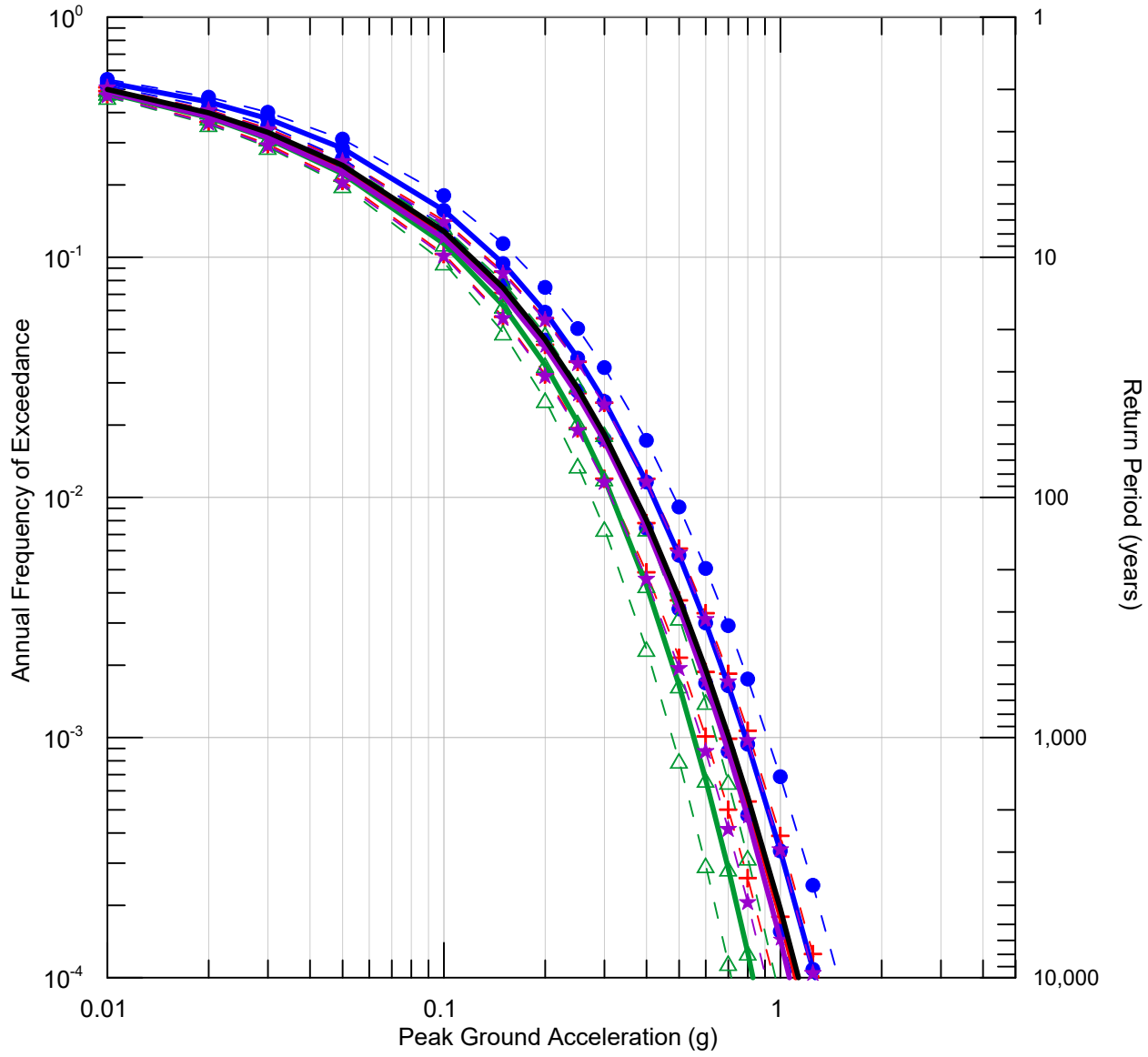
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	MAGNITUDE AND DISTANCE CONTRIBUTIONS TO THE MEAN 1.0 SEC HORIZONTAL SPECTRAL ACCELERATION HAZARD AT 225-YEAR RETURN PERIOD	Figure 16



URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	MAGNITUDE AND DISTANCE CONTRIBUTIONS TO THE MEAN 1.0 SEC HORIZONTAL SPECTRAL ACCELERATION HAZARD AT 975-YEAR RETURN PERIOD	Figure 17

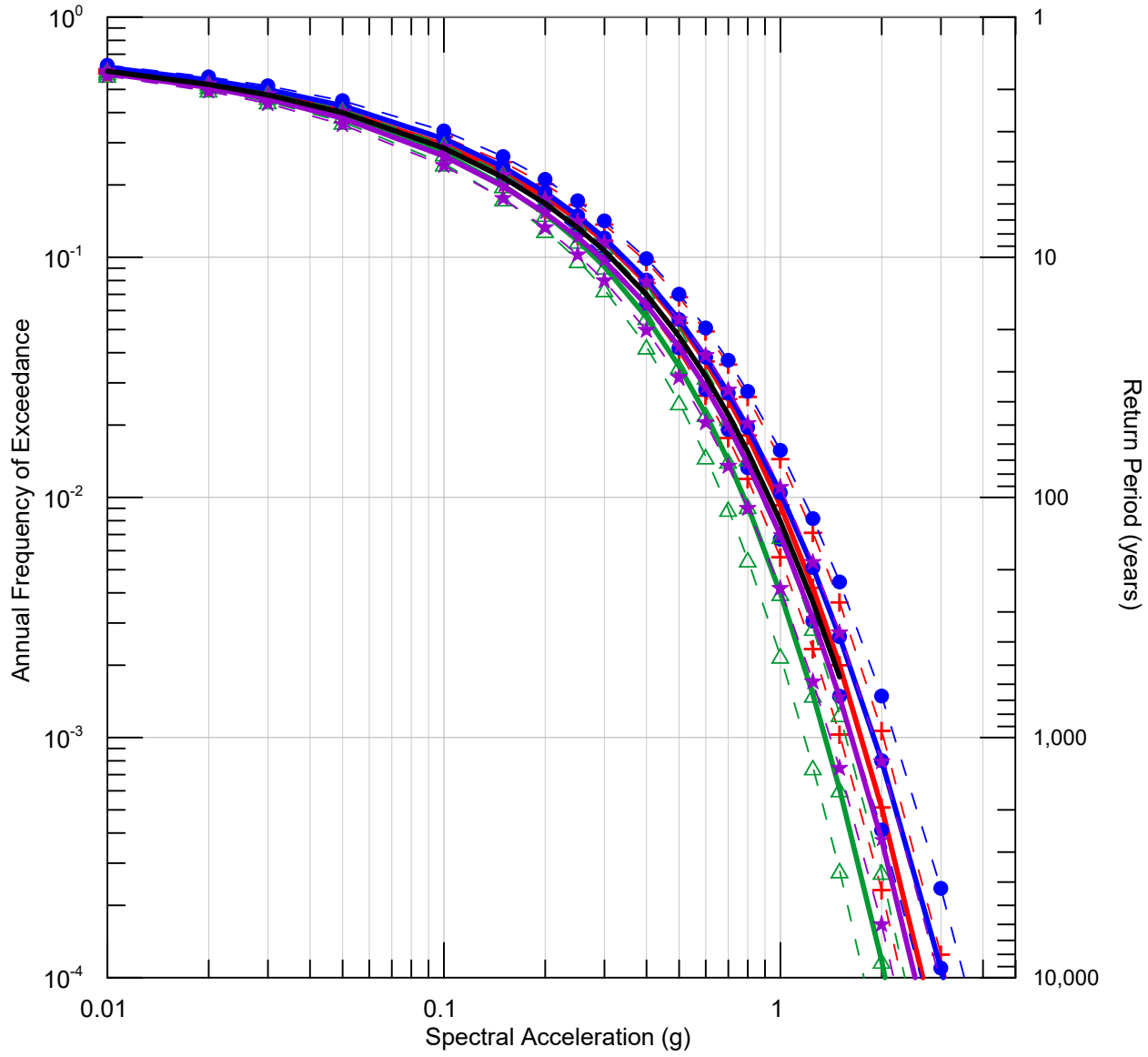


URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	MAGNITUDE AND DISTANCE CONTRIBUTIONS TO THE MEAN 1.0 SEC HORIZONTAL SPECTRAL ACCELERATION HAZARD AT 2,475-YEAR RETURN PERIOD	Figure 18



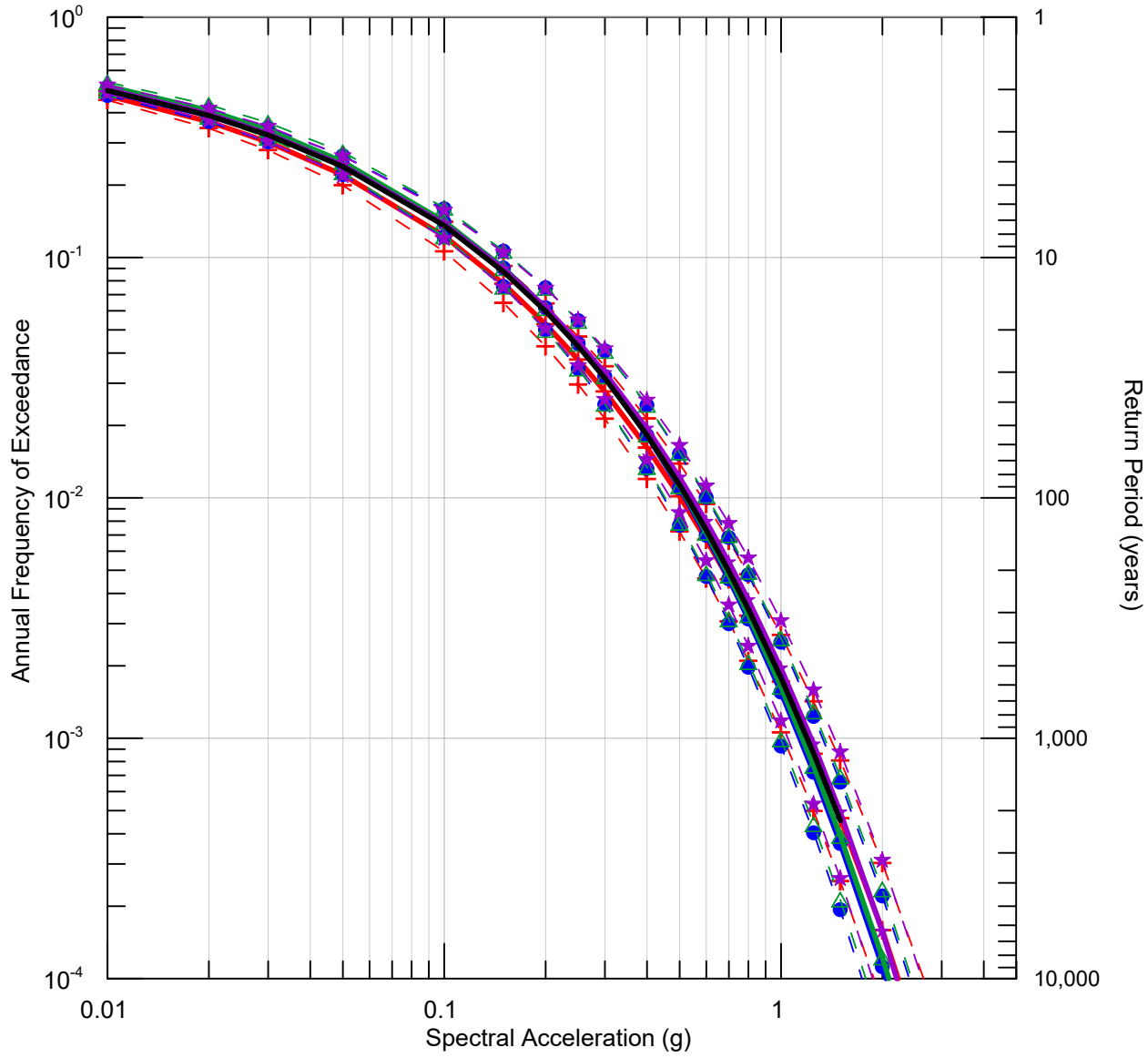
Dashed lines show +/- 1.65 sigma epistemic uncertainty for each GMPE

URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SENSITIVITY OF THE PEAK HORIZONTAL ACCELERATION HAZARD TO THE SELECTION OF GROUND MOTION PREDICTION MODELS	Figure 19



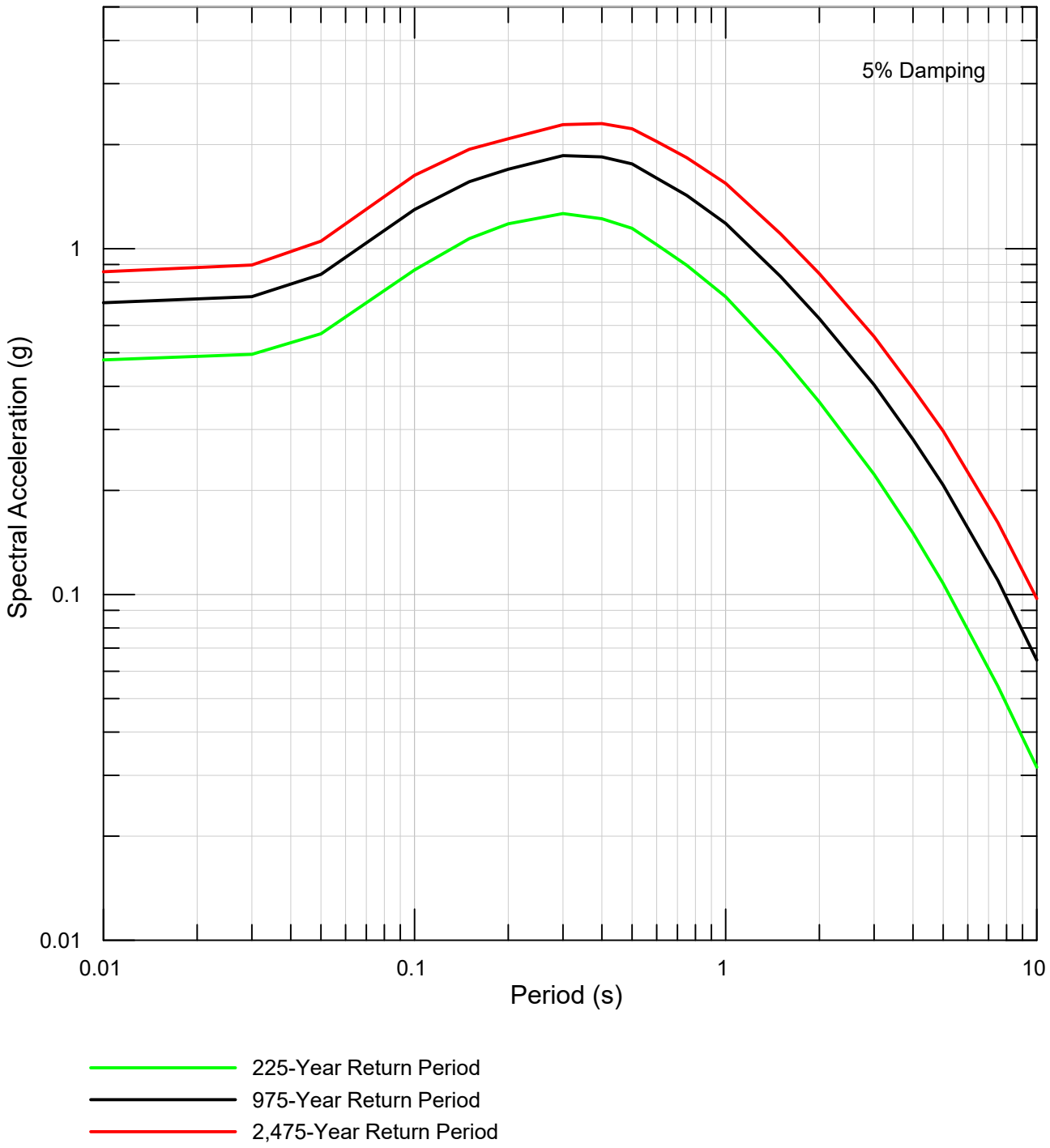
Dashed lines show +/- 1.65 sigma epistemic uncertainty for each GMPE

URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SENSITIVITY OF THE 0.2 SEC HORIZONTAL SPECTRAL ACCELERATION HAZARD TO THE SELECTION OF GROUND MOTION PREDICTION MODELS	Figure 20

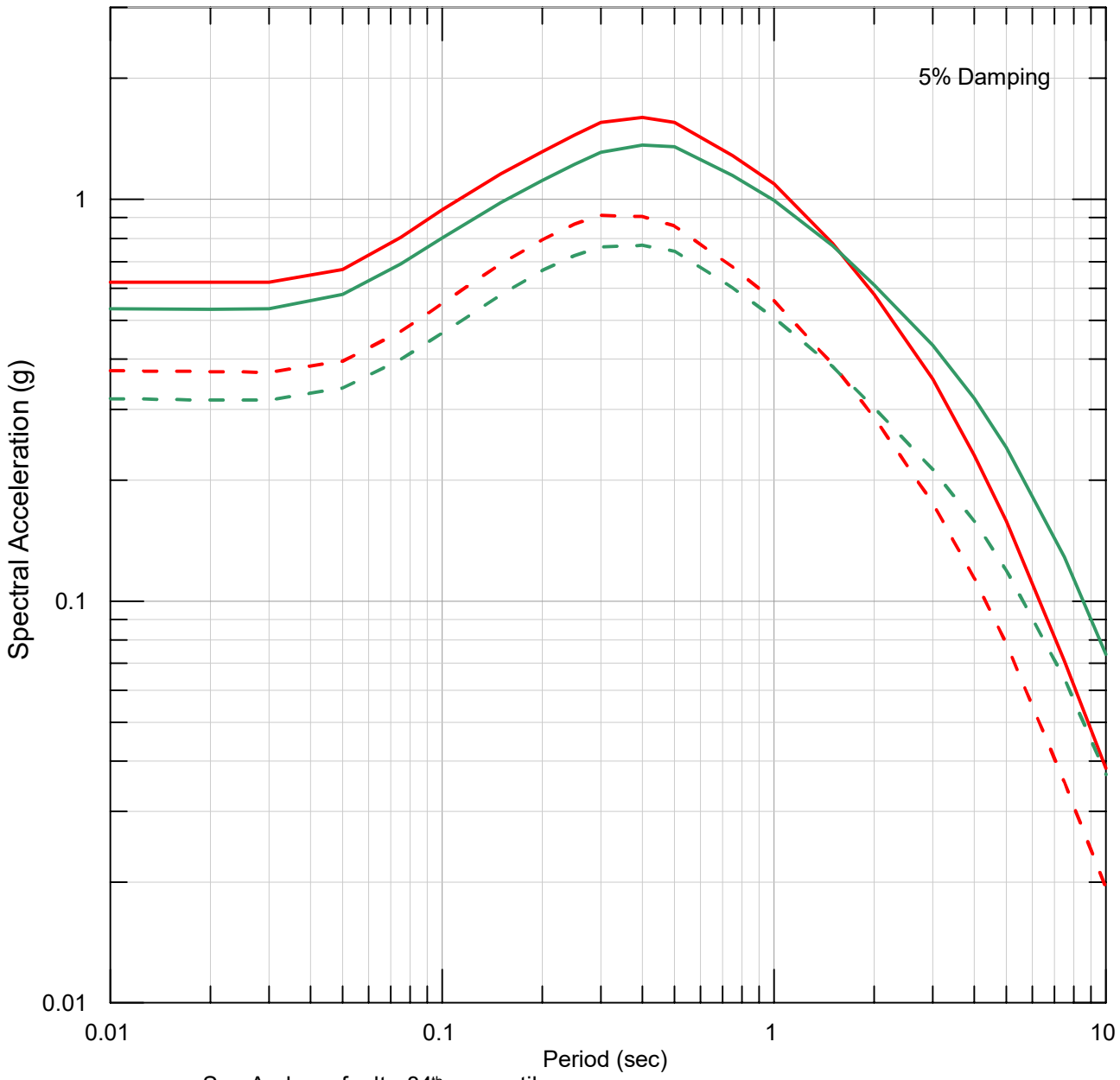


Dashed lines show +/- 1.65 sigma epistemic uncertainty for each GMPE

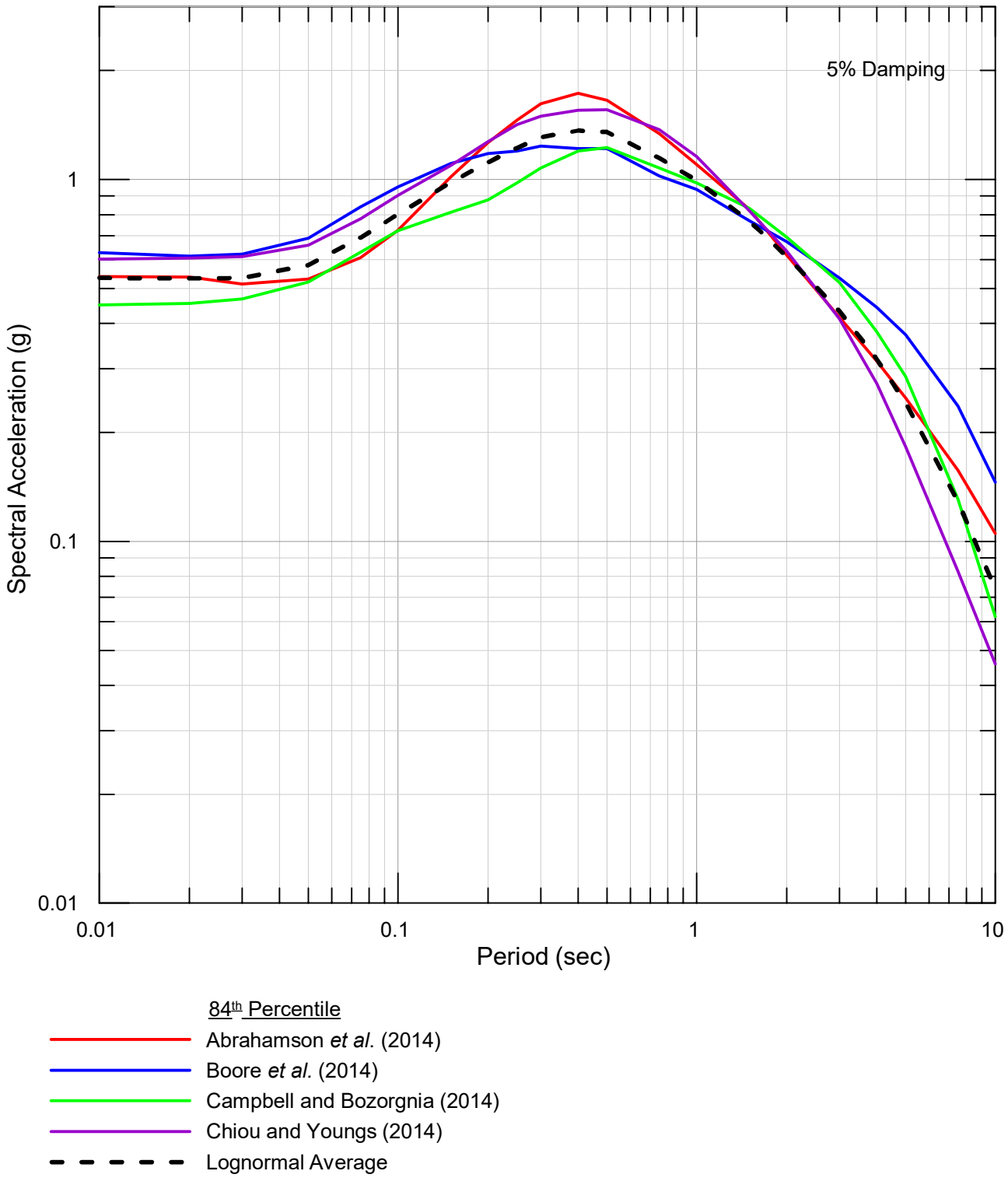
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SENSITIVITY OF THE 1.0 SEC HORIZONTAL SPECTRAL ACCELERATION HAZARD TO THE SELECTION OF GROUND MOTION PREDICTION MODELS	Figure 21



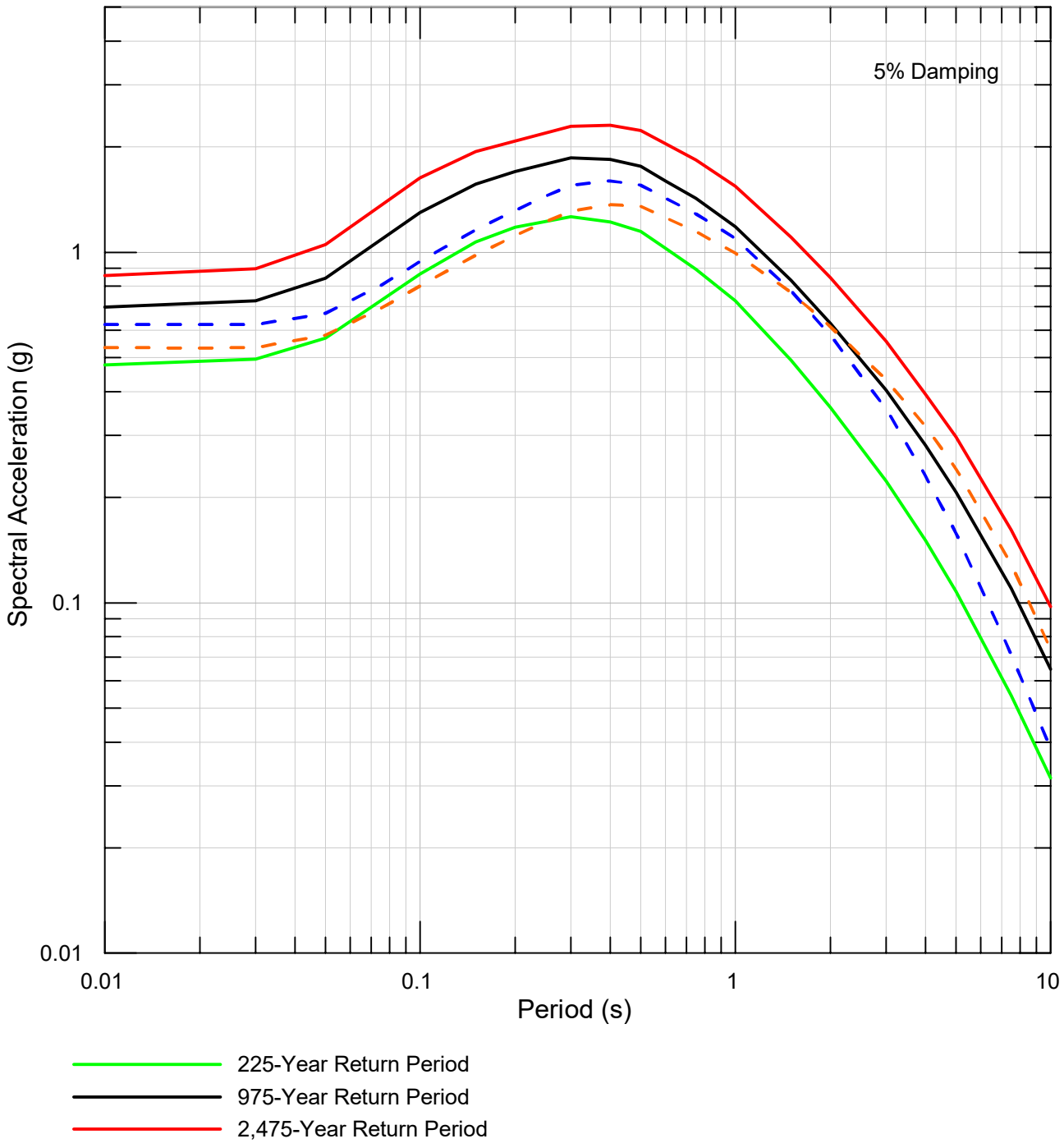
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	5%-DAMPED UNIFORM HAZARD SPECTRA	Figure 22



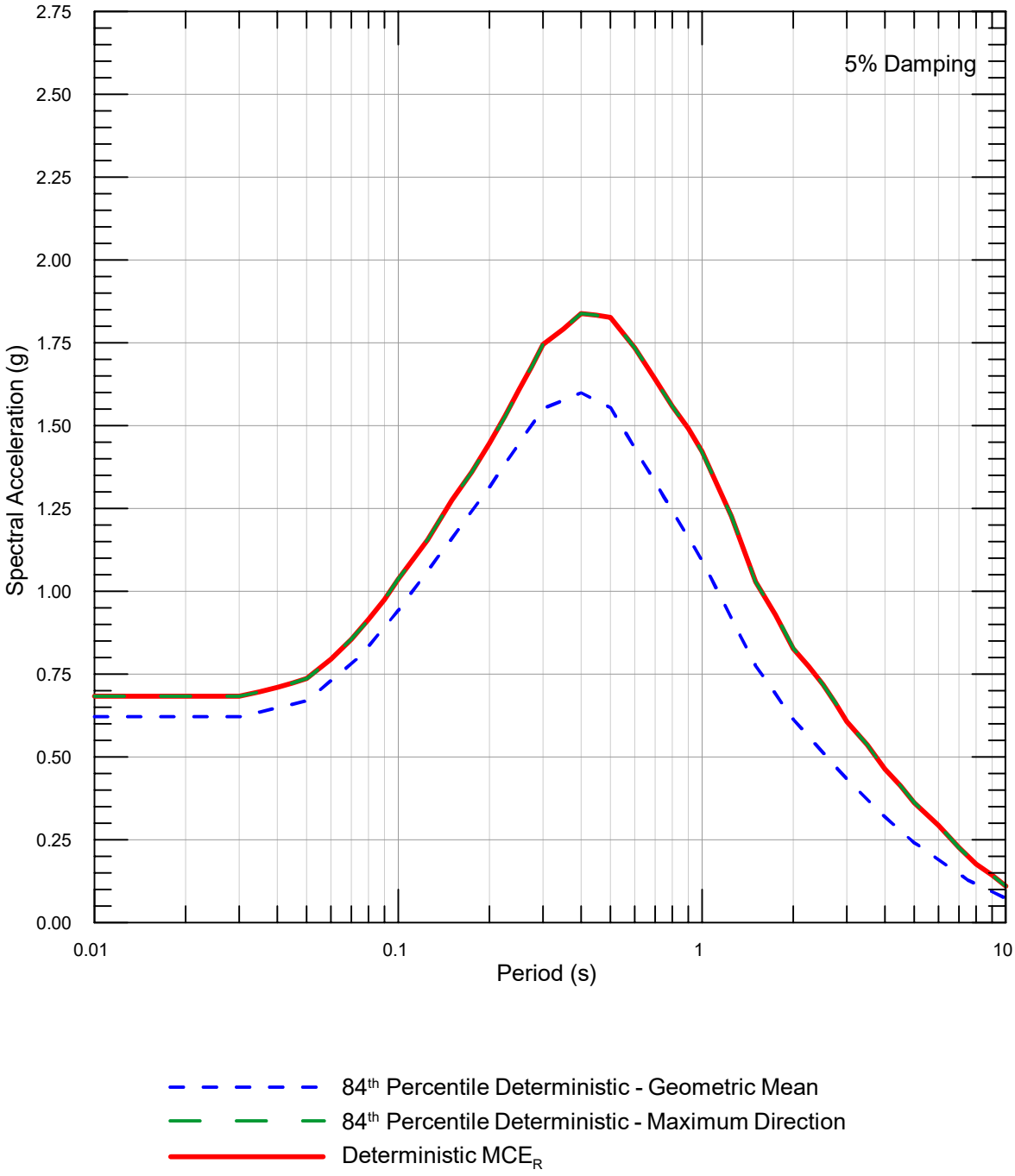
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	MEDIAN AND 84TH PERCENTILE DETERMINISTIC SPECTRA FOR THE SAN ANDREAS FAULT	Figure 23



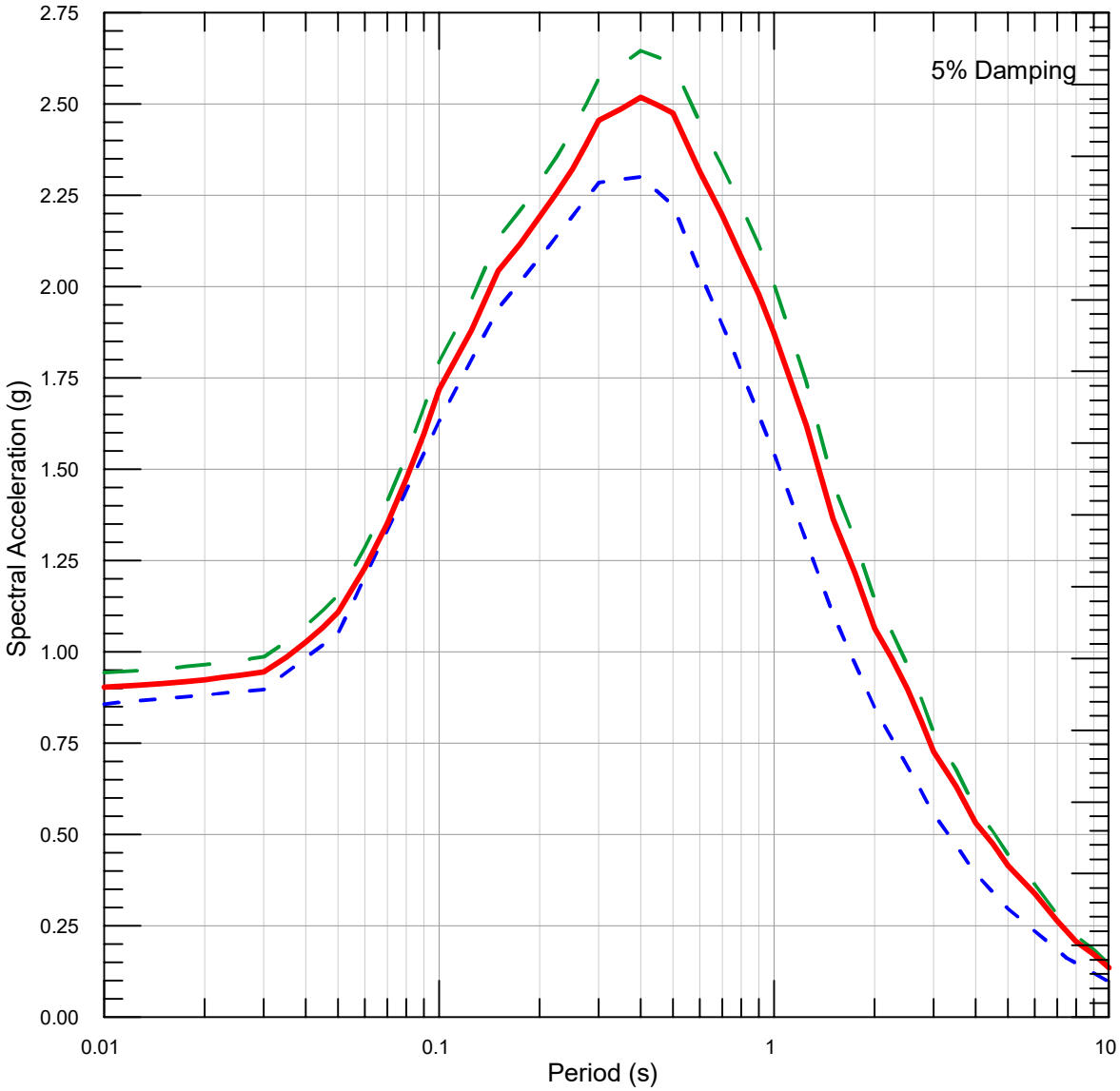
URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SENSITIVITY OF 84TH PERCENTILE DETERMINISTIC SEISMIC HAZARD SPECTRA TO GROUND MOTION MODELS FOR THE SAN ANDREAS FAULT	Figure 24



URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	COMPARISON OF 5%-DAMPED UHS AND DETERMINSITIC SPECTRA	Figure 25

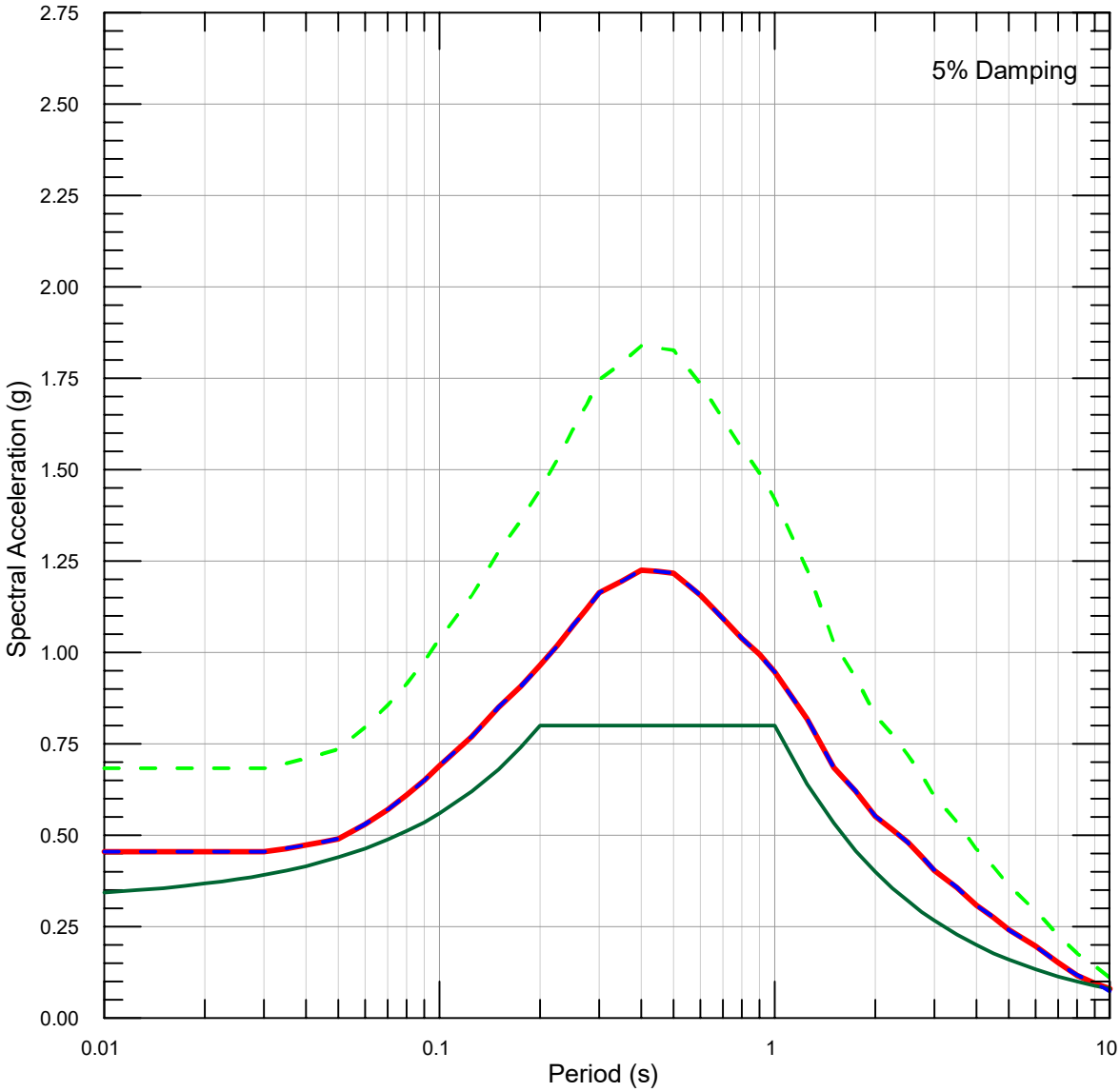


URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	COMPUTATION OF SITE-SPECIFIC DETERMINISTIC MCE SPECTRUM	Figure 26

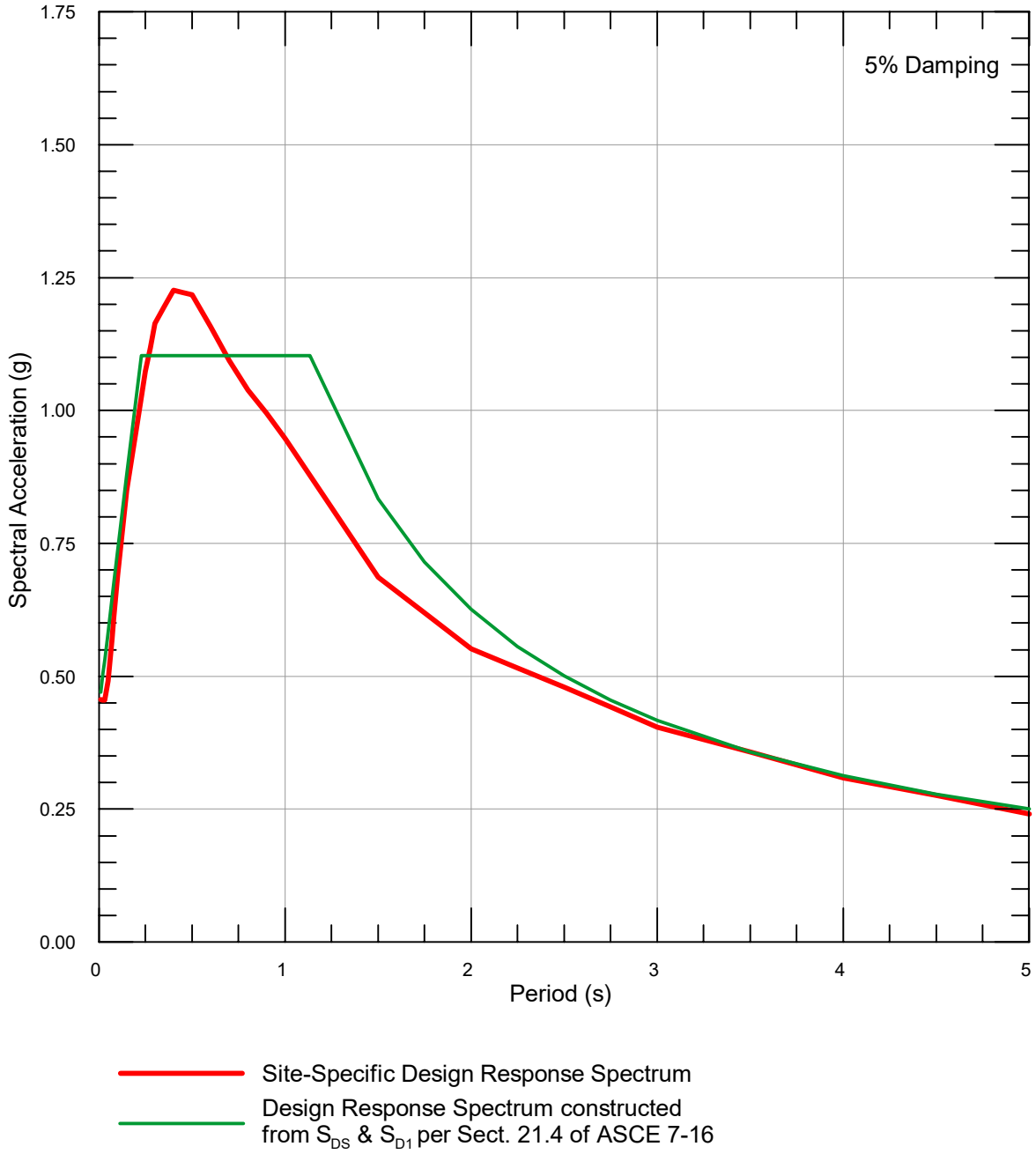


Notes:
Maximum direction factors from NEHRP 2009 Table C21.2-1
Risk coefficients C_{RS} = 0.958, C_{R1} = 0.932 from USGS Website

URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	COMPUTATION OF SITE-SPECIFIC PROBABILISTIC MCE$_R$ SPECTRUM	Figure 27



URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SITE-SPECIFIC DESIGN RESPONSE SPECTRUM	Figure 28



URS	Project No. 60608731 Santa Clara Valley Medical Center, San Jose, CA	SITE-SPECIFIC DESIGN RESPONSE SPECTRUM AND DESIGN RESPONSE SPECTRUM PER SECTION 21.4 OF ASCE 7-16	Figure 29

.

Table A1. Source Parameters for Faults Included in the PSHA

Fault Name	Probability of Activity[1]	Rupture Scenario[2]	Segment Name	Closest Distance[3]	Rupture Length[3]	Depth[4]	Dip[5]	Direction of Dip[6]	Sense of Slip[7]	Magnitude[8]	Slip Rate[9]	Notes
San Andreas (Northern and Central)	1.0	Unsegmented (0.5)	1906	14.8	464	13 ± 3	90	N/A	SS	7.9	24 ± 3	Characterization based on WGCEP (2003; 2008) and Field et al. (2013). Unsegmented rupture scenario is a repeat of the 1906 **M** 7.9 San Francisco earthquake.
		Two Segments (0.15)	Offshore + North Coast	91.4	301	11 ± 2	90	N/A	SS	7.7	24 ± 3	
			Peninsula + Santa Cruz Mountains	14.8	163	13 ± 2	90	N/A	SS	7.5	17 ± 4	
		Three Segments (0.15)	Offshore + North Coast	91.4	301	11 ± 2	90	N/A	SS	7.7	24 ± 3	
			Peninsula	14.8	100	13 ± 2	90	N/A	SS	7.3	17 ± 4	
			Santa Cruz Mountains	16.5	63	15 ± 2	90	N/A	SS	7.1	17 ± 4	
		Floating Earthquake (0.2)	N/A	14.8	N/A	13 ± 3	90	N/A	SS	6.9	24 ± 3	
Calaveras	1.0	Unsegmented (0.05)	Northern + Central + Southern Calaveras+Paicines	16.7	180	12 ± 2	90	N/A	SS	7.4	4 (0.2) 6 (0.4) 15 (0.3) 20 (0.1)	Characterization of WGCEP (2003) modified by recent paleoseismic data of Kelson (written communication, 2006).
		Three Segments (0.05)	Northern Calaveras	19.0	48	13 ± 2	90	N/A	SS	6.8	6 ± 2	
			South + Central Calaveras	16.7	79	11 ± 2	90	N/A	SS	6.5	15 ± 3	
			Paicines	71.0	60	13 ± 2	90 ± 15	N/A	SS	7.1	12 ± 3	
		Four Segments (0.2)	Northern Calaveras	19.0	48	13 ± 2	90	N/A	SS	6.8	6 ± 2	
			Central Calaveras	16.7	52	11 ± 2	90	N/A	SS	6.5	15 ± 3	
			Southern Calaveras	46.6	26	11 ± 2	90	N/A	SS	5.8	15 ± 3	
			Paicines	71.0	60	13 ± 2	90 ± 15	N/A	SS	7.1	12 ± 3	
		Segment + Floating Earthquake (0.3)	Northern Calaveras	19.0	48	13 ± 2	90	N/A	SS	6.8	6 ± 2	
			Floating Earthquake on Central + South Calaveras	16.7	N/A	11 ± 2	90	N/A	SS	6.2	15 ± 3	
			Paicines	71.0	60	13 ± 2	90 ± 15	N/A	SS	7.1	12 ± 3	
		Floating Earthquake (0.4)	N/A	16,7	N/A	11 ± 2	90	N/A	SS	6.2	4 (0.2) 6 (0.4) 15 (0.3) 20 (0.1)	
Hayward – Rodgers Creek - Healdsburg	1.0	Unsegmented (0.05)	Hayward + Rodgers Creek-Healdsburg	12.7	185	12 ± 2	90	N/A	SS	7.5	9 ± 2	Characterization based on WGCEP (2003; 2008) model. Recurrence intervals from WGCEP (2013).
		Two Segment (A) (0.1)	North Hayward + Rodgers Creek-Healdsburg	56.4	131	12 ± 2	90	N/A	SS	7.4	9 ± 2	

Fault Name	Probability of Activity[1]	Rupture Scenario[2]	Segment Name	Closest Distance[3]	Rupture Length[3]	Depth[4]	Dip[5]	Direction of Dip[6]	Sense of Slip[7]	Magnitude[8]	Slip Rate[9]	Notes
			Southern Hayward	12.7	54	12 ± 2	90	N/A	SS	6.9	**SR (0.2)** 9 ± 2 **RI (0.8)** 129 (0.2) 168 (0.6) 217 (0.2)	
		Two Segment (B) (0.3)	Rodgers Creek-Healdsburg	105.6	82	12 ± 2	90	N/A	SS	7.1	**SR (0.2)** 9 ± 2 **RI (0.8)** 135 (0.2) 325 (0.6) 785 (0.2)	
			Hayward	12.7	107	12 ± 2	90	N/A	SS	7.2	9 ± 2	
		Three Segment (0.5)	Rodgers Creek-Healdsburg	105.6	82	12 ± 2	90	N/A	SS	7.1	**SR (0.2)** 9 ± 2 **RI (0.8)** 180 (0.2) 230 (0.6) 300 (0.2)	
			North Hayward	56.4	53	12 ± 2	90	N/A	SS	6.9	**SR (0.5)** 9 ± 2 **RI (0.5)** 206 (0.2) 318 (0.6) 492 (0.2)	
			Southern Hayward	12.7	54	12 ± 2	90	N/A	SS	6.9	**SR (0.2)** 9 ± 2 **RI (0.8)** 175 (0.2) 211 (0.6) 270 (0.2)	
		Floating Earthquake (0.05)	N/A	12.7	N/A	12 ± 2	90	N/A	SS	6.9	9 ± 2	
Green Valley (GVF)-Berryessa (BF)-Hunting Creek (HCF) system	1.0	Model 1: HCF not included (0.5)										Characterization based on recent mapping by J. Lienkameper, documented in Lienkaemper (2010) and Lienkaemper (2012), and on characterization recommended by J. Lienkaemper for.inclusion in the UCERF3 California hazard model (J. Lienkaemper, pers. comm., 2012; Field et al., 2013). Changes from earlier (WGCEP, 2008 and prior) models, include combining Concord and Green Valley faults into a single Green Valley fault and including the Berryessa fault in the Green Valley fault system. Finally, the Hunting Creek fault serves as a "fuse" between GVF and the Bartlett Springs fault to the north; it can rupture with either system but tends to impede throughgoing rupture involving both faults (Lienkaemper and Brown, 2009; J. Lienkaemper, pers. comm., 2012). Thus, in this model, HCF is only included in the GVF system half the time. Rupture lengths are from Lienkaemper mapping.
		Unsegmented (0.3)	GVF+BF	65.5	94	13 ± 3	90	N/A	SS	7.0	5 ± 3	
		Segmented (0.7)	GVF	65.5	74	13 ± 3				6.9	5 ± 3	
			BF	137.6	22	13 ± 3				6.5	5 ± 3	
		Model 2: HCF included (0.5)										
		Unsegmented (0.1)	GVF+BF+HCF	65.5	126	13 ± 3	90	N/A	SS	7.3	5 ± 3	
		Two Segments (0.2)	GVF	65.5	74	13 ± 3	90	N/A	SS	6.9	5 ± 3	
			BF+HCF	137.6	50	13 ± 3	90	N/A	SS	7.0	5 ± 3	
		Two Segments (0.2)	GVF+BF	65.5	94	13 ± 3	90	N/A	SS	7.0	5 ± 3	
			HCF	157.9	32	13 ± 3	90	N/A	SS	6.7	5 ± 3	
		Three Segments (0.5)	GVF	65.5	74	13 ± 3	90	N/A	SS	6.9	5 ± 3	

Fault Name	Probability of Activity[1]	Rupture Scenario[2]	Segment Name	Closest Distance[3]	Rupture Length[3]	Depth[4]	Dip[5]	Direction of Dip[6]	Sense of Slip[7]	Magnitude[8]	Slip Rate[9]	Notes
			BF	137.6	22	13 ± 3	90	N/A	SS	6.5	5 ± 3	
			HCF	157.9	32	13 ± 3	90	N/A	SS	6.7	5 ± 3	
Greenville **Model 1 (0.8): Adopts Unruh and Sawyer (1998) and Lienkaemper et al. (2013) fault length**	1.0	Unsegmented (1.0)	N/A	39.6	57	15 ± 3	90	N/A	SS	6.9	1 (0.2) 2 (0.6) 3 (0.2)	Model assumes that slip on the Greenville fault primarily is derived from Ortigalita fault (up to about 2.5 mm/yr) via left-stepover across the Mt. Oso anticline. Model assumes that most if not all of the Greenville fault slip is transferred to the Concord fault across Mt. Diablo anticline. Fault length of 57 km measured from west end of Mt. Oso anticline to latitude of epicenter of 1980 Livermore earthquake (SE end of Mt. Diablo anticline). Holocene slip rate of about 2 mm/yr on northern segment of fault reported by Berger et al. (2010) applies only to the main trace of the fault and is assumed to be a minimum rate for the entire zone because there is a second, unstudied splay to the east at the latitude of Livermore Valley.
Model 2 (0.2): Adopts UCERF3 fault length (Field et al. 2013)	1.0	Unsegmented –Floating (0.2)	N/A	38.9	80	15 ± 3	90	N/A	SS	6.5 (0.2) 6.8 (0.6) 7.1 (0.2)	0.7 (0.2) 1.5 (0.6) 2.3 (0.5)	Model adopts 80-km-long fault geometry of the UCERF3 model (Field et al. 2013). Northern segment of the fault extends north of the 1980 Livermore earthquake epicenter and apparently includes the trace of the late Cretaceous-early Tertiary Clayton fault. The southern segment of the model fault source continues south of Mt. Oso anticline and includes traces of the Greenville fault in San Antonio Valley that have poor geomorphic expression and appear to be significantly less active than the northern segment. Late Quaternary slip rate for the southern segment is not known; the distribution on slip rate was adopted to span an order of magnitude below that of the northern segment. Slip rate for floating EQ based on moment balance with segmented model.
		Segmented (0.8)	Northern	40.8	51	15 ± 3	90	N/A	SS	6.8	1 (0.2) 2 (0.6) 3 (0.2)	
			Southern	38.9	29	15 ± 3	90	N/A	SS	6.7	0.1 (0.2) 0.5 (0.6) 1.0 (0.2)	
San Gregorio	1.0	Unsegmented (0.35)	Northern + Southern San Gregorio	38.6	219	13 ± 2	90	N/A	SS	7.7	1 (0.1) 3 (0.4) 7 (0.4) 10 (0.1)	Characterization based on WGCEP (2003) model.
		Segmented (0.35)	Northern San Gregorio	38.6	129	13 ± 2	90	N/A	SS	7.4	**SR (0.5)** 7 ± 3 **RI (0.5)** 435 (0.2) 571 (0.6) 900 (0.2)	
			Southern San Gregorio	53.5	90	12 ± 2	90	N/A	SS	7.2	3 ± 2	
		Floating Earthquake (0.3)	N/A	38.6	N/A	13 ± 2	90	N/A	SS	6.9	1 (0.1) 3 (0.4) 7 (0.4) 10 (0.1)	
East Valley Thrust faults (zone)	0.9	Unsegmented (1.0)	N/A	11.9	26	10	80 ± 10 (SS) 50 ± 10 (RO)	N/A	SS (0.5) RO (0.5)	6.5 (SS) 6.6 (RO)	1.0 (0.2) 3.0 (0.6) 5.0 (0.2)	Characterization based on WGNCEP (1996), Graymer *et al.* (2006), and Fenton and Hitchcock (2001).

Fault Name	Probability of Activity[1]	Rupture Scenario[2]	Segment Name	Closest Distance[3]	Rupture Length[3]	Depth[4]	Dip[5]	Direction of Dip[6]	Sense of Slip[7]	Magnitude[8]	Slip Rate[9]	Notes
`ill Thrust System	0.6	Floating Earthquake (1.0)	N/A	14.5	N/A	9 ± 2	60	SW	R	6.25 (0.3) 6.5 (0.3) 6.75 (0.3) 7.0 (0.1)	0.2 (0.2) 0.5 (0.6) 0.8 (0.2)	Simplified characterization based on WGCEP (2003) subgroup and recent studies as summarized in Kennedy *et al*. (2005) and Kennedy and Hitchcock (2004). Incorporates Berrocal, Shannon-Monte Vista, and Cascade faults. Although there is clear evidence of Holocene and latest Pleistocene fold deformation along this fault zone (Hitchcock and Kelson, 1999; Bullard *et al*., 2004), the fault is assigned a Probability of Activity of 0.6 to address the uncertainty as to whether the fault is an independent seismic source capable of generating moderate to large magnitude earthquakes. The seismogenic potential of the range front thrust faults is not well known. Aseismic slip (Bürgmann *et al.*, 1994) and coseismic slip during large magnitude events on the San Andreas fault system fault, such as occurred during the 1989 Loma Prieta earthquake (Haugerud and Ellen, 1990) may account for some or all of the local San Andreas fault-normal contraction, precluding the need for independent large magnitude events on the compressive structures. (Angell *et al.*, 1997; Hitchcock and Kelson, 1999).
Great Valley 8	1.0	Unsegmented (1.0)	N/A	44.1	41	15 ± 3 (Minimum depth 5 km)	15	W	R	6.6	0.5 (0.2) 1.5 (0.6) 2.5 (0.2)	Characterization simplified from WGCEP (2008). Modeled as buried fault with fault tip depth at 5 km modified from WGCEP (2008).
Midway/ Black Butte	1.0	Floating Earthquake (1.0)	N/A	48.3	31	14 ± 3	70 ± 10	W	RO	6.25 (0.2) 6.5 (0.4) 6.75 (0.4)	0.1 (0.3) 0.5 (0.4) 1.0 (0.3)	The Black Butte fault is a documented late Quaternary-active reverse (oblique?) fault (Sowers *et al*., 1992) that appears to be related to the late Cenozoic dextral Midway fault by a short left-restraining bend. Limited data are available on slip rate and rupture behavior. The slip rate estimate is based on uplift of middle to early Pleistocene pediment surface across the Black Butte fault (Sowers *et al*., 1992) and an inferred H:V ratio for the components of slip of ≤ 3:1.
Monterey Bay-Tularcitos	1.0	Unsegmented (1.0)	N/A	46.8	84	14	90	N/A	SS	7.3	0.1 (0.2) 0.5 (0.6) 0.9 (0.2)	Cao *et al.* (2003)
Mt Diablo	1.0	Unsegmented (0.5)	N/A	44.2	31	top: 5 (0.5); 1 (0.5) bottom: 16	30 (0.2) 45 (0.6) 50 (0.2)	NE	R	6.8	1 (0.2) 3 (0.6) 5 (0.2)	Characterization from Unruh (personal communication, 2006). Fault tip inferred to approach within 5 km (0.5) to 1 km (0.5) of the surface based on restorable cross section, and on map-scale relationships between surface faults and fold axis.
		Segmented (0.5)	Mt. Diablo North	58.2	12	top: 4 (0.5); 2 (0.5) bottom: 16	30 (0.2) 45 (0.6) 50 (0.2)	NE	R	6.4	1 (0.2) 3 (0.6) 5 (0.2)	North: Fault tip inferred to approach within 4 km (0.5) to 2 km (0.5) of the surface based on model in restorable cross section.
			Mt. Diablo South	44.2	19	top: 5 (0.5); 1 (0.5) bottom: 16	30 (0.2) 45 (0.6) 50 (0.2)	NE	R	6.6	1 (0.2) 3 (0.6) 5 (0.2)	South: Fault tip inferred to approach within 5 km (0.5) to 1 km (0.5) of the surface based on model in restorable cross section, and map-scale relationships between surface faults and fold axis.
Mt Oso	0.7	Unsegmented (1.0)	N/A	40.0	25	top: 5 bottom: 16	30 (0.3) 45 (0.4) 60 (0.3)	NE	R	6.7	0.5 (0.2) 1.5 (0.6) 2.5 (0.2)	Inferred thrust fault occupying the contractional stepover between the Ortigalita and Greenville faults. NE-dipping rupture geometry inferred from the SW-vergence of the Mt. Oso anticline and analogy to Mt. Diablo thrust (J. Unruh, Wm. Lettis and Associates, *Pers. Comm.*, 2006). Activity based on slip transfer from the northern Ortigalita to the southern Greenville. Fault tip at 5 km depth.

Fault Name	Probability of Activity[1]	Rupture Scenario[2]	Segment Name	Closest Distance[3]	Rupture Length[3]	Depth[4]	Dip[5]	Direction of Dip[6]	Sense of Slip[7]	Magnitude[8]	Slip Rate[9]	Notes
Ortigalita	1.0	Segmented (0.3)	Northern Ortigalita	55.9	40	15 ± 3	90	N/A	SS	6.9	0.5 (0.15) 1.0 (0.35) 2.0 (0.35) 2.5 (0.15)	Characterization revised from Cao *et al.* (2003) using recent mapping and paleoseismic data from Anderson and Piety (2001) to modify the lengths and slip rates for the north and south segments of the fault. They estimate a slip rate of 1.0-2.0 mm/yr for the northern section based on abundant geomorphic evidence for probable latest Pleistocene and Holocene displacement and, paleoseismic trench investigations that indicate that Quaternary deposits estimated to be between 10 ka and 25 ka, are right laterally offset between about 13 and 25 m by the Cottonwood Arm segment of the Ortigalita fault. They note the southern segment appears much less active and accordingly, they assign a lower slip rate of 0.2 to 1.0 mm/yr to this segment.
			Southern Ortigalita	73.2	62	15 ± 3	90	N/A	SS	7.1	0.2 (0.2) 0.6 (0.6) 1.0 (0.2)	
		Segmented + Floating Earthquake (0.7)	Northern Ortigalita	55.9	40	15 ± 3	90	N/A	SS	6.9	0.5 (0.15) 1.0 (0.35) 2.0 (0.35) 2.5 (0.15)	
			Floating Earthquake on Southern Ortigalita	73.2	62	15 ± 3	90	N/A	SS	6.6	0.2 (0.2) 0.6 (0.6) 1.0 (0.2)	
Potrero Hills	0.7	Unsegmented (1.0)	N/A	100.2	9	6 ± 2	40 ± 10	SW	R	5.75 (0.3) 6.0 (0.6) 6.25 (0.1)	0.1 (0.2) 0.3 (0.6) 0.6 (0.2)	Characterization based on Unruh and Hector (1999). Fault tip inferred to lie between 0 km and 1 km depth based on analysis of gas well data and construction of geologic cross sections. The fault is assigned a Probability of Activity of (0.7) based on geomorphic and physiographic evidence that slip is being transferred from the active Pittsburg Kirby Hills fault to Wragg Canyon and Hunting Creek-Berryessa fault zones to the north via the Potrero Hills fault.
Quien Sabe	1.0	Unsegmented (1.0)	N/A	65.3	24	10	90	N/A	SS	6.5	0.1 (0.2) 1.0 (0.6) 2.0 (0.2)	Characterization from Cao *et al.* (2003) and WGCEP (2008).
San Andreas (Southern)	1.0	Unsegmented (1.0)	N/A	226.8	312	12 ± 2	90	N/A	SS	7.8	28 (0.2) 33 (0.6) 38 (0.2)	Characterization from URS.
Sargent	0.8	Unsegmented (1.0)	NA	19.4	57	14 ± 3	80 ± 10	SW	RO	7.1	1.5 (0.3) 3.0 (0.4) 4.5 (0.3)	Characterization based on WGNCEP (1996). Geodetic measurements indicative of right slip across the southern Sargent fault (Prescott and Burford, 1976), evidence for creep of about 3-4 mm/yr, as well as associated historical microseismicity suggest that the Sargent fault is an independent seismic source. The Sargent fault experienced triggered slip during the 1989 M_W 6.9 Loma Prieta earthquake (Aydin, 1982). A Probability of Activity of less than 1.0 (0.8) considers that fault slip may occur coseismically as creep or during large magnitude events on the San Andreas fault.
Silver Creek fault	0.5	Unsegmented (1.0)	N/A	6.5	50	12 ± 2	70	E	SS	6.9	0.01 (0.2) 0.1 (0.6) 1.0 (0.2)	Wentworth et al. (2010) propose the Silver Creek fault, which was active in the early Quaternary, with a rate of less than 2 mm/yr, may still be active. They have no rate constraints and only propose that the rate is still less than 2 mm/yr. However, early Quaternary deformation is defined by dip slip on an early Quaternary surface. Above this horizon there is no evidence of dip slip, only a weakly defined depression that they propose might reflect a negative flower structure in strike-slip fault but which could be due to non-tectonic processes. If the fault is still active, it is likely predominantly strike-slip with lower rate than the early Quaternary rate. We propose a broad slip rate distribution with a low preferred slip rate since there is little evidence of late Quaternary displacement.
Stanford	0.7	Unsegmented	N/A	19.9	16 (0.5) 18 (0.5)	9 ± 2	45 (0.2) 60 (0.6) 75 (0.2)	SW	R	6.3	0.4 (0.2) 0.7 (0.6) 1.0 (0.2)	Fault depth and dip are constrained by spatial relations with San Andreas fault. Slip rate is from Angell *et al.*, 1988 and Bullard *et al.* (2004). Length estimates are from Graymer *et al.*, 2006 and Fenton and Hitchcock, 2001.
Zayente-Vergeles	1.0	Unsegmented (1.0)	N/A	24.7	58	11	70 ± 10	SW	R	7.0	0.1 ± 0.1	Characterization from Cao *et al.* (2003) and WGCEP (2008); Dip information from USGS Quaternary Database

Fault Name	Probability of Activity[1]	Rupture Scenario[2]	Segment Name	Closest Distance[3]	Rupture Length[3]	Depth[4]	Dip[5]	Direction of Dip[6]	Sense of Slip[7]	Magnitude[8]	Slip Rate[9]	Notes
Orestimba	1.0	Unsegmented (1.0)	N/A	32.5	66	15 ± 3	30° (0.4) 45° (0.4) 60° (0.2)	W	R/RO	7.2	0.2 (0.2) 0.4 (0.5) 1.0 (0.3)	Characterization based on Anderson and Piety (2001), WGCEP (2003), URS (2007). Segment of Coast Range/Sierran block boundary(CRSB) (also referred to as the Coast Range/Central Valley fault system.). Anderson and Piety (2001) assign steeper dips (20 to 30°) to the Orestimba fault than considered in the CGS source model (Cao et al. 2003). The Thrust Subgroup of the 1999 Working Group, that provided input to WGCEP (2003), suggested a range of dip between 25° (similar to the Coalinga thrust fault) and 60° (predicted by Coulomb failure criteria).URS (2007) favored steeper dips, based on the steepness of the range along these segments from between approximately 36.5°N to 38°N. Anderson and Piety (2001) provide estimates for the uplift rate along several segments based on the elevation of uplifted early (?) to middle Pleistocene pediment surfaces and late Pleistocene fluvial terraces (Sowars et al. 1992) and inferred slip rates of 0.4 to 0.7 mm/yr based on a 30° dip. The range here is higher, based on a wider range of possible dips
Vernalis	0.8	Floating Earthquake (1.0)	N/A	57.3	46	15 ± 3	70 ± 10	W	RO	6.25 (0.2) 6.5 (0.4) 6.75 (0.4)	0.07 (0.3) 0.25 (0.4) 0.5 (0.3)	Quaternary activity of the Vernalis fault is inferred from the distribution of older Quaternary deposits (CDMG 1:25,000 San Jose quadrangle) that indicate differential uplift across the fault. Sterling (1992) describes stratigraphic and structural relationships imaged by seismic reflection data indicating "movement as recently as late Pliocene." The slip rate is estimated to be comparable to the estimated rate for the West Tracy fault.

[1] Probability of Activity: Independent seismic source (**M** ≥ 6.0) and repeated displacements in late-Quaternary or historical activity (1.0); Late Pleistocene or inferred association with historical seismicity (0.7); activity inferred from fault geometry considered likely to move under current tectonic regime (0.5). Other values reflect other fault-specific characteristics.
[2] Weight assigned according to likelihood of occurrence of rupture scenario.
[3] Closest distance and rupture length in kilometers.
[4] Seismogenic depth is kilometers. Unless otherwise stated, weights are 0.4 for the best estimate and 0.3 for the upper and lower bound estimates. A single depth value is weighted 1.0.
[5] Inclination of fault plane, measured from the horizontal. Dips are not varied unless otherwise stated. Weights are 0.4 for the best estimate and 0.3 for the upper and lower bound estimates.
[6] Direction of inclination of the fault plane. N/A infers a vertical fault plane.
[7] SS – strike-slip; R – reverse; OR – oblique-reverse.
[8] Unless otherwise stated, uncertainties in the best estimate magnitude are ± 0.3 magnitude unit. Weights are 0.2, 0.6, and 0.2 unless otherwise stated. A single magnitude value for floating events is weighted 1.0, unless otherwise noted. Magnitudes for ruptures are calculated from magnitude-area relationships described in Field et al. (2013), with weights HB08 (0.2), Shaw09 (0.4), and EllsB (0.4). Exceptions include floating earthquakes, which are not calculated from fault dimensions.
[9] Slip rate, in mm/yr, based on paleoseismic data or analogy to similar structures. Unless otherwise stated, weights are 0.2, 0.6, and 0.2

Project: SCVMC EXPANSION
WEST DECK PARKING STRUCTURE

Boring Log Legend Sheet

Date Drilled:
Type of Boring:
Hammer:

Remarks:

Surface Elevation:

Depth Ft	Samples	Blows/Ft	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density pcf	Unconfined Compress. Strength, psf	Other Tests
5			2-inch I. D. Modified California Sampler				
			1-3/8 inch I.D. Standard Penetration Sampler				
10							
15		8	Blow count with 140-pound hammer falling 30 inches per blow				
20		50/5"	Blow count with 140-pound hammer falling 30 inches for 5 inches of penetration				
25			Bag Sample (bulk)				
30			Liquid Limit (LL), in percent Plasticity Index (PI), in percent				LL=30 PI=12
35			Percent fines (silt and clay) in sample, (-#200) Percent gravel and coarser in sample, (+#4)				-#200=15% +#4=20%
40							
45							

6/24/94 JGLOG 0846R

Project: West Deck Parking Structure
Santa Clara County, California

Log of Boring No. 29

Date Drilled: 3/8/94

Remarks:

Type of Boring: 6" Solid Flight Auger

Hammer: 140 lb.

Surface Elevation: feet (approx.)

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests/ Remarks
				3 inch AC, 6 inch base				
	1	17		SILTY CLAY (CL) Very stiff, moist, dark brown	15	115	5450	LL = 30 PI = 12
	2	11		CLAYEY SILT (ML) Stiff, moist, brown, with trace gravel	14	106	2380	
5	3	11		SILTY SAND (SM) Loose, moist, brown, with some gravel to 3/4 inch				
	4	8						
10	5	6		SANDY SILT (ML) Loose, moist, brown				
				SILTY SAND (SM) Loose, moist, brown				
15	6	10		CLAYEY SILT (ML) Stiff, moist, brown				
20	7	25		SILTY CLAY (CL) Very stiff, moist, brown	17	112	5550	
	8	20						
25				BOTTOM OF BORING AT 25 FEET Dry at time of drilling				
30								
35								
40								
45								

Project: West Deck Parking Structure
Santa Clara County, California

Log of Boring No. 30

Date Drilled: 3/9/94 Remarks:

Type of Boring: 6" Solid Flight Auger

Hammer: 140 lb. Surface Elevation: feet (approx.)

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests/ Remarks
				2 inch AC, no base				
	1	10		SILTY CLAY (CL) Very stiff, moist, dark brown, with trace gravel	14	113	4020	
	2	5		CLAYEY SANDY SILT (ML) Medium, moist, brown, (lightly cemented)	16	104	1470	
5	3	6		SANDY SILT (ML) Loose, moist, brown				
	4	9		SILTY SAND (SM) Loose, moist, brown				
10	5	23		SANDY GRAVEL (GW) Medium dense, moist, brown & gray, gravel to 1-1/4 inch				
15	6	11		SILTY CLAY(CL) Stiff, moist, brown				
20	7	15			22	103	1980	
				BOTTOM OF BORING AT 20-1/2 FEET Dry at time of drilling				
25								
30								
35								
40								
45								

Project: West Deck Parking Structure
Santa Clara County, California

Log of Boring No. 31

Date Drilled: 3/8/94

Remarks:

Type of Boring: 6" Solid Flight Auger

Hammer: 140 lb.

Surface Elevation: feet (approx.)

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests/ Remarks
				3 inch AC, 6 inch base				
	1	7		CLAYEY SANDY SILT (ML) Stiff, moist, dark brown, with trace gravel, (cemented)	11	113	2850	
	2	11			17	106	2950	
5	3	6		GRAVELLY SAND (SW) Loose, moist, brown, gravel to 2 inches				
	4	5		SILTY SAND (SM) Loose, moist, brown, with trace fine gravel	6			+#4=3% -#200=15%
10	5	7						
15	6	12		CLAYEY SILT (ML) Stiff, moist, brown, with trace fine sand	17	111	2680	
20	7	19		SILTY CLAY (CL) Very stiff, moist, brown	17	112	5110	
				More & larger gravel - 1/2 - 3/4 inch				
25	8	23		GRAVELLY SAND (SW) Medium dense, moist, brown & gray, gravels 1/2 to 1 inch				
	9	21		SANDY CLAY (CL) Very stiff, moist, light brown, mottled gray, trace gravel				
30				BOTTOM OF BORING AT 30 FEET Dry at time of drilling				
35								
40								
45								

Project: West Deck Parking Structure
Santa Clara County, California

Log of Boring No. 32

Date Drilled: 3/8/94

Remarks:

Type of Boring: 6" Solid Flight Auger

Hammer: 140 lb.

Surface Elevation: feet (approx.)

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests/ Remarks
				5-1/2 inch AC, 4 inch base				
	1	16		SILTY CLAY (CL) Stiff, moist, dark brown, with trace gravel (1/4 - 3/8 inch)	14	117	3840	
	2	8		SANDY SILT (ML) Loose, moist, brown, (cemented)	12	113	4090	
5	3	9		Becomes light brown	13	108	3990	
	4	10			12	114	4830	
10	5	8						
15	6	7		SILTY SAND (SM) Loose, moist, brown				
				SILTY CLAY (CL) Medium, moist, brown				
20	7	22		More plastic, very stiff				
				BOTTOM OF BORING AT 21 FEET Dry at time of drilling				
25								
30								
35								
40								
45								

Project: West Deck Parking Structure
Santa Clara County, California

Log of Boring No. 33

Date Drilled: 3/8/94

Remarks:

Type of Boring: 6" Solid Flight Auger

Hammer: 140 lb.

Surface Elevation: feet (approx.)

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests/ Remarks
				3 inch AC, 8 inch base				
	1			SILTY CLAY (CL) Medium, moist, brown				Bag Sample
	2	7		Trace gravel	18	94	1380	
5	3	8		Becomes stiff	16	108	3510	
	4	10		SILT (ML) Stiff, moist, brown, with some fine sand and trace clay				
10				SANDY SILT (ML-SM) Loose, moist, brown				
	5	8		SILTY CLAY (CL) Medium, moist, brown				
15								
	6	20		Stiff to very stiff, more plastic	18	109	4970	
20								
	7	19			18	109	3430	
25				BOTTOM OF BORING AT 25 FEET Dry at time of drilling				
30								
35								
40								
45								

6/24/94 JSIEVE 0846R

Project : West Deck Parking Structure

Project No. 943042NA

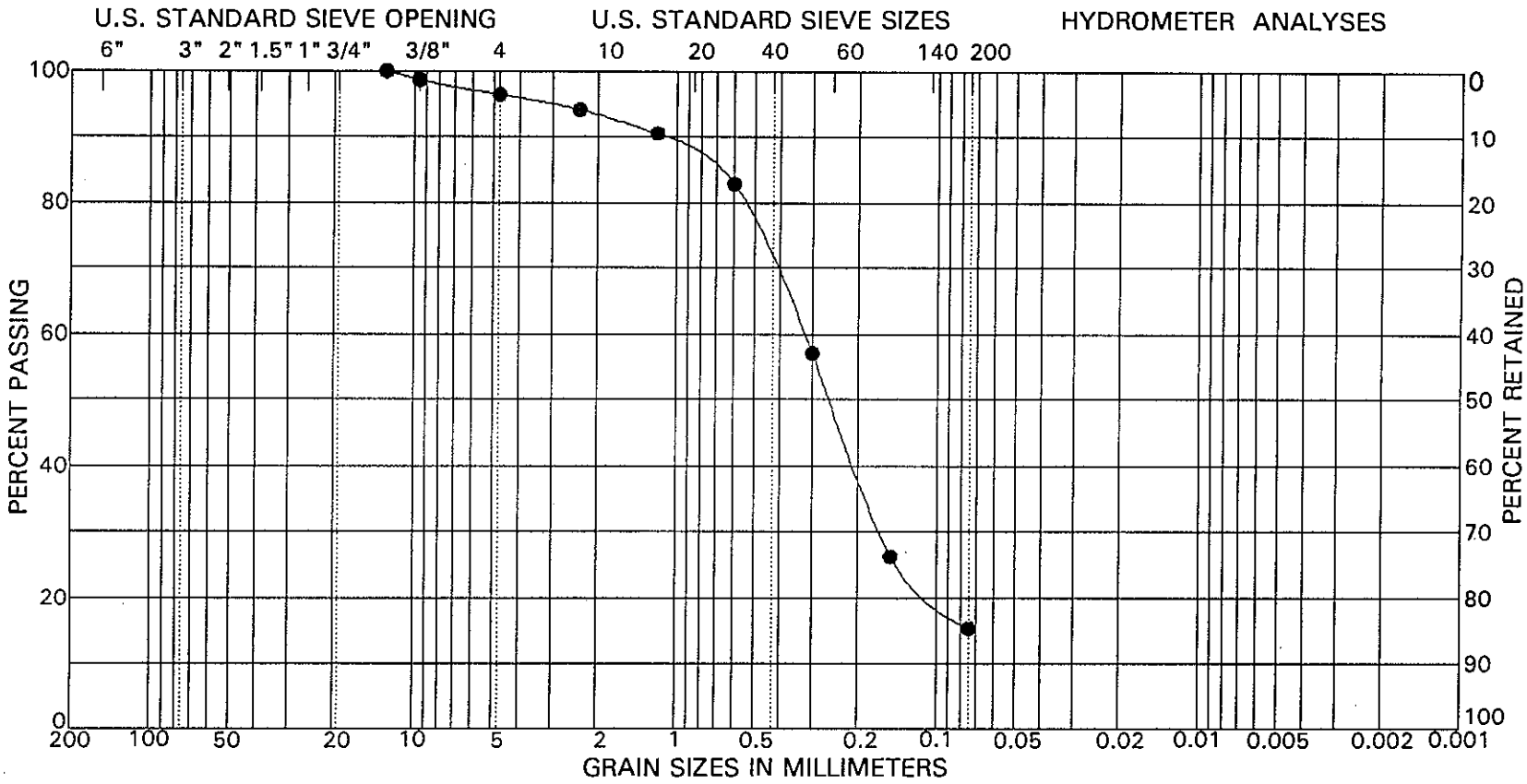
GRAIN SIZE DISTRIBUTION CURVES

Figure A7

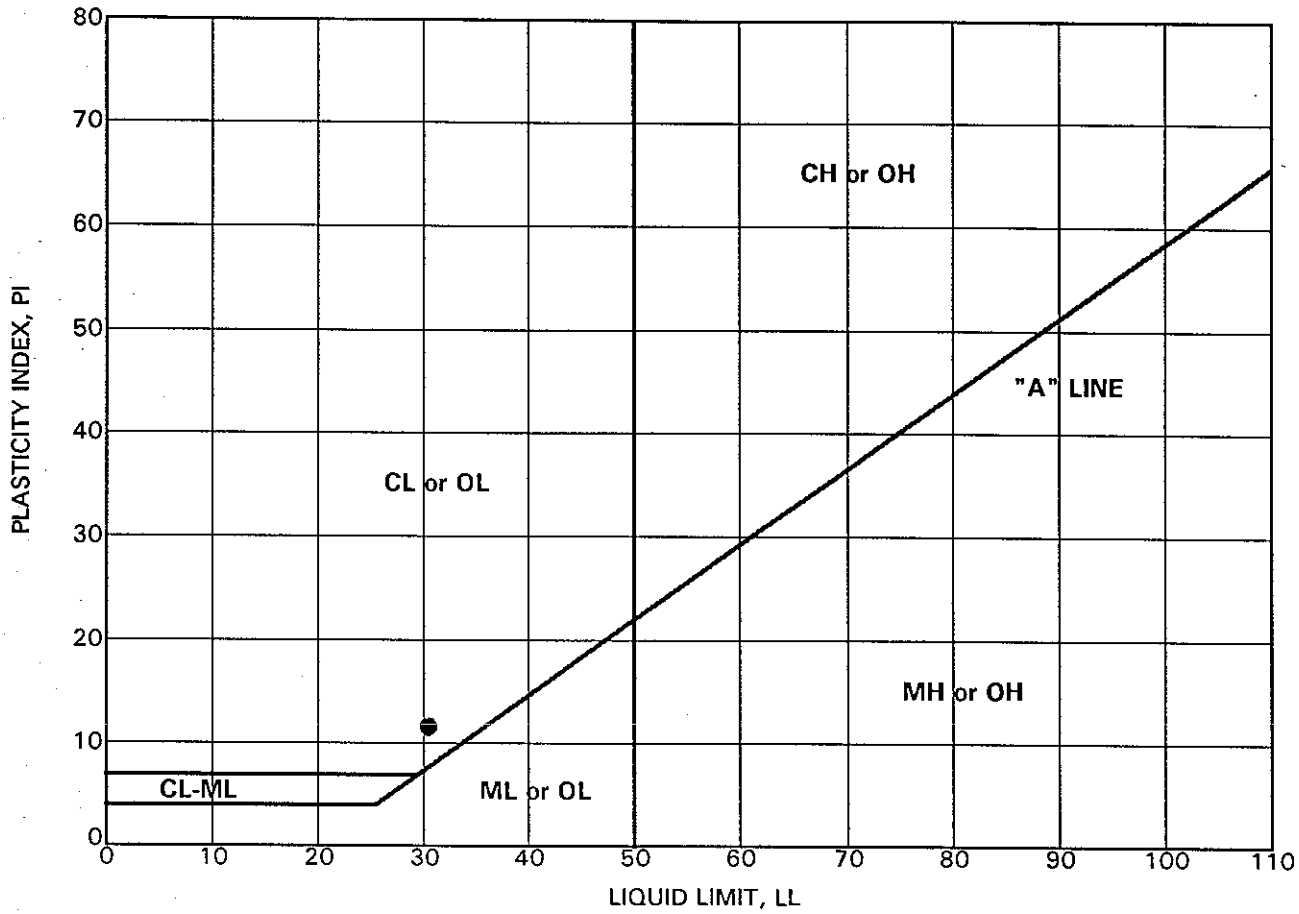
Woodward-Clyde Consultants

UNIFIED SOIL CLASSIFICATION

COBBLES	GRAVEL		SAND			SILT AND CLAY
	coarse	fine	coarse	medium	fine	



Boring Number	Sample Number	Depth (feet)	Symbol	LL	PI	Classification
31	4-(3&4X)	8.0	●			SILTY SAND (SM)



Boring Number	Sample Number	Depth (feet)	Test Symbol	Moisture Content (%)	LL	PL	PI	Description
29	1	1.0	●		31	19	12	CLAYEY SAND (SC) W/GRAVEL

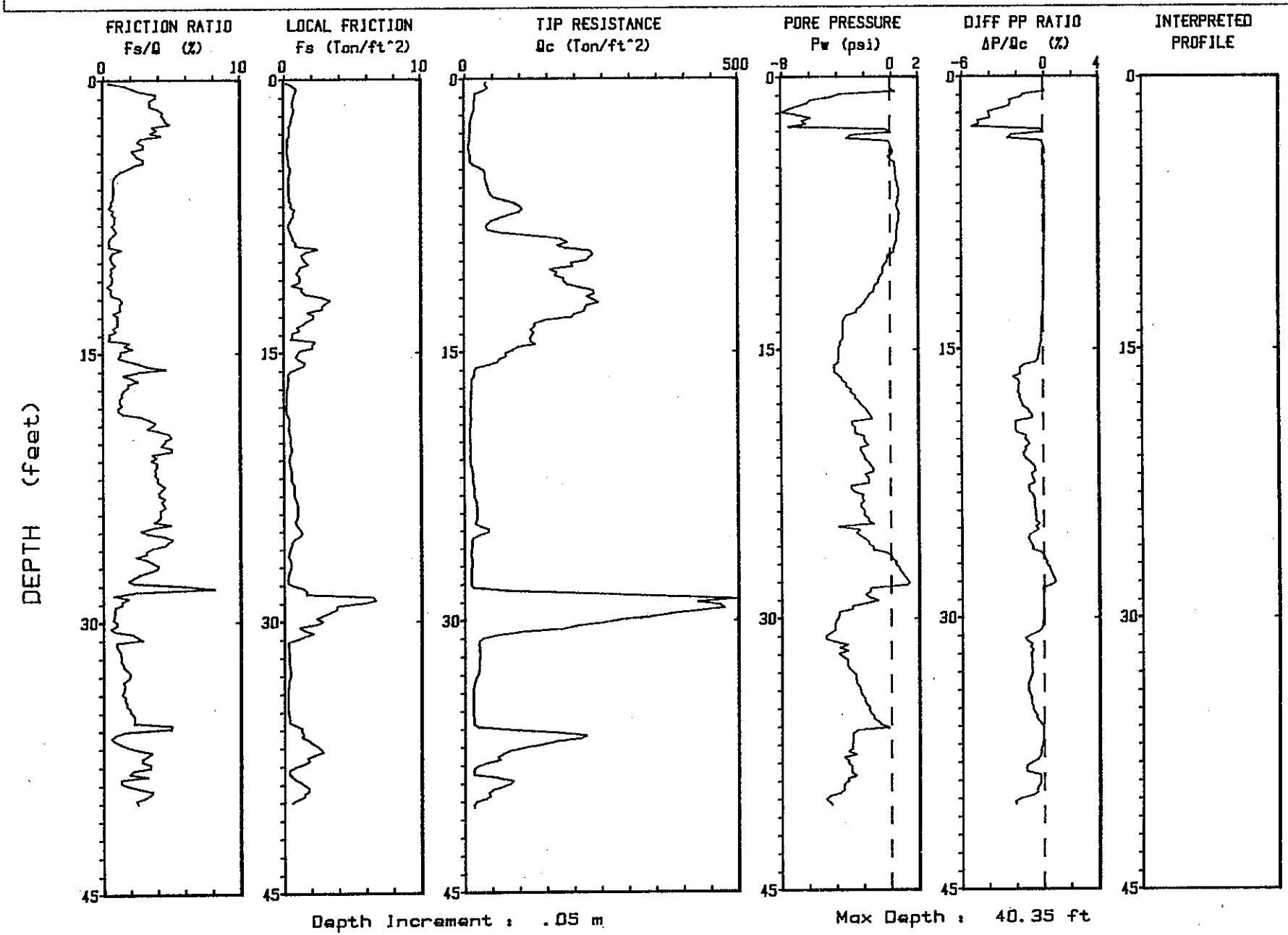
Project: West Deck Parking Structure Project Number: 943042NA	PLASTICITY CHART SCVMC EXPANSION West Deck Parking Structure	Figure A8

V B I

Operator : CARL G. MORGAN
Location : CPT-30

CPT Date : 03-08-94 09:41
Cone Used : 392TC U2

Sounding : 940095 Pg 1 / 1
Job No. : _____



Depth Increment : .05 m

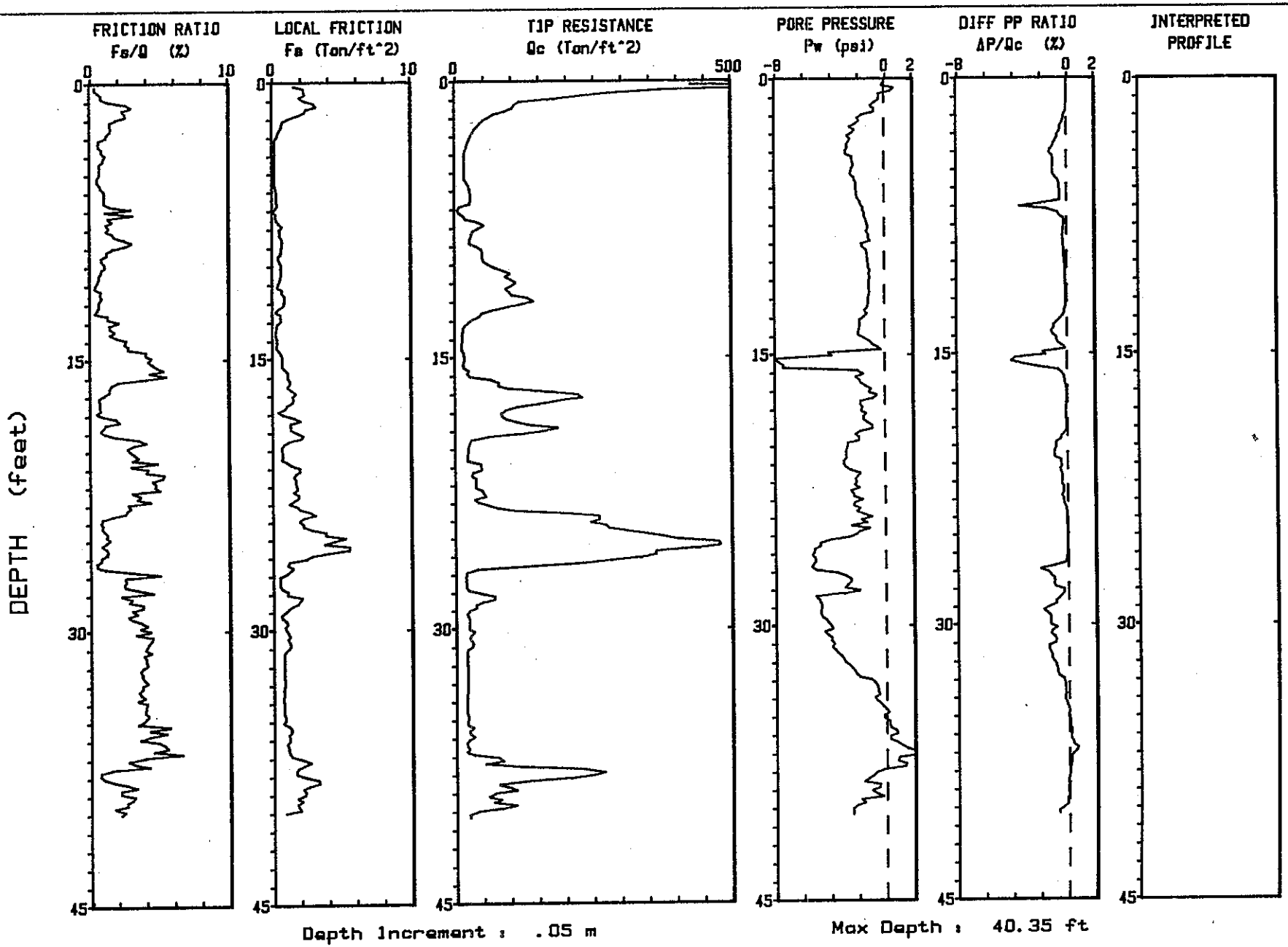
Max Depth : 40.35 ft

V B I

Operator : CARL G. MORGAN
Location : CPT-32

CPT Date : 03-08-94 12:35
Cone Used : 392TC U2

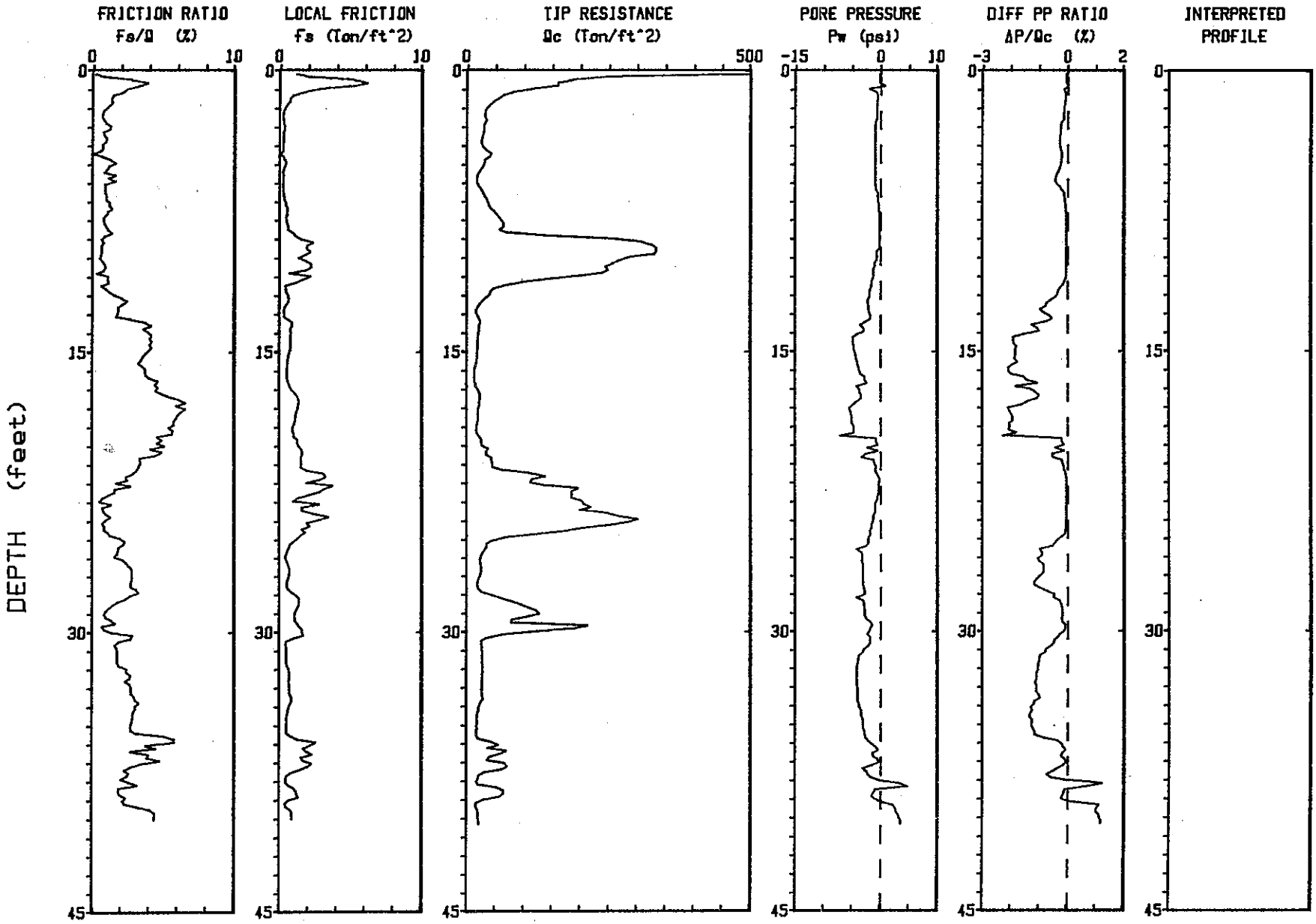
Sounding : 940098 Pg 1 / 1
Job No. : _____



V B I

Operator : CARL G. MORGAN CPT Date : 03-08-94 11:16 Sounding : 940096 Pg 1 / 1

Location : CPT-34 Cone Used : 392TC U2 Job No. : _____



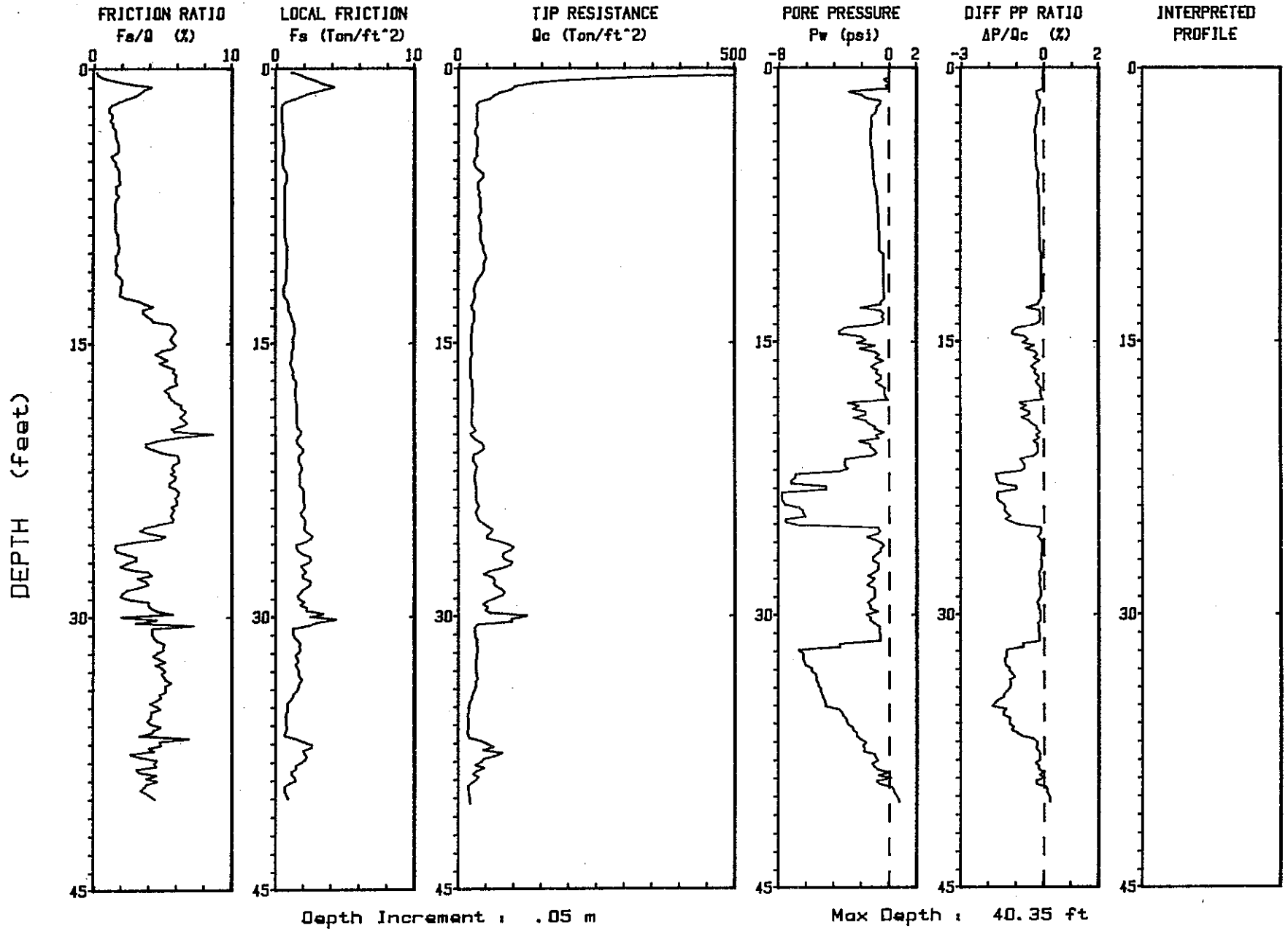
Depth Increment : .05 m Max Depth : 40.35 ft

V B I

Operator : CARL G. MORGAN
Location : CPT-36

CPT Date : 03-08-94 11:56
Cone Used : 392TC U2

Sounding : 940097 Pg 1 / 1
Job No. : _____



Depth Increment : .05 m

Max Depth : 40.35 ft

3/25/94 JGLOG 0846R

Project: SCVMC EXPANSION
WEST DECK PARKING STRUCTURE

Log of Boring No. 33

Date Drilled: 3/8/94
Type of Boring: 6" Solid Flight Auger
Hammer: 140 lb.

Remarks:

Surface Elevation: feet (approx.)

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests/ Remarks
				3 inch AC, 6 inch base				
	1	7		CLAYEY SANDY SILT (ML) Stiff, moist, dark brown, with trace gravel, (cemented)	11	113	2850	
	2	11			17	106	2950	
5	3	6		GRAVELLY SAND (SW) Loose, moist, brown, gravel to 2 inches				
	4	5		SILTY SAND (SM) Loose, moist, brown, with trace fine gravel	6			+#4=3% -#200=15%
10	5	7						
15	6	12		CLAYEY SILT (ML) Stiff, moist, brown, with trace fine sand	17	111	2680	
20	7	19		SILTY CLAY (CL) Very stiff, moist, brown	17	112	5110	
				More & larger gravel - 1/2 - 3/4 inch				
25	8	23		GRAVELLY SAND (SW) Medium dense, moist, brown & gray, gravels 1/2 to 1 inch				
	9	21		SANDY CLAY (CL) Very stiff, moist, light brown, mottled gray, trace gravel				
30				BOTTOM OF BORING AT 30 FEET				
35								
40								
45								

3/25/94 JSIEVET 0846R

Project : SCVMC EXPANSION
Project No. 91C-0846R

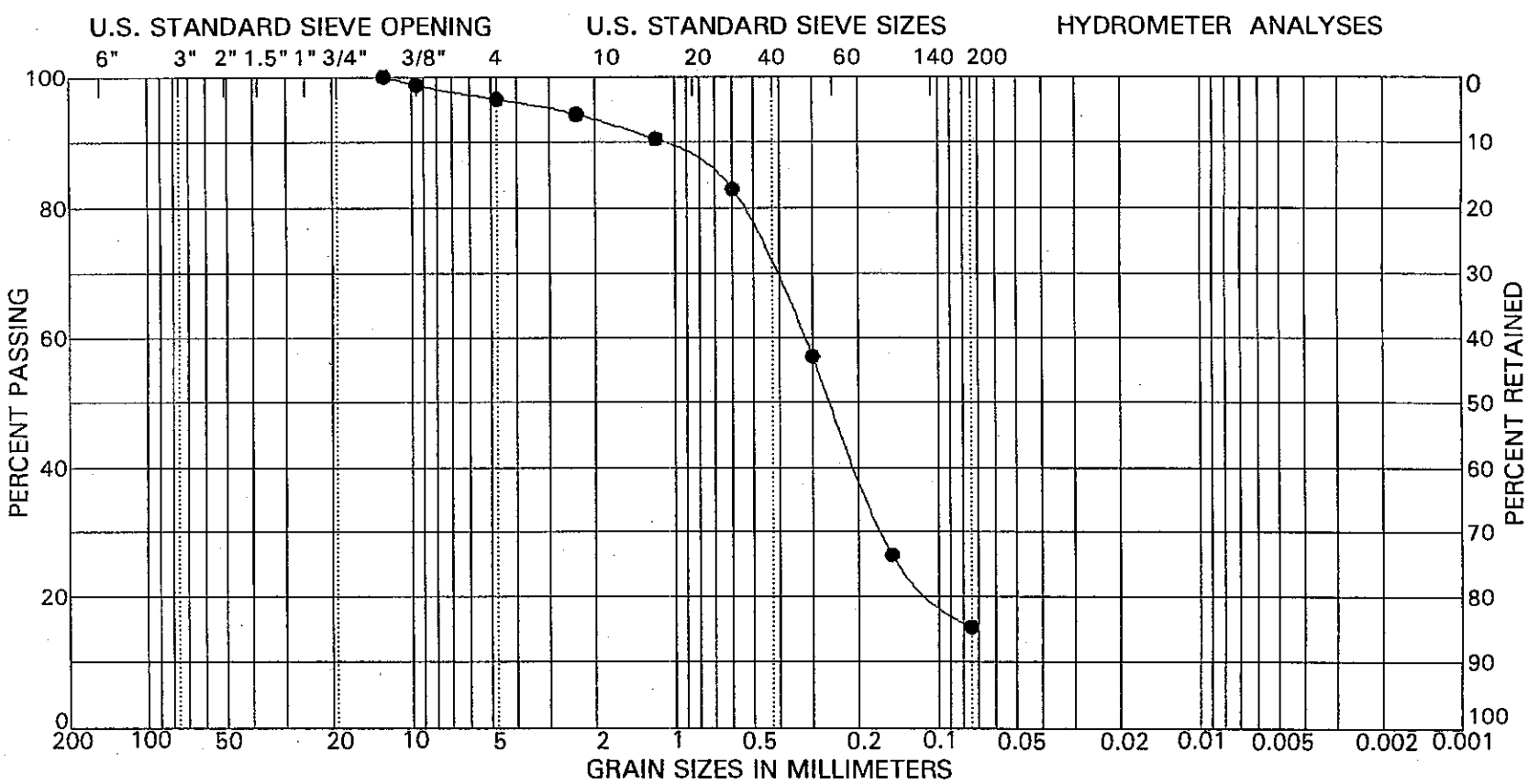
GRAIN SIZE DISTRIBUTION CURVES
SCVMC Expansion
West Deck Parking Structure

Figure A7

Woodward-Clyde Consultants

UNIFIED SOIL CLASSIFICATION

COBBLES	GRAVEL		SAND			SILT AND CLAY
	coarse	fine	coarse	medium	fine	



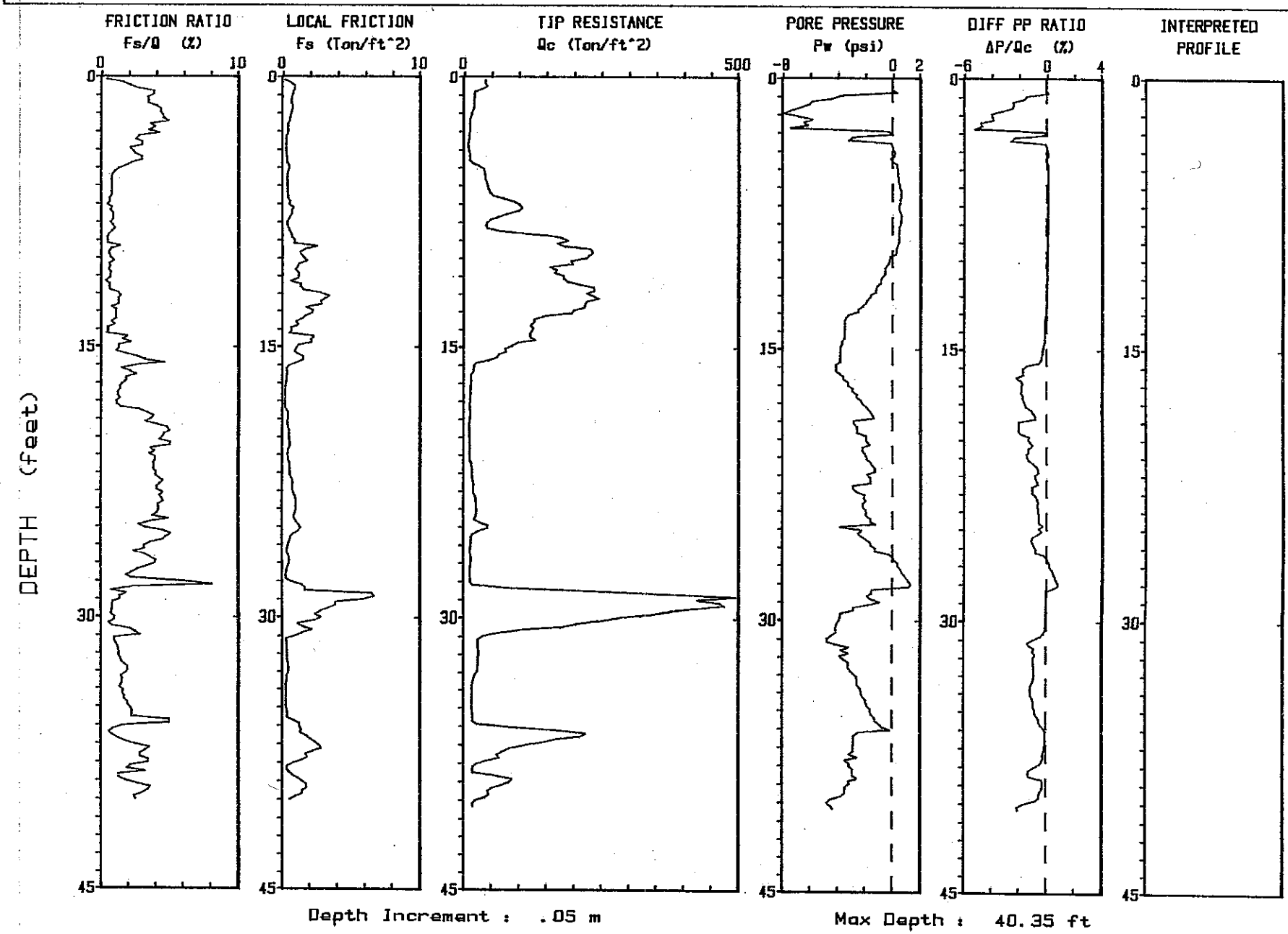
Boring Number	Sample Number	Depth (feet)	Symbol	LL	PI	Classification
33	4-(3&4X)	8.0	●			SILTY SAND (SM)

V B I

Operator : CARL G. MORGAN
Location : CPT-30

CPT Date : 03-08-94 09:41
Cone Used : 392TC U2

Sounding : 940095 Pg 1 / 1
Job No. : _____



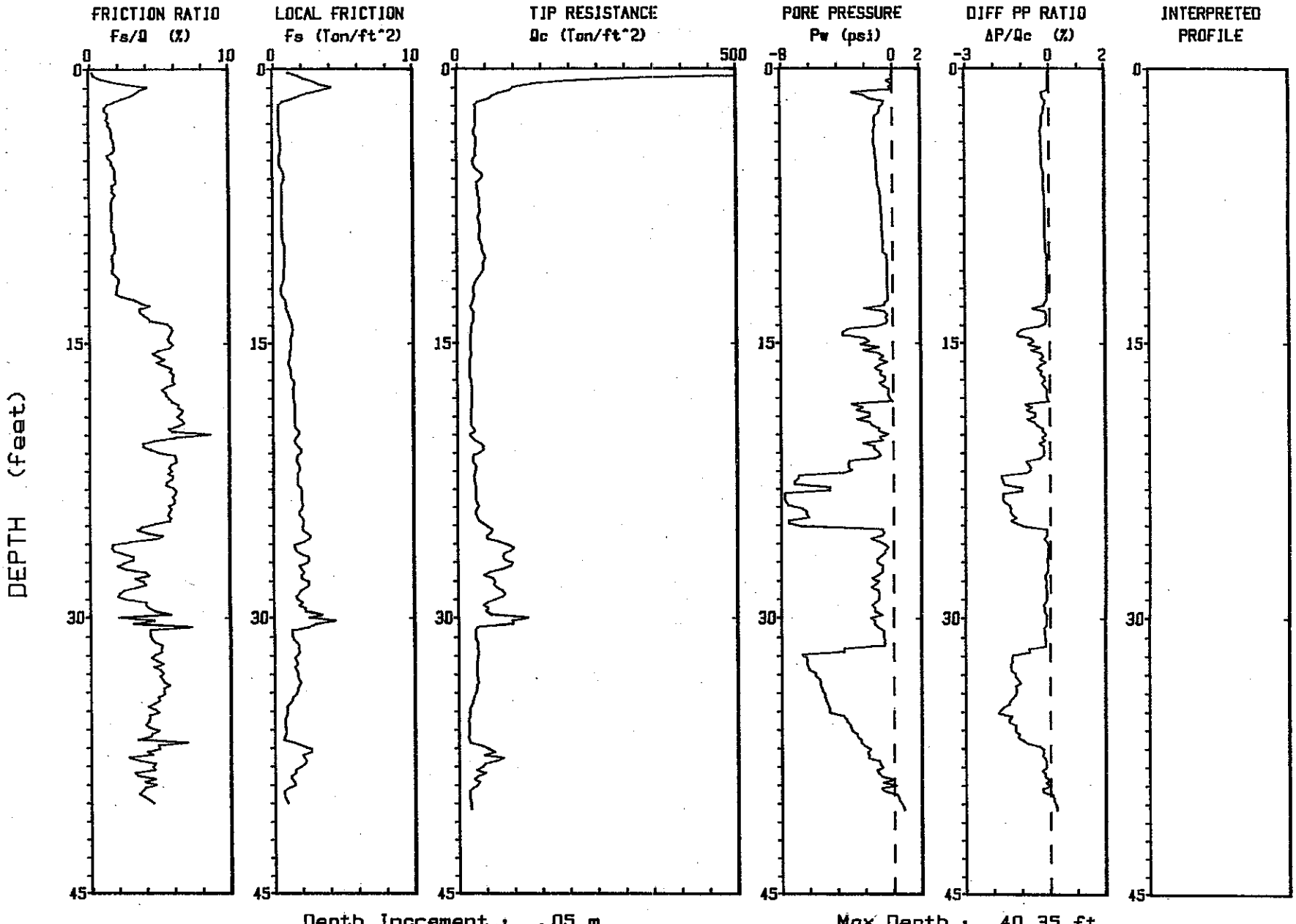
Depth Increment : .05 m

Max Depth : 40.35 ft

V B I

Operator : CARL G. MORGAN CPT Date : 03-08-94 11:56 Sounding : 940097 Pg 1 / 1

Location : CPT-36 Cone Used : 392TC U2 Job No. : _____

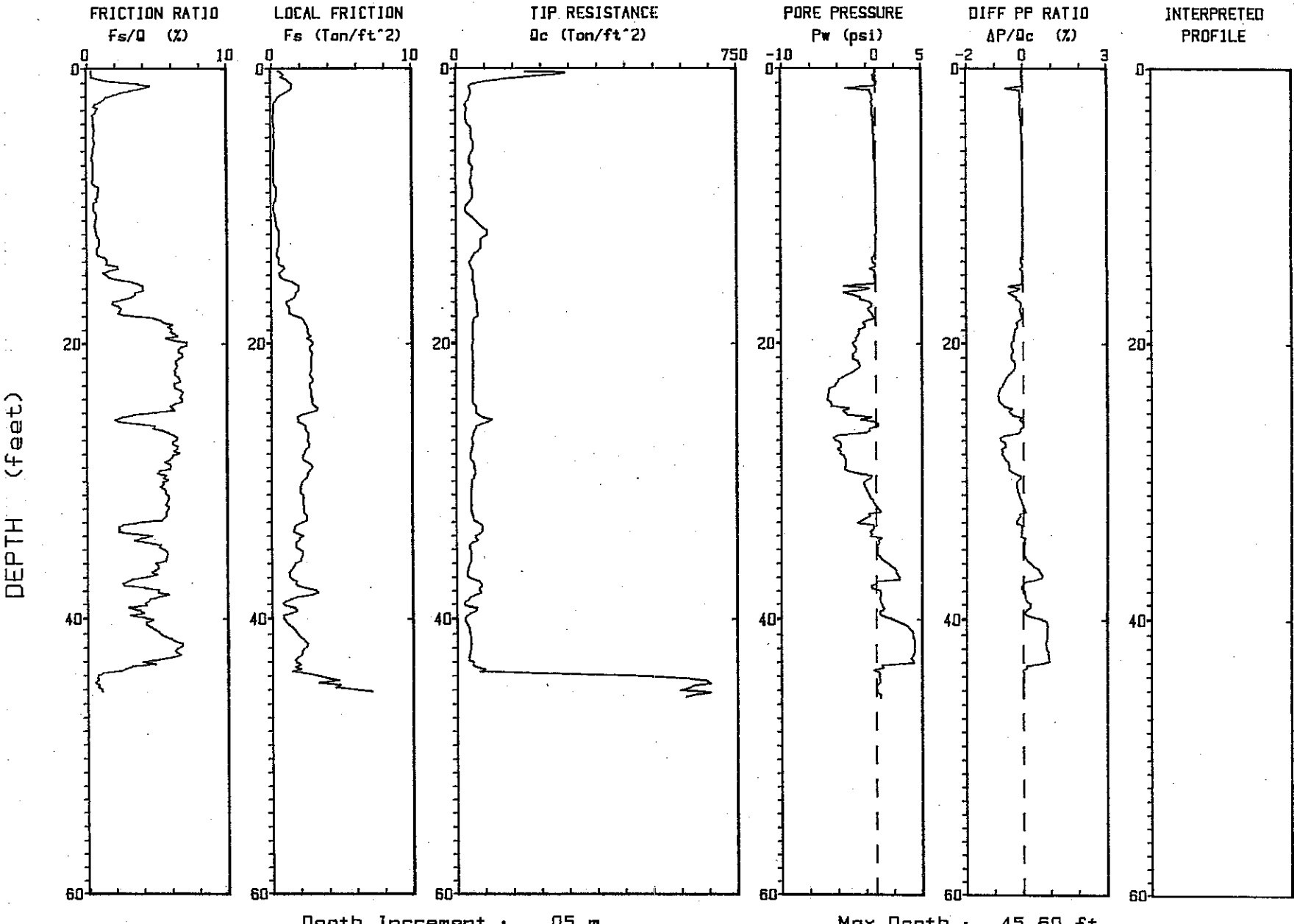


Depth Increment : .05 m Max Depth : 40.35 ft

V B I

Operator : VIRGIL A. BAKER CPT Date : 03-09-94 09:58 Sounding : 94Z017 Pg 1 / 1

Location : CPT-38 Cone Used : HO 322 TC - U2 Job No. : VALLEY VIEW MED.

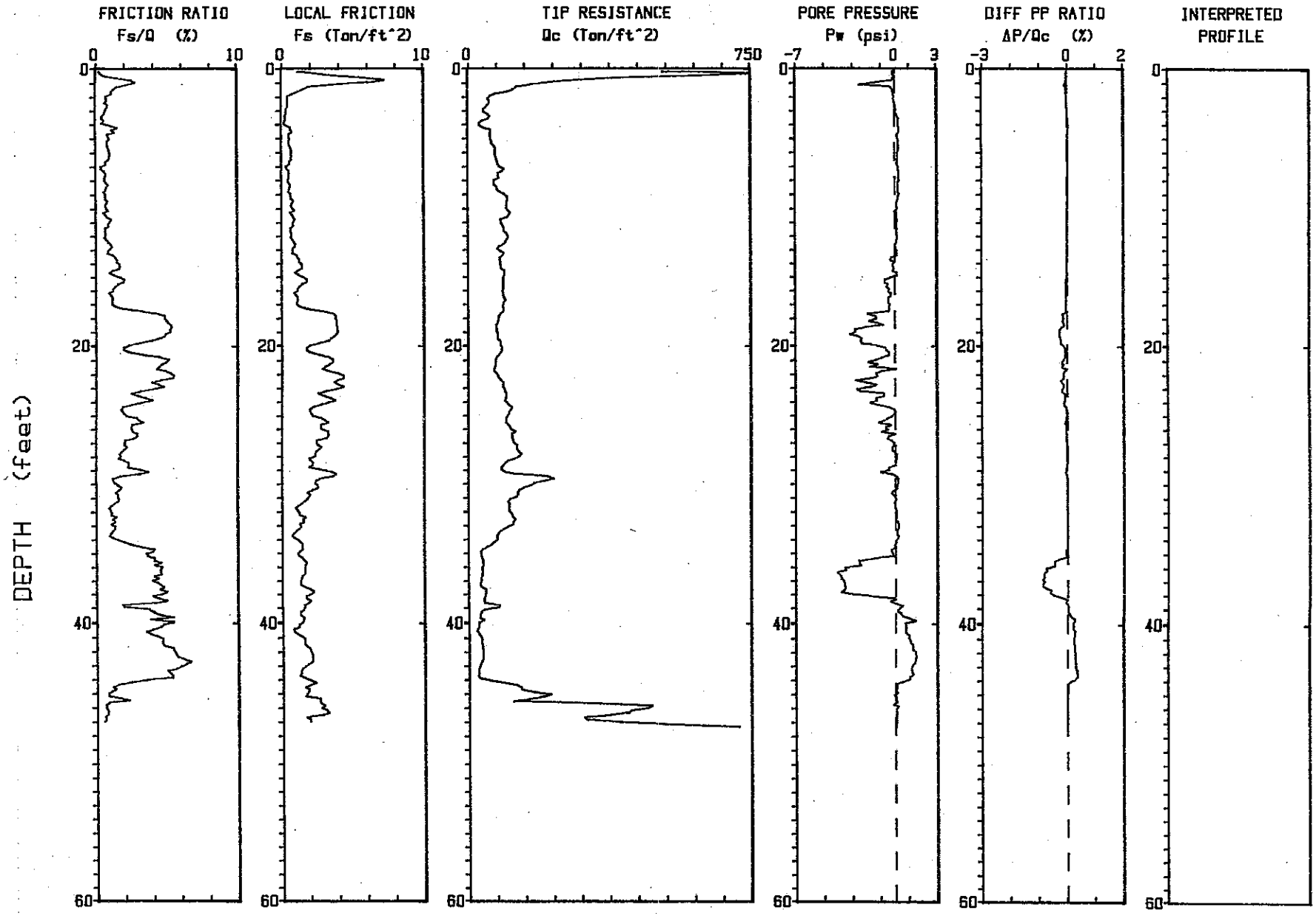


Depth Increment : .05 m Max Depth : 45.60 ft

V B I

Operator : VIRGIL A. BAKER CPT Date : 03-09-94 13:55 Sounding : 94ZO19 Pg 1 / 1

Location : CPT-39 Cone Used : HO 322 TC - U2 Job No. : VALLEY VIEW MED.

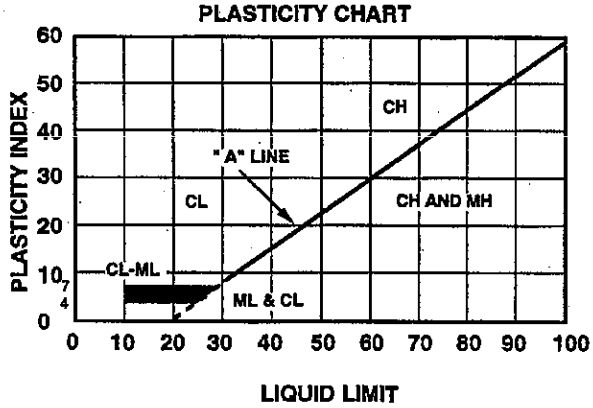


Depth Increment : .05 m Max Depth : 47.41 ft

SAMPLE CLASSIFICATION CHART

UNIFIED SOIL CLASSIFICATION SCHEME			
MAJOR DIVISIONS		**SYMBOLS**	**TYPICAL NAMES**
COARSE GRAINED SOIL (More than 1/2 of soil >no. 200 sieve size)	GRAVELS (More than 1/2 of coarse fraction > no. 4 sieve size)	GW	Well-graded gravels and gravel-sand mixtures, little or no fines
		GP	Poorly graded gravel or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	SAND (More than 1/2 of coarse fraction < no. 4 sieve size)	SW	Well-graded sands or gravelly sands, little or no fines
		SP	Poorly-graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
FINE GRAINED SOIL (More than 1/2 of soil <no. 200 sieve size)	SILTS & CLAYS Liquid Limit < 50	ML	Inorganic silts and very fine sands, rock flour, silty or clayey, fine sands or clayey silts with slight plasticity
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		OL	Organic silts and organic silty clays of low plasticity
	SILTS & CLAYS Liquid Limit > 50	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS		Pt	Peat and other highly organic soils

PLASTICITY CHART



GRAIN SIZE CLASSIFICATION		
CLASSIFICATION	**RANGE OF GRAIN SIZES**	
	U.S. Standard Sieve Size	**Grain Size in Millimeters**
BOULDERS	Above 12"	Above 305
COBBLES	12" to 3"	305 to 76.2
GRAVEL coarse (c) fine (f)	3" to No. 4 3" to 3/4" 3/4" to No. 4	76.2 to 4.76 76.2 to 19.1 19.1 to 4.76
SAND coarse (c) medium (m) fine (f)	No. 4 to No. 200 No. 4 to No. 10 No. 10 to No. 40 No. 40 to No. 200	4.76 to 0.074 4.76 to 2.00 2.00 to 0.420 0.420 to 0.074
SILT & CLAY	Below No. 200	Below 0.074

MOISTURE CONTENT	
DRY	-No sign of water and soil dry to touch
MOIST	-Signs of water and soil is relatively dry to touch
WET	-Signs of water and soil definitely wet to touch; granular soil exhibits some free water when densified

SOIL CONSISTENCY/RELATIVE DENSITY				
SILT, SAND AND GRAVEL	**BLOWS/FT**	**SILT OR CLAY**	**UNCONFINED COMPRESSIVE STRENGTH (psf)**	**THUMB PENETRATION**
Very loose	<4	Very Soft	< 500	Very easily - inches
Loose	5-10	Soft	500 - 1000	Easily - inches
Medium Dense	11-30	Medium (firm)	1000 - 2000	Moderate effort - inches
Dense	31-50	Stiff	2000 - 4000	Indented easily
Very Dense	>50	Very Stiff	4000 - 8000	Indented by nail
		Hard	> 8000	Difficult by nail

CLASSIFICATION MODIFIERS	
TRACE	0 - 12%
SOME	12 - 30%
± MODIFIERS	

URS

Figure B – 1

5/25/07 JGLOG94 9693E

Project: PARKING STRUCTURE #2
Location: VMC

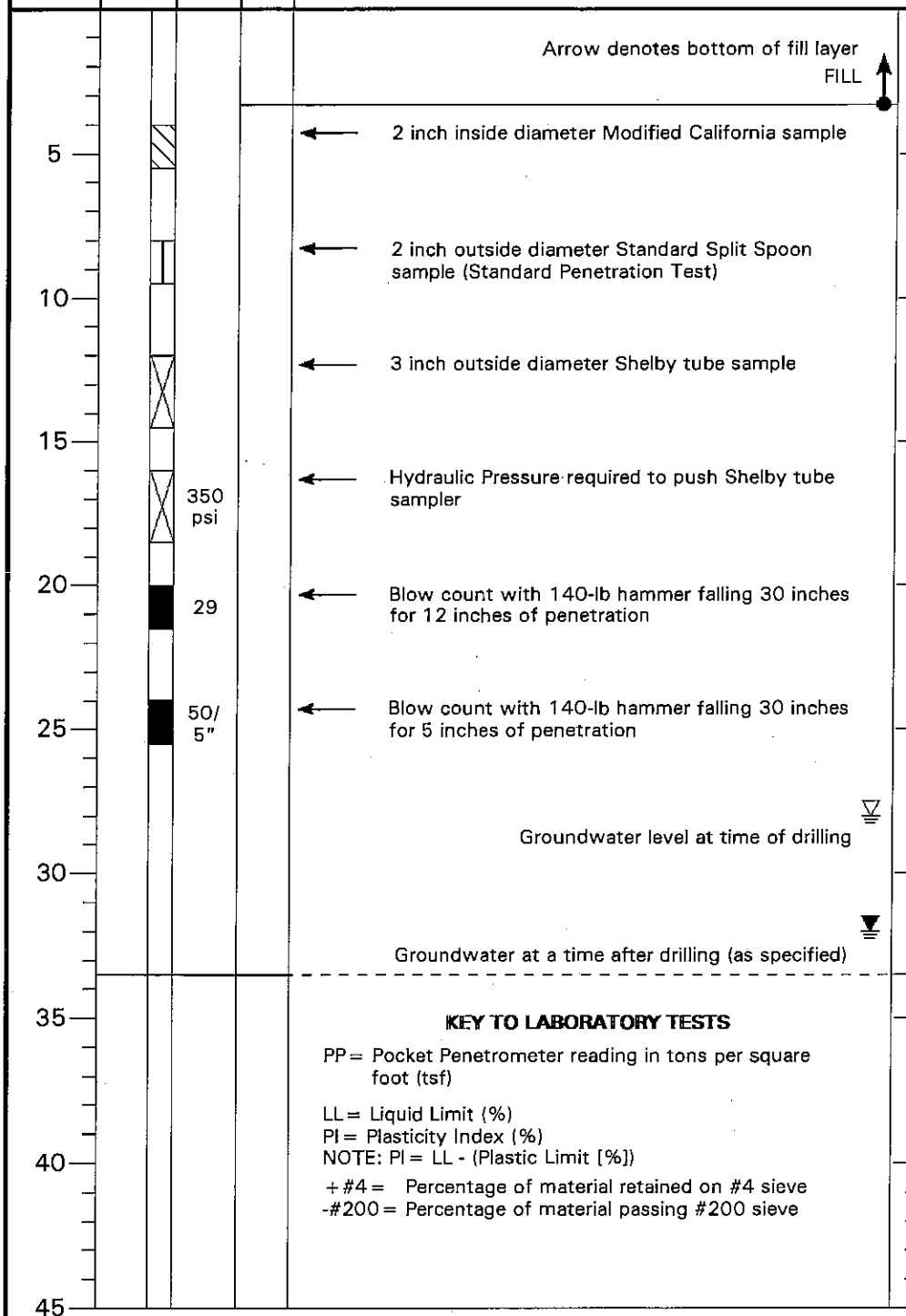
Log of Boring LEGEND

Date Drilled:
Type of Boring: (as noted)
Hammer/drop: (as noted)

Remarks:

Surface Elevation: feet (approx.)

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests/ Remarks



Arrow denotes bottom of fill layer
FILL

← 2 inch inside diameter Modified California sample

← 2 inch outside diameter Standard Split Spoon sample (Standard Penetration Test)

← 3 inch outside diameter Shelby tube sample

← Hydraulic Pressure required to push Shelby tube sampler

← Blow count with 140-lb hammer falling 30 inches for 12 inches of penetration

← Blow count with 140-lb hammer falling 30 inches for 5 inches of penetration

Groundwater level at time of drilling

Groundwater at a time after drilling (as specified)

KEY TO LABORATORY TESTS

PP = Pocket Penetrometer reading in tons per square foot (tsf)

LL = Liquid Limit (%)
PI = Plasticity Index (%)
NOTE: PI = LL - (Plastic Limit [%])

+#4 = Percentage of material retained on #4 sieve
-#200 = Percentage of material passing #200 sieve

PP = 3.0tsf

LL = 42
PI = 21

+#4 = 13%
-#200 = 10%

PARKING STRUCTURE #2; SCVHHS

BORING LOCATION:			GROUND SURFACE ELEVATION (ft): 143.9 TOP OF WELL CASING ELEVATION (ft): N/A
DRILLING AGENCY	Exploration Geoservices, Inc.	DRILLER N/A	DATE STARTED: 2/7/07 DATE FINISHED: 2/7/07
DRILLING EQUIPMENT	Mobile B53		COMPLETION DEPTHS: BORING: 50.0 (ft) WELL: N/A (ft)
DRILLING METHOD	Hollow Stem Auger	DRILL BIT 8 inch	HAMMER/ DROP: 140lb/30in - Wire Winch
SIZE AND TYPE OF CASING	N/A		NUMBER OF SAMPLES: DIST: 1 UNDIST: 15
TYPE OF PERFORATION	N/A	FROM N/A TO N/A	WATER DEPTH (ft): FIRST: N/A ▽ COMPL.: N/A ▽ 24 hr.: N/A ▽
SIZE AND TYPE OF PACK	N/A	FROM N/A TO N/A	LOGGED BY: M.Thummaluru CHECKED BY:

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0	50'	No. 3: N/A	N/A	N/A
	No. 2: N/A	N/A	N/A	No. 4: N/A	N/A	N/A

LOG OF BORING 47

(Sheet 1 of 2)

DEPTH (feet)	SOIL GRAPHIC	MATERIAL DESCRIPTION	ELEVATION (feet)	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE, %	FIELD TESTS: WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
		4 inches Aggregate Base														
		Sandy lean CLAY (CL) Medium, moist, brown, trace fine gravel														
		Silty SAND (SM) with gravel Medium dense, moist, brown	140						1		50	13				
									2		60	21	5	110		
5		Loose, cemented				2.0		5	3		20	34				
									4		40	11	5	109	3090	
		With some fine gravel Medium dense, light yellowish brown	135						5		50	14				
									6		70	25				
10		Loose, no gravel						10	7		60	31				
			130						8		70	10				
15		**Sandy lean CLAY (CL)** Very stiff, moist, brown, with fine roots				8.7		15	9		75	18	16	111	4180	
			125													
20		Less sand				10.0		20	10		60	26	18	110	4740	
			120													
25		Stiff, increase in sand content				9.7		25	11		60	18	19	106	3040	
			115													
30		**Clayey SAND (SC) with gravel** Medium dense, moist, light yellowish brown						30	12		60	22				
			110													
35		**Lean CLAY (CL) with sand** Medium, moist, yellowish brown				10.0		35	13		70	19	23	99	1890	
			105													

URS

PROJECT NO. 28649854

Figure: B-3

5/16/07 JG04_VMC 9693E

PARKING STRUCTURE #2; SCVHHS

LOG OF BORING 47

Continued- Sheet 2 of 2

DEPTH (feet)	SOIL GRAPHIC	MATERIAL DESCRIPTION	ELEVATION (feet)	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE, %	FIELD TESTS: WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
		Very stiff, less sand				10.0			14		75	17	22	105	4510	
		Sandy, silty CLAY (CL-ML) Medium, moist, light brownish yellow	100													
45						5.2		45	15		70	27	23	101	1660	
		Poorly graded SAND (SP) Medium dense to dense, moist, light yellowish brown	95						16		70	37				
50		BOTTOM OF BORING AT 50 FEET Boring dry ATD						50								
55			90					55								
60			85					60								
65			80					65								
70			75					70								
75			70					75								
80			65					80								
85			60					85								
90			55					90								

URS

PROJECT NO. 28649854

Figure: B-3

5/16/07 JG04_VMC 9693E

PARKING STRUCTURE #2; SCVHHS

BORING LOCATION:			GROUND SURFACE ELEVATION (ft): 143.8 TOP OF WELL CASING ELEVATION (ft): N/A
DRILLING AGENCY	Exploration Geoservices, Inc.	DRILLER N/A	DATE STARTED: 2/7/07 DATE FINISHED: 2/7/07
DRILLING EQUIPMENT	Mobile B53		COMPLETION DEPTHS: BORING: 56.5 (ft) WELL: N/A (ft)
DRILLING METHOD	Hollow Stem Auger	DRILL BIT 8 inch	HAMMER/ DROP: 140lb/30in - Wire Winch
SIZE AND TYPE OF CASING	N/A		NUMBER OF SAMPLES: DIST: 2 UNDIST: 16
TYPE OF PERFORATION	N/A	FROM N/A TO N/A	WATER DEPTH (ft): FIRST: N/A ▽ COMPL.: N/A ▽ 24 hr.: N/A ▽
SIZE AND TYPE OF PACK	N/A	FROM N/A TO N/A	LOGGED BY: M.Thummaluru CHECKED BY:

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0	56.5'	No. 3: N/A	N/A	N/A
	No. 2: N/A	N/A	N/A	No. 4: N/A	N/A	N/A

LOG OF BORING 48

(Sheet 1 of 2)

DEPTH (feet)	SOIL GRAPHIC	MATERIAL DESCRIPTION	ELEVATION (feet)	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE,%	FIELD TESTS: WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pct)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
		4 inches Aggregate Base														
		Sandy lean CLAY (CL) FILL Very stiff, moist, light brown, trace fine gravel, 1 inch abandoned PVC pipe at 2-1/2 feet, fine roots				5.2			1		50	27	8	121	5440	
		FILL	140						2		60	19				
5		**Silty SAND (SM)** Loose, moist, light brownish yellow, trace multicolored gravel						5	3		55	14	6	96		
		With gravel							4		60	16				
		Trace fine gravel, fine roots	135						5		70	9				
10								10	6		50	6	5	98		
									7			14	7	102		
		SILT (ML) Medium, moist, brown	130						8			13				
15		**Sandy lean CLAY (CL)** Very stiff, moist, brown		>4.5				15	9			21				
			125													
20		Some fine gravel		>4.5		4.7		20	10		70	32	14	109	5590	
			120													
25		**Sandy, silty CLAY (CL-ML)** Very stiff, moist, yellowish brown with gray sand lenses		4.0				25	11		70	21				
		With orange and gray sand lenses	115													
30		**Sandy SILT (ML)** Stiff, moist, light yellow, trace fine gravel		3.5				30	12		60	27				
		Sandy lean CLAY (CL) Stiff, moist, brown with occasional black speckling, sand lenses	110													
35				3.3				35	13			30				
			105													

URS

PROJECT NO. 28649854

Figure: B-4

PARKING STRUCTURE #2; SCVHHS

LOG OF BORING 48

Continued- Sheet 2 of 2

DEPTH (feet)	SOIL GRAPHIC	MATERIAL DESCRIPTION	ELEVATION (feet)	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE, %	FIELD TESTS: WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
45		Very stiff, brownish yellow	100	4.3		8.7		45	14		60	43	20	106	5710	
		Lean CLAY (CL) Soft, moist, gray brown with orange speckling		0.7		10.0			15		60	11	29	90	1520	
		With sand lenses, and trace gravel		> 4.5					16		60	38				
50		**Silty SAND (SM)** Very dense, moist, reddish brown	95					50	17		35	50/ 6"				
		Poorly graded GRAVEL (GP) with sand Very dense, moist, light yellowish brown	90													
55								55	18		35	50/ 6"				
		BOTTOM OF BORING AT 56-1/2 FEET Boring dry ATD	85													
60			80					60								
65			75					65								
70			70					70								
75			65					75								
80			60					80								
85			55					85								
90								90								

URS

PROJECT NO. 28649854

Figure: B-4

PARKING STRUCTURE #2; SCVHHS

BORING LOCATION:			GROUND SURFACE ELEVATION (ft): 141.0 TOP OF WELL CASING ELEVATION (ft): N/A
DRILLING AGENCY	Exploration Geoservices, Inc.	DRILLER N/A	DATE STARTED: 2/8/07 DATE FINISHED: 2/8/07
DRILLING EQUIPMENT	Mobile B53		COMPLETION DEPTHS: BORING: 70.0 (ft) WELL: N/A (ft)
DRILLING METHOD	Hollow Stem Auger	DRILL BIT B inch	HAMMER/ DROP: 140lb/30in - Wire Winch
SIZE AND TYPE OF CASING	N/A		NUMBER OF SAMPLES: DIST: 5 UNDIST: 15
TYPE OF PERFORATION	N/A	FROM N/A TO N/A	WATER DEPTH (ft): FIRST: 65 ▽ COMPL.: 60 ▽ 24 hr.: N/A ▽
SIZE AND TYPE OF PACK	N/A	FROM N/A TO N/A	LOGGED BY: M.Thummaluru CHECKED BY:

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0	70'	No. 3: N/A	N/A	N/A
	No. 2: N/A	N/A	N/A	No. 4: N/A	N/A	N/A

LOG OF BORING 53

(Sheet 1 of 2)

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet)	FIELD TESTS: POCKET PEN (tsf)	POCKET TV (psf)	STRAIN AT FAILURE,%	WATER LEVEL	SAMPLES: DEPTH (feet)	NUMBER	TYPE	RECOVERY (%)	BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	DRY DENSITY (pcf)	UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
	4 inches Aggregate Base														
	Sandy lean CLAY (CL) Very stiff, moist, brown to black, trace fine gravel	140			5.8			1		45	47	11	125	10980	
	Stiff, brownish yellow				1.6			2		25	19	9	110	12870	LL=27 PI=8
5							5	3		40	23	6	104		
	Silty SAND (SM) with gravel Medium dense, moist, brown	135						4			27				
								5		65	18				
	Loose, more gravel, size up to 1 inch							6		45	8	4			
10	Medium dense						10	7		50	13				
		130						8		60	10				
	Sandy, silty CLAY (CL-ML) Stiff, moist, brown														
	Sandy lean CLAY (CL) Stiff, moist, dark brown to black				9.0			9		60	17	13	114	4950	
15							15								
	Very stiff	125	3.0					10		70	25				
20							20								
	Silty SAND (SM) Medium dense, moist, reddish brown, cemented	120													
	Sandy, silty CLAY (CL-ML) Very stiff, moist, yellowish brown		3.3					11		70	21				
25		115					25								
					5.0			12		65	19	17	110	2640	
30							30								
	Stiff	110	2.0		9.5			13		70	24	18	109	2990	
35							35								
	Orange brown with black speckling	105													
	Reddish brown to gray with orange speckling		2.5		8.6			14		70	18	24	103	1330	

URS

PROJECT NO. 28649854

Figure: B-10

5/16/07 JG04_VMC 9693E

PARKING STRUCTURE #2; SCVHHS

LOG OF BORING 53

Continued- Sheet 2 of 2

DEPTH (feet)	SOIL GRAPHIC	MATERIAL DESCRIPTION	ELEVATION (feet)	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE, %	FIELD TESTS: WATER LEVEL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
45		**Poorly graded SAND (SP-SM) with silt and gravel** Very dense, moist, light yellowish brown	100 95	>4.5				15		65	35				
50		**Poorly graded GRAVEL (GP) with sand** Very dense, moist, light brown	90					16		70	50/5"				
55			85					17		60	50/5"				
60			80				▼	18		60	70				
65			75				▽	19		55	44				
70		BOTTOM OF BORING AT 70 FEET	70					20		50	53				
75			65												
80			60												
85			55												
90			50												

URS

PROJECT NO. 28649854

Figure: B-10

Project: SCVMC North Tower Building

Log of Boring No. 2

Date Drilled: 7/7/92
Type of Boring: 4-7/8" Rotary Wash
Hammer: Donut - 140 lbs, 30 inch drop

Remarks:

Surface Elevation: 144 feet

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests
				PAVEMENT SECTION 4" ASPHALT CONCRETE OVER 6" AGGREGATE BASE				
				SILTY CLAY (CL) Medium, damp, dark brown				
5	1	11			21	93	1630	
10	2	9		Sandy Clay (CL) with fine lens of dark brown sand	16	108	1740	
15	3	10			21	104	1610	PP = 1.0tsf
20	4	18		SILTY CLAY (CL) Medium to stiff, moist, dark brown	20	107	1910	PP = 2.5tsf
25	5	25		CLAYEY SILT (ML) Stiff, moist, brown, with fine to coarse sand	18	107	2340	
30	6	30		Trace sand and gravel	18	113	2570	PP = 2.5tsf
35	7	47		SILTY SAND (SM-ML) Dense, brown and gray, medium to coarse, with some fine gravel and some less silty lenses				
40	8	47		SILTY CLAY (CL) Medium to stiff, moist to wet, olive brown with fine sand				
45	9	22		SILTY CLAY (CL)-Continued	22	106	930	
50	10	29		SILTY CLAY (CL) Stiff, moist, mottled gray and gray-brown				
55								

Project: SCVMC North Tower Building

Log of Boring No. 2 Continued

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests
60	11	50/4"		SILTY SAND (SM-ML) Very dense, gray and brown, with trace fine gravel				
65				SILTY CLAY (CL) Very stiff, moist, orange-brown				
70	12	50/4.5		CLAYEY SAND (SC) Very dense, brown, fine to coarse, with some gravel				
75				lens of Silty Clay (CL)				
80	13	50/4.5		Silty Sand (SM) BOTTOM OF BORING AT 80.5 FEET				
85								
90								
95								
100								
105								
110								
115								

Project: SCVMC North Tower Building

Log of Boring No. 3

Date Drilled: 7/1/92
Type of Boring: 4-7/8" Rotary Wash
Hammer: Donut - 140 lbs, 30 inch drop

Remarks: South east of Building H-9
Surface Elevation: 143 feet

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests
				PAVEMENT SECTION 4" ASPHALT CONCRETE OVER 6" AGGREGATE BASE				
				SILTY GRAVEL (GM) FILL Moderately compacted, dry, brown, gravel to 3/4", with some sand				
5	1	16		FILL CLAYEY SILT (ML) Stiff, damp, brown, with trace fine sand Sandier with depth	16		-	
10	2	10		SILTY SAND (SP-SM) Loose to medium dense, brown, fine to medium, with lenses of Clayey Silt (ML)	17	109	-	
				CLAYEY SILT (ML) Medium, moist, brown, with trace fine sand				
15	3	10		SILTY CLAY (CL-ML) Medium, moist, brown	24	98	1100	PP=1.0tsf
20	4	22		SANDY CLAY (CL) Stiff to very stiff, moist, dark brown, with fine to coarse sand and trace fine gravel	17	114	3730	PP=1.75tsf
25	5	19		Lens of Clayey Sand (SC-CL) with gravel SILTY CLAY (CL) Stiff, damp, dark brown, with trace fine sand	20	105	2350	PP=3.0tsf
30	6	50/5"		Fine gravel				
35	7	50/4"		CLAYEY SAND (SC) Very dense, moist, brown, with fine sand, trace silt				
40								
45	8	27		SILTY CLAY (CL) Very stiff, damp, yellow-brown, slighty mottled	20	107	4170	
				SILTY CLAY (CL)- Continued				
50	9	32						
55								

9/15/93 JGLOG 0846R

Project: SCVMC North Tower Building

Log of Boring No. 11

Date Drilled: 7/14/93
Type of Boring: 8" Hollow Stem Auger
Hammer: 140 lb

Remarks:

Surface Elevation: 143 feet

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests
0				CLAYEY SILT (ML) Moist, dark brown, trace fine sand				
5								
10				Increase in clay				
15				SILTY CLAY (CL) Stiff, moist, dark brown, with trace fine gravel				
20	1	11		Little lighter in color	23	104	2200	
25	2	18		With some very thin lenses fine sand, trace fine gravels				
30	3	12		Medium, brown, no gravel	21	104	1670	
35	4	17		Stiff Sandy silt lense in #4 tube, trace small gravel in areas (occasional)				
40	5	18		CLAYEY SILT (ML) Stiff, moist, light gray/orange brown mottled				
45	6	14		SILTY FINE SAND (SM) Medium dense, wet, gray brown SILTY CLAY (CL) Stiff, moist, light gray/orange brown (mottled), with interbedded lenses of Clayey Silt (ML), gray/brown	31	91	2510	
50	7	32		SILTY SAND (SM) Dense, moist, orange brown/gray mottled				
55				SANDY GRAVEL (GW) Very dense, damp, gray/brown				

Project: SCVMC North Tower Building

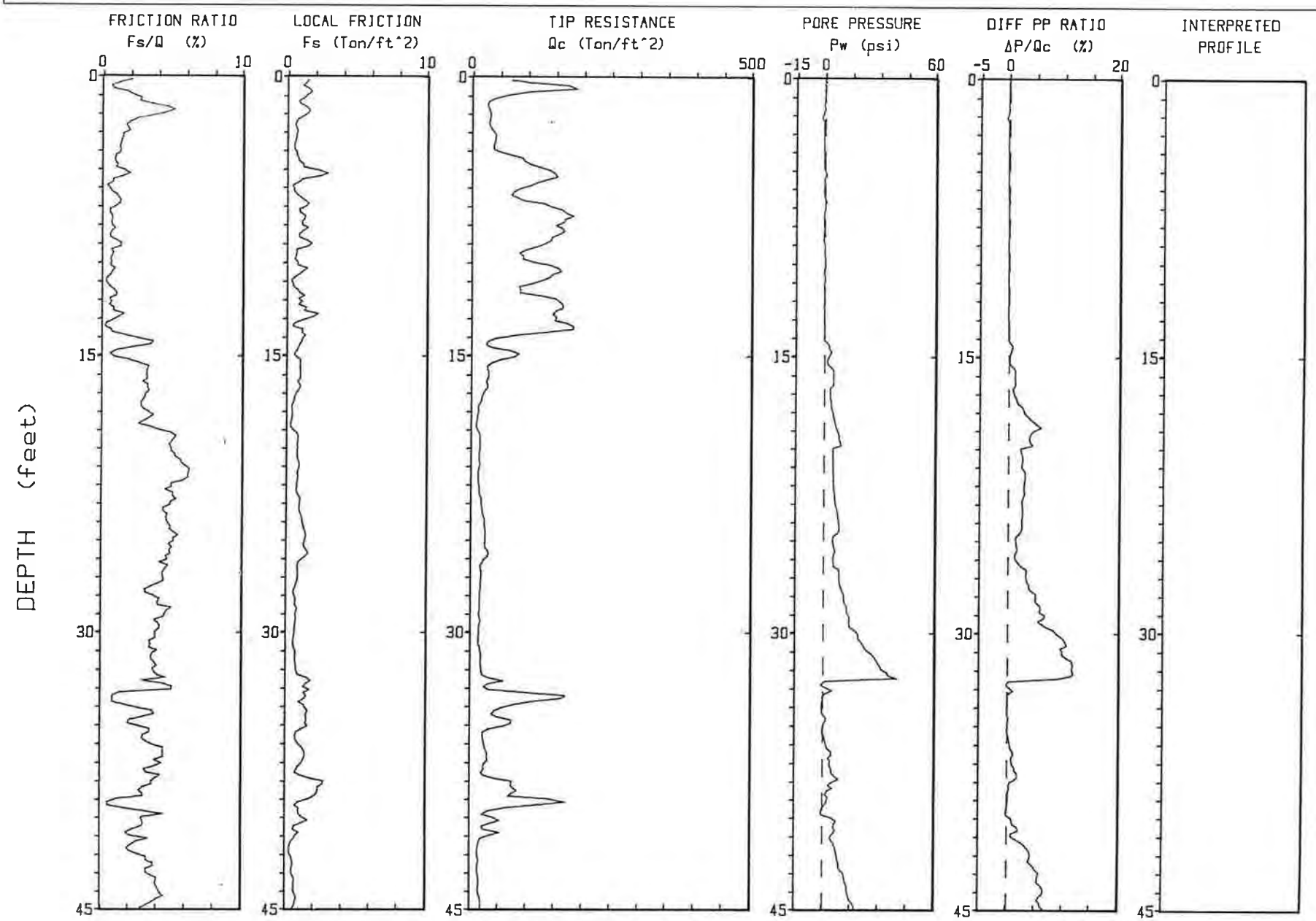
Log of Boring No. 11 Continued

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests
60	8	58/6"		SANDY GRAVEL (GW) Very dense, damp, gray/brown				
	9	54						
65	10	30		CLAYEY SILT (ML) Very stiff, moist, light gray/orange brown				
				SILTY CLAY (CL) Stiff, moist, dark gray	22	104	3610	
70	11	22		Becomes mottled orange brown/light gray, siltier with some very fine sand	19	107	2300	
75	12	26		Gray, with trace small gravel	16	115	3790	
80	13	37		Becomes light gray/orange brown, with some lenses clayey silt Trace small gravel				
85	14	27			21	109	2690	
90	15	22						
95	16	31		SILTY SAND (SM)-Medium dense, dark gray/brown SANDY GRAVEL (GW)-Medium dense, dark gray SANDY SILT (ML)-Medium dense, gray/brown, with trace clay				
100	17	83		SANDY GRAVEL (GW)-Very dense, gray/brown				
				BOTTOM OF BORING AT 101-1/2 FEET				
105								
110								
115								

V B I

Operator : VIRGIL A. BAKER CPT Date : 07-21-93 11:23 Sounding : 93Z131 Pg 1 / 2

Location : CPT-1A Cone Used : HO 322 - U2 Job No. : 91C-0846R

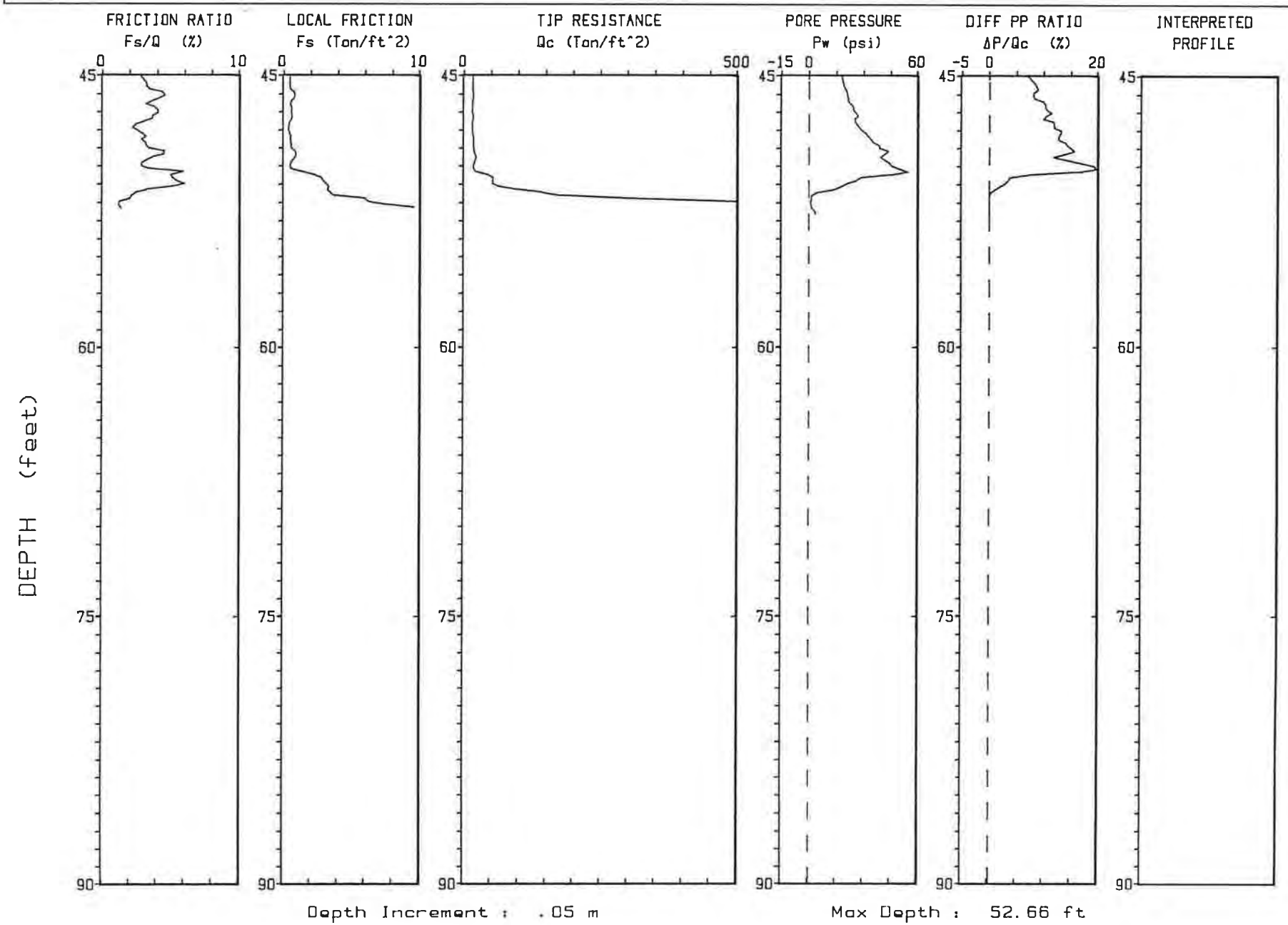


Depth Increment : .05 m Max Depth : 52.66 ft

V B I

Operator : VIRGIL A. BAKER CPT Date : 07-21-93 11:23 Sounding : 93Z131 Pg 2 / 2

Location : CPT-1A Cone Used : HO 322 - U2 Job No. : 91C-0846R

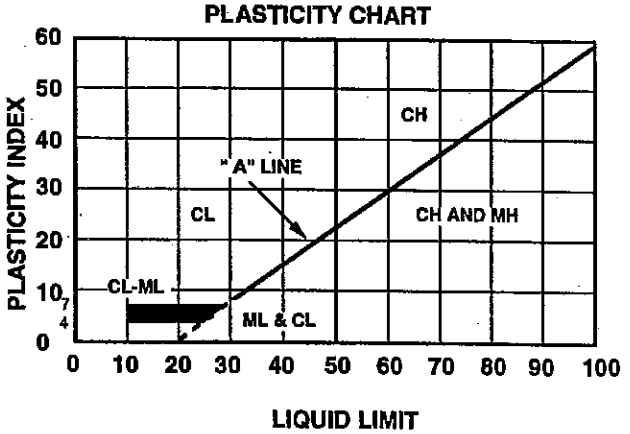


Depth Increment : .05 m Max Depth : 52.66 ft

SAMPLE CLASSIFICATION CHART

UNIFIED SOIL CLASSIFICATION SCHEME			
MAJOR DIVISIONS		**SYMBOLS**	**TYPICAL NAMES**
COARSE GRAINED SOIL (More than 1/2 of soil >no. 200 sieve size)	**GRAVELS** (More than 1/2 of coarse fraction > no. 4 sieve size)	GW	Well-graded gravels and gravel-sand mixtures, little or no fines
		GP	Poorly graded gravel or gravel-sand mixtures, little or no fines
		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	SAND (More than 1/2 of coarse fraction < no. 4 sieve size)	SW	Well-graded sands or gravelly sands, little or no fines
		SP	Poorly-graded sands or gravelly sands, little or no fines
		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
FINE GRAINED SOIL (More than 1/2 of soil <no. 200 sieve size)	**SILTS & CLAYS** Liquid Limit < 50	ML	Inorganic silts and very fine sands, rock flour, silty or clayey, fine sands or clayey silts with slight plasticity
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		OL	Organic silts and organic silty clays of low plasticity
	SILTS & CLAYS Liquid Limit > 50	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS		Pt	Peat and other highly organic soils

PLASTICITY CHART



GRAIN SIZE CLASSIFICATION		
CLASSIFICATION	**RANGE OF GRAIN SIZES**	
	U.S. Standard Sieve Size	**Grain Size in Millimeters**
BOULDERS	Above 12"	Above 305
COBBLES	12" to 3"	305 to 76.2
GRAVEL coarse (c) fine (f)	3" to No. 4 3" to 3/4" 3/4" to No. 4	76.2 to 4.76 76.2 to 19.1 19.1 to 4.76
SAND coarse (c) medium (m) fine (f)	No. 4 to No. 200 No. 4 to No. 10 No. 10 to No. 40 No. 40 to No. 200	4.76 to 0.074 4.76 to 2.00 2.00 to 0.420 0.420 to 0.074
SILT & CLAY	Below No. 200	Below 0.074

MOISTURE CONTENT	
DRY	-No sign of water and soil dry to touch
MOIST	-Signs of water and soil is relatively dry to touch
WET	-Signs of water and soil definitely wet to touch; granular soil exhibits some free water when densified

SOIL CONSISTENCY/RELATIVE DENSITY				
SILT, SAND AND GRAVEL	**BLOWS/FT**	**SILT OR CLAY**	**UNCONFINED COMPRESSIVE STRENGTH (psf)**	**THUMB PENETRATION**
Very loose	<4	Very Soft	< 500	Very easily - inches
Loose	5-10	Soft	500 - 1000	Easily - inches
Medium Dense	11-30	Medium (firm)	1000 - 2000	Moderate effort - inches
Dense	31-50	Stiff	2000 - 4000	Indented easily
Very Dense	>50	Very Stiff	4000 - 8000	Indented by nail
		Hard	> 8000	Difficult by nail

CLASSIFICATION MODIFIERS	
TRACE	0 - 12%
SOME	12 - 30%
± MODIFIERS	

URS

Figure B - 1

Project: Service Building Replacement
Location: SCVMC

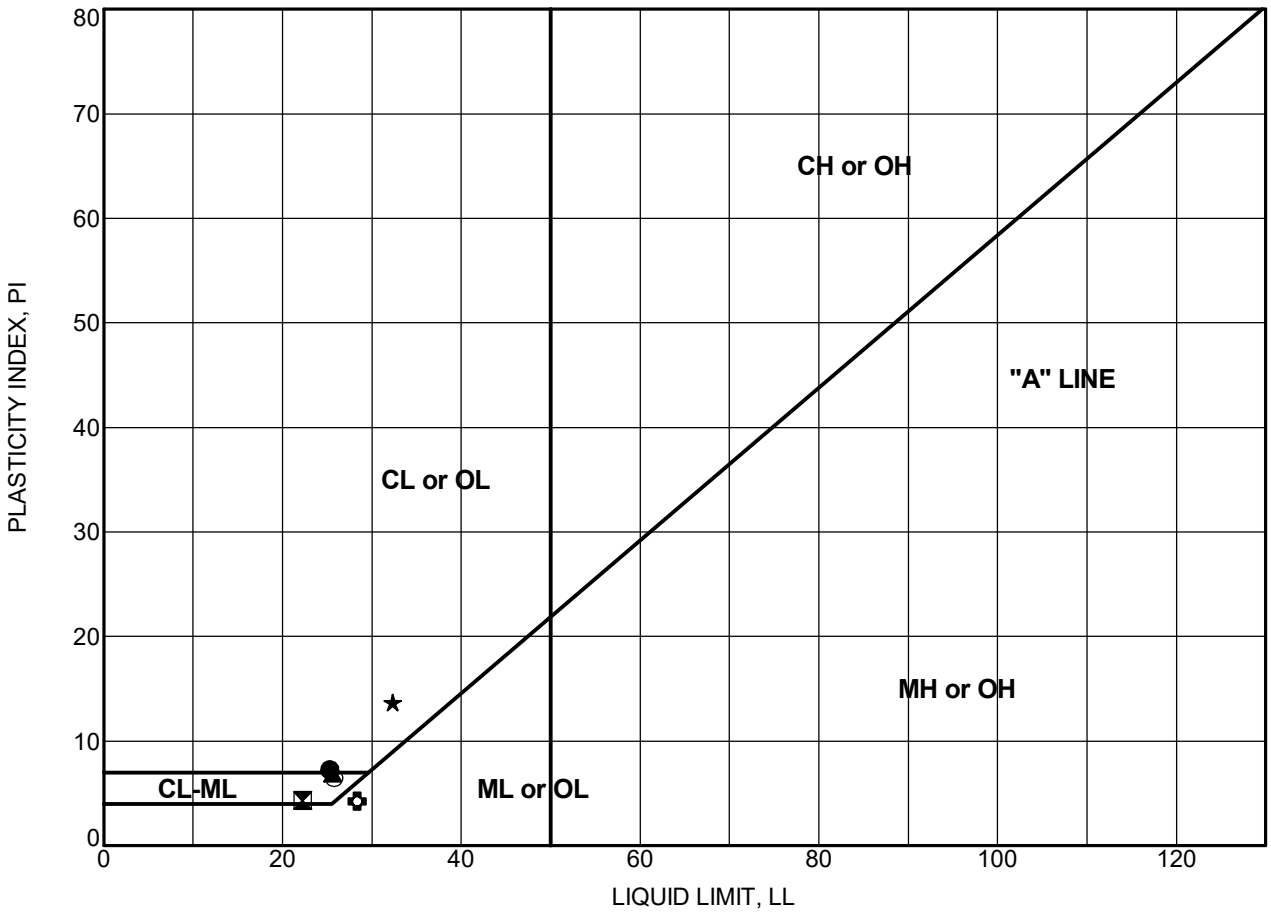
Log of Boring LEGEND

Date Drilled:
Type of Boring: (as noted)
Hammer/drop: (as noted)

Remarks:

Surface Elevation: feet (approx.)

Depth, Feet	Samples	Blows/Ft	Graphic Log	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, pcf	Unconfined Compressive Strength, psf	Other Tests/ Remarks
				Arrow denotes bottom of fill layer FILL				
5				← 2 inch inside diameter Modified California sample				
10				← 2 inch outside diameter Standard Split Spoon sample (Standard Penetration Test)				
				← 3 inch outside diameter Shelby tube sample				
15		350 psi		← Hydraulic Pressure required to push Shelby tube sampler				
20		29		← Blow count with 140-lb hammer falling 30 inches for 12 inches of penetration				
25		50/ 5"		← Blow count with 140-lb hammer falling 30 inches for 5 inches of penetration				
				▽ Groundwater level at time of drilling				
30				▼ Groundwater at a time after drilling (as specified)				
35				**KEY TO LABORATORY TESTS** PP= Pocket Penetrometer reading in tons per square foot (tsf)				PP=3.0tsf
				LL= Liquid Limit (%) PI= Plasticity Index (%) NOTE: PI= LL - (Plastic Limit [%])				LL=42 PI=21
40				+#4= Percentage of material retained on #4 sieve -#200= Percentage of material passing #200 sieve				+#4=13% -#200=10%
45								



Boring Number	Sample Number	Depth (feet)	Test Symbol	Moisture Content (%)	LL	PL	PI	Description
SBR-01	9	30.7	●	16	25	18	7	Silty CLAY (CL-ML)
SBR-02	7	19.2	⧓	13	22	18	4	Silty CLAY (CL-ML)
SBR-03	8	24.2	▲	16	26	19	7	Silty CLAY (CL-ML)
SBR-04	7	20.7	★	16	32	19	13	Lean CLAY (CL)
SBR-05	8	25.7	⊙	17	26	19	7	Silty CLAY (CL-ML)
SBR-06	6	15.7	✿	10	28	24	4	SILT (ML)

Project: Service Building Replacement
Project Number: 28645159

PLASTICITY CHART

Figure B-3

URS

5/10/10 JSIEVE 28645159-VMC-SBR.GPJ

Project : Service Building Replacement
Project No. 28645159

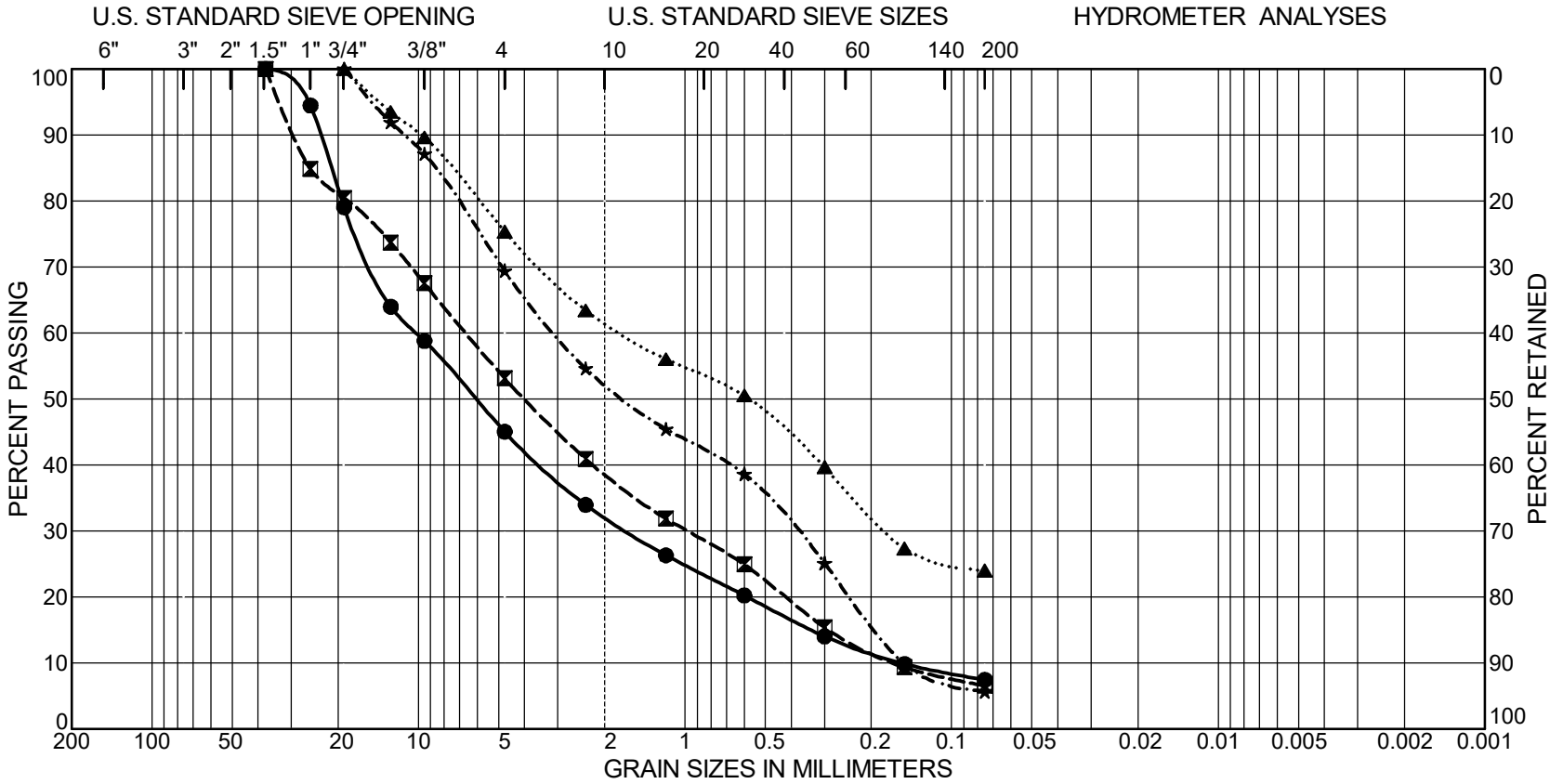
GRAIN SIZE DISTRIBUTION CURVES

Fig. B-4

URS

UNIFIED SOIL CLASSIFICATION

COBBLES	GRAVEL		SAND			SILT AND CLAY
	coarse	fine	coarse	medium	fine	



Boring Number	Sample Number	Depth (feet)	Symbol	LL	PI	Classification
SBR-01	5	11	●			Well-graded GRAVEL (GW-GM) with silt and sand
SBR-02	6	14	⊠			Poorly graded GRAVEL (GP-GM) with silt and sand
SBR-05	10	36	▲			Silty SAND with gravel (SM)
SBR-12	4	8	★			Poorly graded SAND (SP-SM) with silt and gravel

Service Building Replacement

BORING LOCATION: Service Building Replacement - #28645159			GROUND SURFACE ELEVATION (ft): 146.5 approx TOP OF WELL CASING ELEVATION (ft): N/A
DRILLING AGENCY	Exploration Geoservices, Inc.	DRILLER John	DATE STARTED: 3/16/10 DATE FINISHED: 3/16/2010
DRILLING EQUIPMENT	Mobile B56		COMPLETION DEPTHS BORING: 75.0 (ft) WELL: N/A (ft)
DRILLING METHOD	Hollow Stem Auger	DRILL BIT 8 inch	HAMMER/ DROP 140lb/30in - Wirewinch
SIZE AND TYPE OF CASING	N/A		NUMBER OF SAMPLES DIST: 5 UNDIST: 13
TYPE OF PERFORATION	N/A	FROM N/A TO N/A	WATER DEPTH (ft) FIRST: N/A ▽ COMPL.: N/A ▽ 24 hr.: N/A
SIZE AND TYPE OF PACK	N/A	FROM N/A TO N/A	LOGGED BY C.Rambo / CHECKED BY

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0	75'	No. 3: N/A	N/A	N/A
	No. 2: N/A	N/A	N/A	No. 4: N/A	N/A	N/A

LOG OF BORING SBR-1

(Sheet 1 of 3)

DEPTH (feet)	SOIL GRAPHIC	MATERIAL DESCRIPTION	ELEVATION (feet) approx	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE, %	FIELD TESTS: WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
		6 inches Asphalt Concrete over 6 inches Aggregate Base														
		Sandy lean CLAY (CL) with gravel Stiff, moist, dark brown	145						1		65	15				
		Lean CLAY (CL) Medium stiff, moist, brown							2			11				pH = 7.8 Sulfate not detected Chloride = 75 ppm
5		**Poorly graded SAND (SP-SM) with silt and gravel** Medium dense, moist, brown						5	3		85	12				
		Lean CLAY (CL) with gravel Medium stiff, moist, brown	140						4		65	20				
		Well graded GRAVEL with silt and sand (GW-GM) Medium dense, moist, brown, gravel to 3 inch diameter														
10		Dense						10	5		65	31	3			+#4=55% -#200=7%
			135													
15		**Lean CLAY (CL)** Stiff, moist, brown						15	6		70	13				
			130													
20						13.7		20	7		75	15	16	114	2580	
			125													
25		**Poorly graded SAND (SP-SM) with silt and**						25	8		60	48				

URS

PROJECT NO. 28645159 | **Figure: B-6**

Service Building Replacement

LOG OF BORING SBR-1

Continued- Sheet 2 of 3

DEPTH (feet)	SOIL GRAPHIC	MATERIAL DESCRIPTION	ELEVATION (feet) approx	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE, %	FIELD TESTS: WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
		gravel Dense, moist, brown	120													
30		**Silty CLAY (CL)** Stiff, moist, brown, trace gravel				8.5		30	9		65	19	16	112	2630	LL=25 PI=7
35			115					35	10		60	25				
		Poorly graded SAND (SP-SM) with silt and gravel Medium dense, moist, brown	110													
		Lean CLAY (CL) Stiff, moist, brown														
40				2.0				40	11		70	11	20			
			105													
45		Stiff, gray with brown mottling, with sandy lenses				5.1		45	12		60	23	18	110	2610	
			100													
50		Very stiff, grayish brown with orange brown mottling				9.1		50	13		70	42	17	114	4760	
			95													
55		With gravel		1.5				55	14		65	23				
			90													

URS

PROJECT NO. 28645159

Figure: B-6

Service Building Replacement

LOG OF BORING SBR-1

Continued- Sheet 3 of 3

DEPTH (feet)	SOIL GRAPHIC	MATERIAL DESCRIPTION	ELEVATION (feet) approx	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE, %	FIELD TESTS: WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
65		**Poorly graded SAND (SP-SM) with silt and gravel** Very dense, moist, brown, gravel to 2 inch diameter	85					65	15		60	50/5"				
		Silty, clayey SAND (SC-SM) with gravel Very dense, moist, brown, with thin clay lenses	80						16		70	63				
70		**Silty SAND (SM) with gravel** Very dense, moist, grayish brown	75					70	17		50	81				
		Lean CLAY (CL) Very stiff, moist, gray with orange mottles		2.25					18		75	19				
75		BOTTOM OF BORING AT 75 FEET Boring dry ATD	70					75								
80			65					80								
85			60					85								
90			55					90								

URS

PROJECT NO. 28645159

Figure: B-6

Service Building Replacement

BORING LOCATION: Service Building Replacement - #28645159			GROUND SURFACE ELEVATION (ft): 147.0 approx TOP OF WELL CASING ELEVATION (ft): N/A
DRILLING AGENCY	Exploration Geoservices, Inc.	DRILLER John	DATE STARTED: 3/17/10 DATE FINISHED: 3/17/2010
DRILLING EQUIPMENT	Mobile B56		COMPLETION DEPTHS BORING: 55.0 (ft) WELL: N/A (ft)
DRILLING METHOD	Hollow Stem Auger	DRILL BIT 8 inch	HAMMER/ DROP 140lb/30in - Wirewinch
SIZE AND TYPE OF CASING	N/A		NUMBER OF SAMPLES DIST: 2 UNDIST: 16
TYPE OF PERFORATION	N/A	FROM N/A TO N/A	WATER DEPTH (ft) FIRST: N/A ▽ COMPL.: N/A ▽ 24 hr.: N/A
SIZE AND TYPE OF PACK	N/A	FROM N/A TO N/A	LOGGED BY M.Thummaluru / CHECKED BY

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0	55'	No. 3: N/A	N/A	N/A
	No. 2: N/A	N/A	N/A	No. 4: N/A	N/A	N/A

LOG OF BORING SBR-3

(Sheet 1 of 2)

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet) approx	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE, %	FIELD TESTS: WATER LEVEL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
0	**7 inches Asphalt Concrete over 3 inches Aggregate Base**													
	Lean CLAY (CL) with gravel - FILL Very stiff, moist, brown, trace sand	145	>4.5				1		95	76				
	Trace gravel				5.3		2		100	32	12	111	4840	
5	FILL													
	SILT (ML) Very stiff to hard, moist, light brown				3.4		3		75	17	9	114	8030	
		140					4		100	8				
	Silty SAND (SM) Loose, moist, dark reddish brown													
10	Medium dense						5		90	19				pH = 8.3 Sulfate not detected Chloride = 60 ppm
	Some gravel													
	Silty CLAY (CL-ML) Medium stiff, moist, dark brown	135												
							6		75	7				
15	**Silty SAND (SM)** Loose, moist, reddish brown													
	Lean CLAY (CL) Very stiff, moist, dark brown	130												
					11.1		7		95	18	19	109	5280	
20	**Silty CLAY (CL-ML)** Stiff, moist, light yellowish brown													
		125												
					3.2		8		95	24	16	107	2310	LL=26 PI=7
25														

URS

PROJECT NO. 28645159 | **Figure: B-8**

Service Building Replacement

LOG OF BORING SBR-3

Continued- Sheet 2 of 2

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet) approx	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE, %	FIELD TESTS: WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
30	**Lean CLAY (CL)** Medium stiff, moist, dark brown, trace gravel and sand, gravel size up to 3 inches. occasional Silty Sand (SM) lenses	120					30	9		95	17	13			
		115													
35	**Silty CLAY (CL-ML)** Stiff, moist, dark yellowish brown				6.2		35	10		95	13	19	108	2240	
		110													
40	**Poorly graded SAND (SP-SM) with silt and gravel** Dense, moist, brown		1.75				40	11		90	25				
	Lean CLAY (CL) Medium stiff, moist, brown	105													
45					3.9		45	12		65	25	12	115	1730	
		100													
	Stiff, gray brown and orange brown mottled				2.7			13		60	30	14	102	2040	
50		95					50								
					5.3			14		80	35	21	105	2080	
55	BOTTOM OF BORING AT 55 FEET Boring dry ATD						55								
		90													

URS

PROJECT NO. 28645159

Figure: B-8

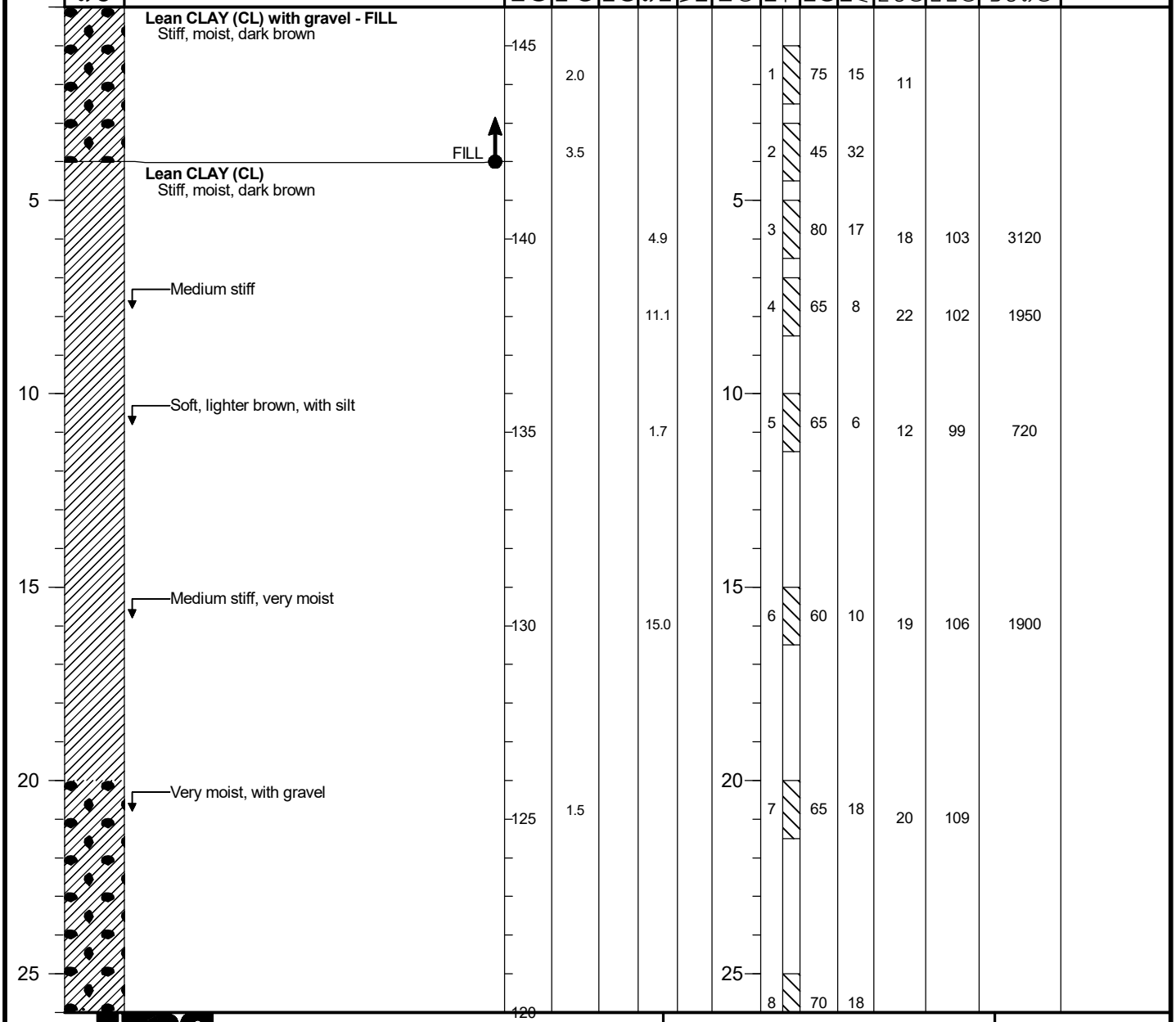
Service Building Replacement

BORING LOCATION: Service Building Replacement - #28645159			GROUND SURFACE ELEVATION (ft): 146.0 approx TOP OF WELL CASING ELEVATION (ft): N/A
DRILLING AGENCY	Exploration Geoservices, Inc.	DRILLER John	DATE STARTED: 3/15/10 DATE FINISHED: 3/15/2010
DRILLING EQUIPMENT	Mobile B56		COMPLETION DEPTHS BORING: 35.0 (ft) WELL: N/A (ft)
DRILLING METHOD	Hollow Stem Auger	DRILL BIT 8 inch	HAMMER/ DROP 140lb/30in - Wirewinch
SIZE AND TYPE OF CASING	N/A		NUMBER OF SAMPLES DIST: 1 UNDIST: 4
TYPE OF PERFORATION	N/A	FROM N/A TO N/A	WATER DEPTH (ft) FIRST: N/A ▽ COMPL.: N/A ▽ 24 hr.: N/A ▽
SIZE AND TYPE OF PACK	N/A	FROM N/A TO N/A	LOGGED BY C.Rambo / CHECKED BY

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0	35'	No. 3: N/A	N/A	N/A
	No. 2: N/A	N/A	N/A	No. 4: N/A	N/A	N/A

LOG OF BORING SBR-7

(Sheet 1 of 2)



URS

PROJECT NO. 28645159 | **Figure: B-12**

Service Building Replacement

LOG OF BORING SBR-7

Continued- Sheet 2 of 2

DEPTH (feet)	SOIL GRAPHIC	MATERIAL DESCRIPTION	ELEVATION (feet) approx	FIELD TESTS: POCKET PEN (tsf)	FIELD TESTS: POCKET TV (psf)	FIELD TESTS: STRAIN AT FAILURE, %	FIELD TESTS: WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY (%)	SAMPLES: BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	INDEX PROPERTIES: DRY DENSITY (pcf)	INDEX PROPERTIES: UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
		Less gravel	120			13.2							20	107	1690	
30			115					30	9		70	11				
		Poorly graded SAND (SP-SM) with silt and gravel							10		85	75/4"				
35		Very dense, moist, brown						35								
		BOTTOM OF BORING AT 35 FEET Boring dry ATD	110													
40			105					40								
45			100					45								
50			95					50								
55			90					55								

URS

PROJECT NO. 28645159

Figure: B-12

Service Building Replacement

BORING LOCATION: Service Building Replacement - #28645159			GROUND SURFACE ELEVATION (ft): 147.5 approx TOP OF WELL CASING ELEVATION (ft): N/A
DRILLING AGENCY	Exploration Geoservices, Inc.	DRILLER John	DATE STARTED: 3/17/10 DATE FINISHED: 3/17/2010
DRILLING EQUIPMENT	Mobile B56		COMPLETION DEPTHS BORING: 11.5 (ft) WELL: N/A (ft)
DRILLING METHOD	Hollow Stem Auger	DRILL BIT 8 inch	HAMMER/ DROP 140lb/30in - Wirewinch
SIZE AND TYPE OF CASING	N/A		NUMBER OF SAMPLES DIST: 0 UNDIST: 4
TYPE OF PERFORATION	N/A	FROM N/A TO N/A	WATER DEPTH (ft) FIRST: N/A ▽ COMPL.: N/A ▽ 24 hr.: N/A ▽
SIZE AND TYPE OF PACK	N/A	FROM N/A TO N/A	LOGGED BY M.Thummaluru / CHECKED BY

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0	11.5'	No. 3: N/A	N/A	N/A
	No. 2: N/A	N/A	N/A	No. 4: N/A	N/A	N/A

LOG OF BORING SBR-8

(Sheet 1 of 1)

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet) approx	FIELD TESTS: POCKET PEN (tsf)	POCKET TV (psf)	STRAIN AT FAILURE, %	WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	TYPE	RECOVERY (%)	BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	DRY DENSITY (pcf)	UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
	2 inches Asphalt Concrete over 3 inches Aggregate Base														
	Silty, clayey SAND (SC-SM) with gravel - FILL Medium dense, moist, dark brown							1		70	31	4			
		145													
	Sandy lean CLAY (CL) FILL Medium stiff, moist, reddish brown							2		95	1	11			
5	FILL						5								
	Lean CLAY (CL) Medium stiff, moist, dark brown							3		55	5	8	102		
	Poorly graded SAND with silt and gravel (SP-SM) Medium dense, moist, yellowish brown	140						4		45	20				
10							10								
	BOTTOM OF BORING AT 11-1/2 FEET Boring dry ATD							5		30	36				
		135													
15							15								
		130													
20							20								
		125													
25							25								

URS

PROJECT NO. 28645159

Figure: B-13

Service Building Replacement

BORING LOCATION: Service Building Replacement - #28645159			GROUND SURFACE ELEVATION (ft): 147.5 approx TOP OF WELL CASING ELEVATION (ft): N/A
DRILLING AGENCY	Exploration Geoservices, Inc.	DRILLER John	DATE STARTED: 3/17/10 DATE FINISHED: 3/17/2010
DRILLING EQUIPMENT	Mobile B56		COMPLETION DEPTHS BORING: 11.5 (ft) WELL: N/A (ft)
DRILLING METHOD	Hollow Stem Auger	DRILL BIT 8 inch	HAMMER/ DROP 140lb/30in - Wirewinch
SIZE AND TYPE OF CASING	N/A		NUMBER OF SAMPLES DIST: 2 UNDIST: 12
TYPE OF PERFORATION	N/A	FROM N/A TO N/A	WATER DEPTH (ft) FIRST: N/A ▽ COMPL.: N/A ▽ 24 hr.: N/A ▽
SIZE AND TYPE OF PACK	N/A	FROM N/A TO N/A	LOGGED BY M.Thummaluru / CHECKED BY

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO
	No. 1: Cement	0	11.5'	No. 3: N/A	N/A	N/A
	No. 2: N/A	N/A	N/A	No. 4: N/A	N/A	N/A

LOG OF BORING SBR-10

(Sheet 1 of 1)

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet) approx	FIELD TESTS: POCKET PEN (tsf)	POCKET TV (psf)	STRAIN AT FAILURE, %	WATER LEVEL	DEPTH (feet)	SAMPLES: NUMBER	TYPE	RECOVERY (%)	BLOWS /foot	INDEX PROPERTIES: MOISTURE CONTENT (%)	DRY DENSITY (pcf)	UNCONFINED COMPRESSIVE STRENGTH (psf)	NOTES
	2.5 inches Asphalt Concrete over 2 inches Aggregate Base														
	Clayey SAND (SC) with gravel - FILL Dense, moist, dark brownish gray							1		75	25				
	Lean CLAY (CL) FILL Very stiff, moist, dark gray	145													
					5.5			2		85	30	11	126	7960	
	FILL														
5	**Poorly graded SAND with silt and gravel (SP-SM)** Very dense, moist, yellowish brown to reddish brown, gravel up to 2 inch diameter						5	3		85	79				
	Medium dense	140						4		75	32				
	Fine gravel up to 1/2 inch														
10	Less gravel						10	5		85	27				
	BOTTOM OF BORING AT 11-1/2 FEET Boring dry ATD	135													
15							15								
		130													
20							20								
		125													
25							25								

URS

PROJECT NO. 28645159 | **Figure: B-15**

V & A
CONSULTING ENGINEERS INC

August 20, 1992
Ref 9243<0820rpt>

Ms. Katherine Fung
Woodward Clyde Consultants
55 South Market St., Ste 1650
San Jose, CA 95113

Subject: Santa Clara Valley Medical Center - Corrosion Control

Dear Katherine,

V & A Consulting Engineers were retained by Woodward Clyde Consultants to provide testing of soil samples and make recommendations for buried piping at the site of the proposed Medical Center. Soil samples were removed from the site and provided to V & A for testing. The soils were tested for resistivity in the "as-found" condition and with distilled water added in order to determine the minimum resistivity. The "as-found" resistivity value would be indicative of the conductivity of the in situ soils and the minimum value would provide worst case corrosivity data, as soil corrosivity increases with increased moisture, up to the point of maximum solubility for aggressive ions present in the samples. In addition to the resistivity testing, the soils were tested using standard analytical methods for determination of the pH and the concentrations of chloride, sulfate and bicarbonate ions. The data gathered from the testing is shown in Table 1.

The following table correlates resistivity values with degree of corrosivity. The interpretation of soil resistivity varies among corrosion engineers. However, this table is a generally accepted guide.

SOIL RESISTIVITY (ohm-cm)	DEGREE OF CORROSIVITY
0 - 500	Very Corrosive
500 - 1,000	Corrosive
1,000 - 2,000	Moderately Corrosive
2,000 - 10,000	Mildly Corrosive
Above 10,000	Negligible

Reference: NACE Corrosion Basics, page 191

Villalobos & Associates
Lake Merritt Plaza, 1999 Harrison Street
Suite 975, Oakland, CA
PH (510) 446-1989 FX (510) 446-1965
Oakland—Los Angeles—Boston

The resistivity values for the samples tested range from a minimum of 2,000 ohm-cm to a maximum of 4,100, with an average of 2,750. Based upon the interpretations suggested in the table above, the soils would be considered only mildly corrosive to buried steel pipelines.

The following tables correlate the effect of chlorides, sulfates and pH on the corrosion of buried steel or concrete structures:

CHLORIDE CONCENTRATION (ppm)	DEGREE OF CORROSIVITY
Over 5,000	Severe
1,500 - 5,000	Considerable
500 - 1,500	Corrosive
Below 500	Threshold

Reference: ACI-318, Building Code Requirements for Reinforced Concrete

Chloride concentrations for the samples tested ranged from a maximum value of 17 ppm to a minimum of 6.5 ppm. All values measured were less than the threshold value of 500 ppm.

SULFATE CONCENTRATION (ppm)	DEGREE OF CORROSIVITY
Over 10,000	Severe
1,500 - 10,000	Considerable
150 - 1,500	Positive
0 - 150	Negligible

Reference: ACI-318, Building Code Requirements for Reinforced Concrete

Sulfate concentrations for the samples tested ranged from a maximum value of 80 ppm to a minimum of 23 ppm. The values therefore are negligibly corrosive to buried reinforced concrete structures.

Acidity, as indicated by the pH value, is another aggressive factor of soil/groundwater. The lower the pH (the more acidic the environment), the higher will be the corrosivity with respect to buried metallic and concrete structures. When in contact with portland cement concrete, acid will attack the exposed surface and be neutralized by the alkalinity of the concrete. As pH increases above 7 (the neutral value), conditions become increasingly more alkaline and passive to buried steel structures.

The following table correlates the effect of pH on corrosion of buried steel or concrete structures:

pH	DEGREE OF CORROSIVITY
< 5.5	Severe
5.5-6.5	Moderate
6.5-7.5	Neutral
> 7.5	None (Alkaline)

Reference: Romanoff M., Underground Corrosion, 1957

The pH is important in selecting materials for use in that environment. For example, concrete is not recommended for use in acidic soil (pH less than 5.5), without some modification or protection. Aluminum is not recommended for use in either acidic or basic soils. Steel may be used in alkaline environments but, in acidic environments, coatings, or other protection is required. The pH, measured for the samples, ranges from a maximum value of 8.2 to a minimum value of 7.8. This indicates that the site conditions are an alkaline environment.

As discussed previously, high concentrations of bicarbonates tend to decrease soil resistivity. However, bicarbonates are not aggressive to buried steel and concrete. The bicarbonate concentrations for the samples tested ranges from a maximum value of 2,900 ppm to a minimum value of 1,300. These values indicate that the bicarbonate levels are influencing the resistivity values, but are not increasing the corrosivity of the soil.

Based upon the soil resistivity and chemical testing data, the following information is intended for guidance in the selection of piping materials and corrosion control;

DUCTILE IRON - Ductile iron pipe would be a suitable alternative for water lines at the proposed site. Ductile iron pipe should be coated with either a 16 mil, 100 percent solids, coal tar epoxy coating or a 30 mil polyethylene tape wrap coating.

WELDED STEEL - Welded steel pipe should also be coated with either a 16 mil coal tar or 30 mil polyethylene tape wrap coating. Galvanic cathodic protection, using magnesium anodes would be recommended for gas lines.

CEMENT MORTAR COATED STEEL CYLINDER - Cement mortar coated steel cylinder pipe would perform satisfactorily in the proposed soil environment. The cement mortar would provide adequate protection to the underlying steel cylinder, based upon the chemical test data shown above. Depending upon the flow stream, additional corrosion protection may be required for the interior of the pipe. This might include interior coatings, in addition to the cement lining. Water or wastewater. Wastewater lines may also require protection for the concrete in the form of dielectric, moisture proof coatings.

REINFORCED CONCRETE - Conventionally reinforced concrete pipe would also be expected to perform adequately at the site. No additional corrosion protection would be required for exposure to the soil. However, consideration must be given to the fluid conveyed as discussed above under cement mortar lined and coated steel cylinder pipe.

COPPER - Copper pipe would be suitable for use at the site without coatings or other additional corrosion protection.

STAINLESS STEEL - Stainless steel would be acceptable for use at the site.

VITRIFIED CLAY, PLASTIC & FIBERGLASS - Either of these materials would be expected to perform satisfactorily at the site.

It is important to note that all piping materials should be electrically isolated from contact with other buried metals. For example, all piping should be isolated from building foundations by the installation of insulating flanges. Metallic piping of differing materials should also be isolated from one and other by the use of insulating flanges or dielectric unions.

I trust that we have addressed the material options currently under consideration for the proposed Medical Center. It has been a pleasure to be of service and I hope that you will feel free to contact me with any questions or comments you may have. I look forward to hearing from you.

Sincerely,

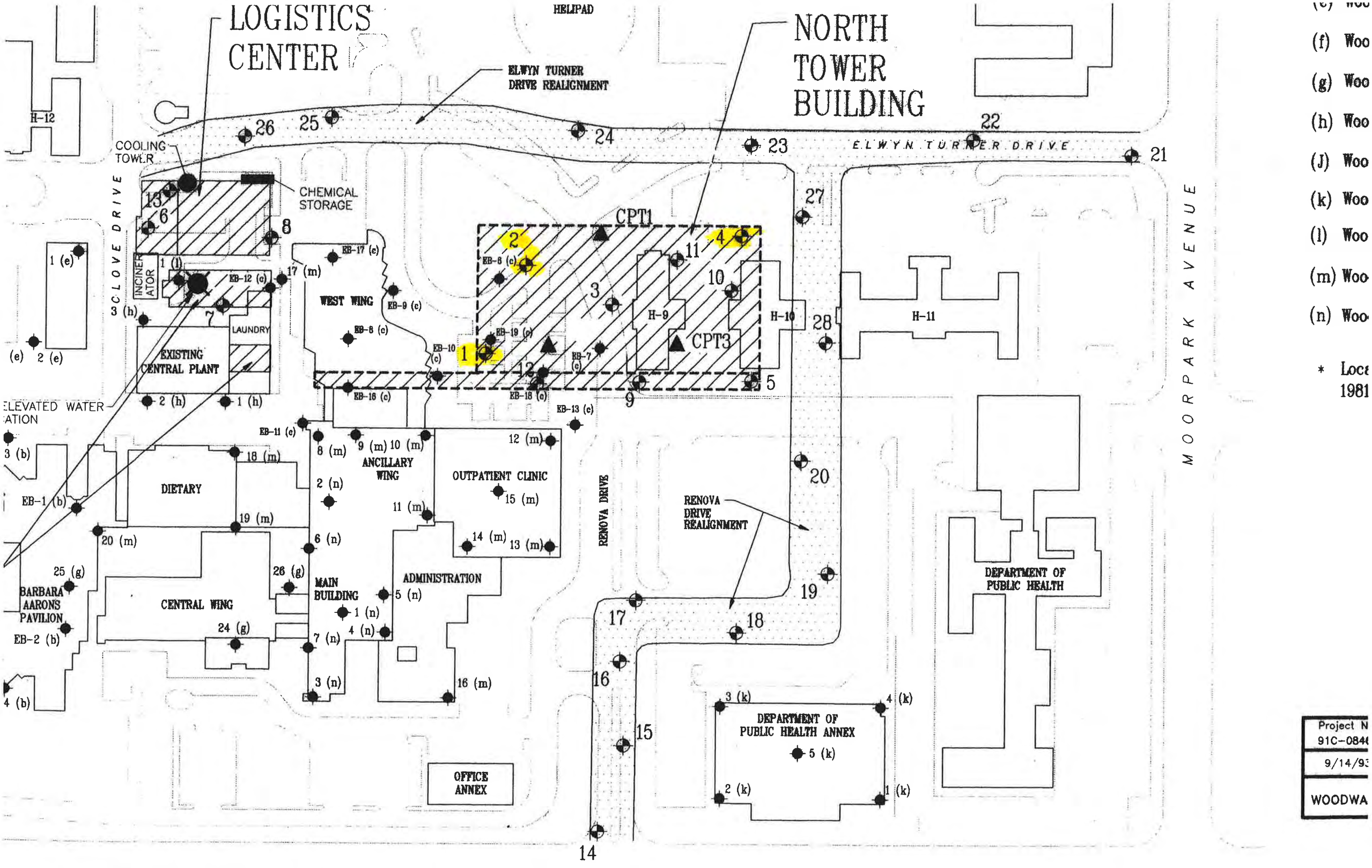
V & A CONSULTING ENGINEERS

Kerri M. Howell, P.E.
Manager, Engineering Services

TABLE 1

SOIL RESISTIVITY AND CHEMICAL DATA

SAMPLE		SOIL RESISTIVITY		pH	SULFATE CONCENTRATION (ppm)	CHLORIDE CONCENTRATION (ppm)	BICARBONATE CONCENTRATION (ppm)
BORING No.	DEPTH (feet)	"AS RECEIVED" (ohm-cm)	"MINIMUM" (ohm-cm)				
B1-4-2	20	2,000	1,800	7.8	64	6.5	2,900
B2-3-2	15	2,150	1,900	8.2	80	17.0	1,600
B4-2-2	10	4,100	2,900	8.2	23	6.7	1,300
AVERAGE		2,750	2,200	8.1	56	10.1	1,933
MAXIMUM		4,100	2,900	8.2	80	17.0	2,900
MINIMUM		2,000	1,800	7.8	23	6.5	1,300



(f) Woo

(g) Woo

(h) Woo

(J) Woo

(k) Woo

(l) Woo

(m) Woo

(n) Woo

* Loca
1981

Project N
91C-084
9/14/9
WOODWA

Soil Corrosivity Investigation for Santa Clara Valley Medical Center, San Jose, CA

Prepared for: Allen Moore, URS

Prepared by: Nick Estakhri, V&A

Reviewed by: Keith Packard, V&A
Brian Chapman, V&A

Date: March 25, 2010

INTRODUCTION

V&A was retained by URS to perform a soil corrosivity evaluation at the Santa Clara Valley Medical Center (SCVMC) in San Jose, CA (Figure 1). The evaluation was conducted to update the corrosion control recommendations in V&A's August 1992 report for the SCVMC. The corrosion control recommendations in this technical memorandum are based on laboratory analysis of soil samples collected from surface to 4 feet deep by others. The soil samples collected and tested are representative of the native soil surrounding the underground utilities.

The objectives of the investigation were as follows:

- Provide recommendations for corrosion mitigation of buried metallic, thermally insulated and reinforced concrete structures.

The results of the soil corrosivity lab analysis by Xenco Laboratories were reviewed with respect to ductile iron pipe (DIP), welded steel pipe with a dielectric coating, thermally insulated pipe and reinforced concrete structures. Recommendations for corrosion control of the pipeline and structures are presented at the end of this memorandum.

TEST METHODS

To predict corrosion issues associated with a particular type of structure prior to installation, it is necessary to investigate the soil conditions the structure will encounter. Since corrosion is an electrochemical process which is accompanied by current flow, the electrochemical characteristics of a soil are of primary importance when evaluating corrosivity. Test methods used during this investigation reflect the contemporary practices for evaluating soil corrosivity.

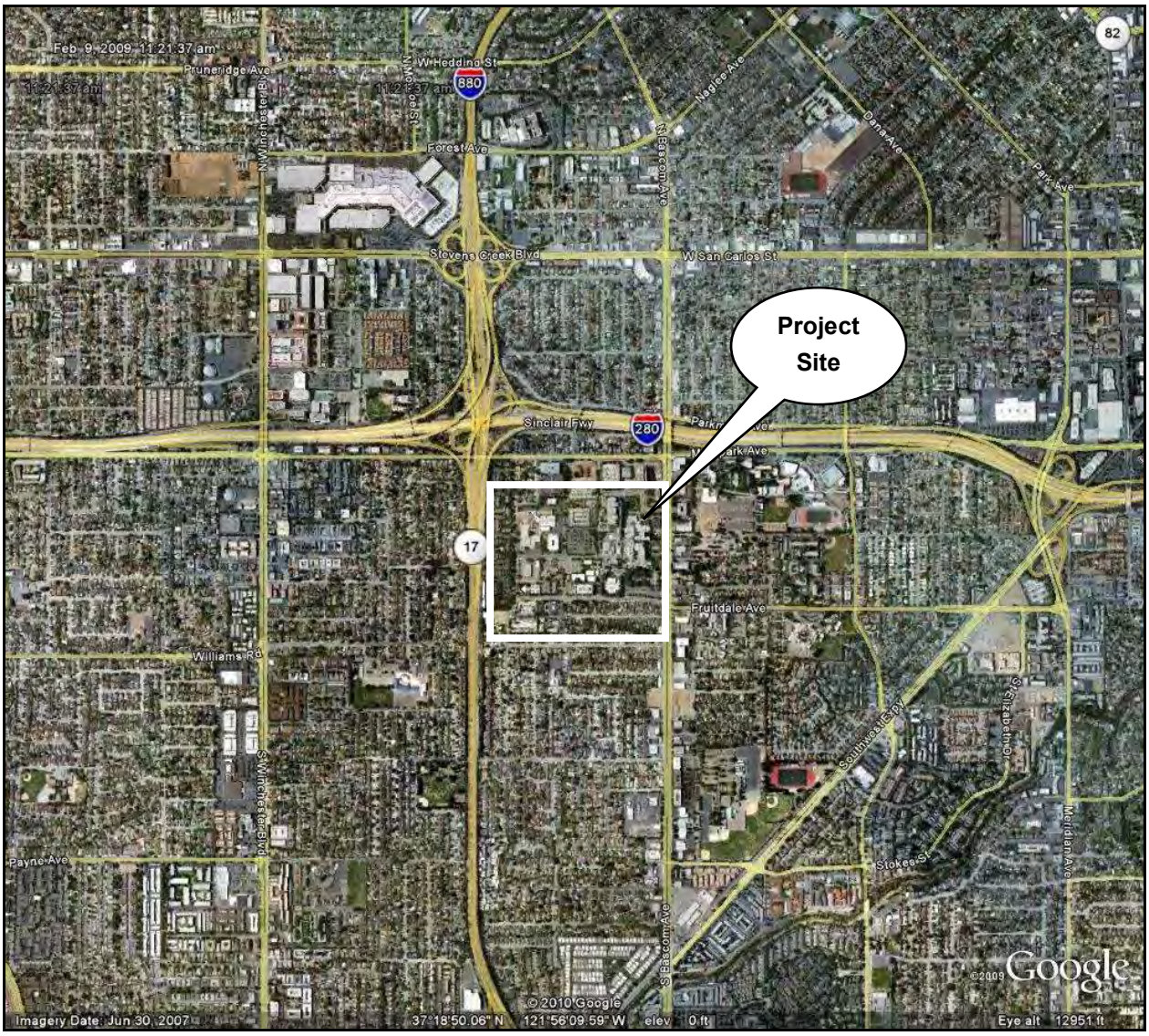


Figure 1. Project Vicinity Map*

*Google Maps, www. Google.com

Chemical Analysis of Soil

Five samples from soil borings collected by others were sent to Xenco Laboratories in Houston, TX, for chemical analysis. Xenco analyzed the samples for "as-received" and minimum soil resistivity (by NACE Standard), pH (EPA 9045C Standard) and concentrations of water-soluble chloride, sulfate (by EPA 300 Standard) and bicarbonate ions (by SM2320 Standard).

TEST RESULTS

The data obtained during this investigation is summarized in tabular form for analysis and presentation. Table 1 lists the "as-received" and minimum (saturated) laboratory soil resistivity for each sample collected and chemical analyses for soluble sulfate, chloride and bicarbonate.

Table 1.
Laboratory Soil Analysis Data

Item No.	Boring No.	Approx Depth (ft)	Resistivity (ohm-cm)		Chemical Data			
			As-received	Minimum	pH	Sulfate (mg/kg)	Chloride (mg/kg)	Bicarbonate (mg/kg)
1	UT-1	1-2	8,310	5,380	8.20	20.8	5.54	1,160
2	UT-2	2-3	5,690	4,590	8.30	24.0	8.44	27.7
3	UT-3	3-4	2,010	1,720	7.96	60.1	44.2	380
4	UT-4	3-4	4,670	2,360	7.83	30.2	133	300
5	UT-5	3-4	3,030	2,980	7.82	15.4	BRL*	280

*BRL = Below Reporting Limit of 5 mg/kg

DISCUSSION

Laboratory Analysis of Soil Samples

Laboratory analysis was performed on five samples. A soil box test was performed to determine the minimum soil resistivity. This test provides information about the soil during wet weather conditions. Soil resistivity is primarily dependent on the ion and moisture content of the soil. Higher levels of ions in the soil lower the soil resistivity. Additional moisture decreases the soil resistivity until the maximum solubility for the dissolved ionic compounds is reached. Beyond this level, additional moisture increases the resistivity as the ions become more and more diluted. The initial decrease in soil resistivity is attributed to ions in the "as-received" soil dissolving into solution and providing a less resistive path for current flow.

The minimum (saturated) soil resistivities tested ranged from 1,720 ohm-cm to 5,380 ohm-cm. The average soil resistivity was 3,406 ohm-cm. These values are considered *moderately corrosive to mildly corrosive* to steel.

Table 2.
Soil Corrosivity[1]

Soil Resistivity (ohm-cm)	Degree of Corrosivity
< 500	Very High
500 – 1,000	High
1,000 – 2,000	Moderate
2,000 – 10,000	Mild
> 10,000	Negligible

Soil Chemical Analysis

A wide variety of water-soluble salts is typically found in soils. Depending on the specific ions available two soils having the same resistivity may have significantly different corrosion characteristics. The major constituents which accelerate corrosion are chlorides, sulfates and the acidity (pH) of the soil. Chloride ions tend to break down otherwise protective metal surface films and can facilitate corrosion of reinforcing steel in concrete structures. Sulfates in soil can be highly aggressive to Portland cement by combining chemically with certain constituents of the concrete, principally tricalcium aluminate. This reaction is accompanied by expansion and eventual disruption of the concrete matrix.

Water-soluble Chloride

Chloride ions found in soils tend to break down otherwise protective surface deposits and can result in corrosion of buried metallic structures and reinforcing steel in concrete structures. Table 3 shows the effect of chloride ions on the corrosivity of the soil.

[1] Peabody, A. and Parker, M., "Corrosion Basics, an Introduction", Ed. By Brasunas, A., NACE International, p. 191 (1984)

Table 3.
Effects of Chloride Ions on the Corrosivity of Soil[2]

Water-soluble Chloride Concentration (mg/kg)	Degree Of Corrosivity
Over 5,000	Very High
1,500 - 5,000	High
500 - 1,500	Moderate
100 - 500	Mild
Below 100	Negligible

The water soluble chloride levels ranged from less than the reporting level of 5 mg/kg to 133 mg/kg. This range is considered *negligibly* to *mildly corrosive*.

Acidity

Acidity, as indicated by the pH value, is another important factor with respect to corrosivity. Lower pH (more acidic) will result in a greater degree of corrosivity with respect to buried metallic and concrete structures than higher pH. When pH increases above 7.0 (the neutral value), the conditions become increasingly more alkaline. In alkaline environments, steel forms a protective layer on its surface. This is referred to as passivation. V&A developed Table 4, which correlates the effect of pH on the rate of corrosion for buried steel or concrete structures.

Table 4.
Effects of pH on the Corrosivity of Soil[3] [4]

pH	Degree Of Corrosivity
< 4.0	Very high
4.0 - 5.5	High
5.5 - 6.5	Moderate
6.5 – 7.0	Mild
> 7.0	Negligible

The pH of the tested boring samples ranged from 7.82 to 8.30. These levels are considered *negligibly corrosive.*

[2] Schiff, M.J., "What is a Corrosive Soil?", Proceedings from Western States Corrosion Seminar, California State Polytechnic State University, Pomona (1993); Romanoff, M., "Underground Corrosion", NACE International, p. 11 (1957); V&A's experience
[3] Romanoff, M., "Underground Corrosion", NACE International, p. 8 (1989)
[4] Uhlig H., "Corrosion and Corrosion Control", 2nd Edition, John Wiley & Sons Inc., pp. 98-106 (1971); V&A's experience

Water-soluble Sulfates

Soil with high levels of sulfates can chemically attack concrete structures. Table 5 correlates the effect of sulfates on the corrosivity of soil for concrete structures.

Table 5.
Effects of Sulfate Ions on the Corrosivity of Soil[5]

Water-soluble Sulfate Concentration (mg/kg)	Degree Of Corrosivity
> 2,000	Severe
1,000 - 2,000	Moderate
< 1,000	Negligible

The water soluble sulfate levels ranged from 15.4 mg/kg to 60.1 mg/kg. This range is considered *negligibly corrosive*.

Bicarbonates

The level of bicarbonate ions ranged from 27.7 mg/kg to 1,160 mg/kg. High concentrations of bicarbonates tend to decrease soil resistivities. Bicarbonates are not directly aggressive to buried steel or concrete, but the lower resistivity environments can promote corrosion activity.

Cathodic Protection

Cathodic protection (CP) of the proposed buried metallic structures is recommended due to low soil resistivities and the depth of the pipelines below grade at the project site.

There are two basic types of cathodic protection: galvanic and impressed current. An impressed current cathodic protection system can be adjusted as required and can provide more current than a galvanic system. Rectifier(s) would be placed at locations where electrical power is available. The impressed current system requires that the buried metallic pipeline is electrically continuous.

Galvanic cathodic protection system is ideal for isolated sections such as metallic valves, fittings and risers on PVC pipelines, or isolated pipe sections where bonding to the other sections is not an option.

Test stations should be installed at designated locations to facilitate future cathodic protection system testing.

[5] V&A's interpretation of Table 8.22.2, Bridge Design Specifications, California Department of Transportation (2000)

CONCLUSIONS

- Based on the results of the soil evaluation, the soil is considered to be *moderately corrosive* to *mildly corrosive* to steel.

RECOMMENDATIONS

Buried Reinforced Concrete Structures

Buried reinforced concrete structures should be constructed of durable concrete such as described in ACI Standards 201.2R and 222R.

1. The water/cement ratio should not exceed 0.5.
2. A concrete cover of a minimum of 2 inches should be applied over all steel reinforcement.
3. Type II modified cement should be used.
4. Sand and water used in concrete mixtures should contain a maximum of 100 ppm of water-soluble chloride ions and water-soluble sulfate ions and have a pH in the range of 6.5 to 8.0. Water used in concrete mixtures should be potable.

Welded Steel Pipe with Bonded Dielectric Coating

1. Coat buried steel pipe with a bonded dielectric coating.
2. Install cathodic protection on buried metallic piping.
3. Electrically bond all non-welded, non-isolating joints with insulated copper cable.
4. Install monitoring test stations on buried piping.
5. Electrically isolate the project piping from the existing piping and steel casings, and require onsite measurement of electrical potentials to verify electrical isolation before and after backfill.

Ductile Iron Pipe

1. Electrically bond all non-welded, non-isolating joints with insulated copper cable.
2. Install cathodic protection on buried metallic piping.
3. Install monitoring test stations on piping.
4. DIP should be wrapped with polyethylene encasement.
5. Electrically isolate the project piping from the existing piping and steel casings, and require onsite measurement of electrical potentials to verify electrical isolation before and after backfill.

Thermally Insulated Pipe

1. Apply coating to the pipe surface under the insulation. This method will help preventing the pipe's metallic surface from corrosion caused by trapped moisture from condensation or external sources.
2. The coating must be flexible enough to withstand the expansion and contraction of the piping when temperatures cycle.
3. May apply the following types of coating under the insulation: Liquid epoxy, urethanes, polyurethanes, polyureas, wax-tape, thermally sprayed aluminum, brushable coal tar or asphalt-based coating.
4. Inorganic zinc coatings or galvanizing shall not be used under thermal insulation in the 50° to 150℃ (120° TO 300℉) service temperature range for long term or cyclic service. Zinc provides inadequate corrosion resistance in closed, sometimes wet environments.[6]

BASIS OF RECOMMENDATIONS

The above recommendations are based on the following factors:

1. The proposed and existing underground utilities are in soils that range from *mildly corrosive* to *moderately corrosive* based on the soil resistivity. Cathodic protection of ferrous metal pipelines and fittings may mitigate future leaks and repair work caused by corrosion deterioration in this environment.
2. The cost to install cathodic protection at the time of pipeline installation is small relative to the overall project cost.
3. The proposed pipe depth (9 -10 feet) makes repairs or access difficult, therefore installation of CP system is recommended.

[6] NACE – RP0198-2004 – The Control of Corrosion Under Thermal Insulation and Fireproofing Materials – Section

APPENDIX A
SOIL CHEMICAL ANALYSIS LAB RESULTS

XENCO Laboratories

Certificate of Analysis Summary 365705

V & A Consulting Engineers Inc., Oakland, CA

Project Name: Santa Clara Valley Medical Center

Project Id: 10-0118
Contact: Keith Packard
Project Location: Joint Trench, San Jose, CA

Date Received in Lab: Tue Mar-16-10 09:30 am
Report Date: 23-MAR-10
Project Manager: Nelida Ruiz-Martinez

Analysis Requested											
	Lab Id:	365705-001		365705-002		365705-003		365705-004		365705-005	
	Field Id:	UT-1		UT-2		UT-3		UT-4		UT-5	
	Depth:	1-2 ft		2-3 ft		3-4 ft		3-4 ft		3-4 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-12-10 00:00		Mar-12-10 00:00		Mar-12-10 00:00		Mar-12-10 00:00		Mar-12-10 00:00	
Alkalinity by SM2320B	*Extracted:*										
	Analyzed:	Mar-19-10 14:44		Mar-19-10 14:48		Mar-19-10 14:50		Mar-19-10 14:52		Mar-19-10 14:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Alkalinity, Bicarbonate (as CaCO3)		1160	4.00	27.7	4.00	380	4.00	300	4.00	280	4.00
Anions by EPA 300	*Extracted:*										
	Analyzed:	Mar-19-10 06:21		Mar-19-10 09:36		Mar-19-10 10:02		Mar-19-10 10:27		Mar-19-10 10:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		5.54	5.00	8.44	5.00	44.2	5.00	133	5.00	BRL	5.00
Sulfate		20.8	5.00	24.0	5.00	60.1	5.00	30.2	5.00	15.4	5.00
Soil Resistivity (As Received) by NACE	*Extracted:*										
	Analyzed:	Mar-18-10 10:00		Mar-18-10 10:04		Mar-18-10 10:06		Mar-18-10 10:08		Mar-18-10 10:10	
	Units/RL:	Ohm-c	RL	Ohm-c	RL	Ohm-c	RL	Ohm-c	RL	Ohm-c	RL
Soil Resistivity		8310	100	5690	100	2010	100	4670	100	3030	100
Soil Resistivity by NACE	*Extracted:*										
	Analyzed:	Mar-18-10 10:20		Mar-18-10 10:24		Mar-18-10 10:26		Mar-18-10 10:28		Mar-18-10 10:30	
	Units/RL:	Ohm-c	RL	Ohm-c	RL	Ohm-c	RL	Ohm-c	RL	Ohm-c	RL
Soil Resistivity		9380	100	4590	100	1720	100	2360	100	2980	100
Soil pH by EPA 9045C	*Extracted:*										
	Analyzed:	Mar-18-10 17:01		Mar-18-10 17:03		Mar-18-10 17:04		Mar-18-10 17:05		Mar-18-10 17:06	
	Units/RL:	SU	RL	SU	RL	SU	RL	SU	RL	SU	RL
pH		8.20		8.30		7.96		7.83		7.82	

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Carlos Castro
Managing Director, Texas

GREGG DRILLING, LLC
WWW.GREGGDRILLING.COM

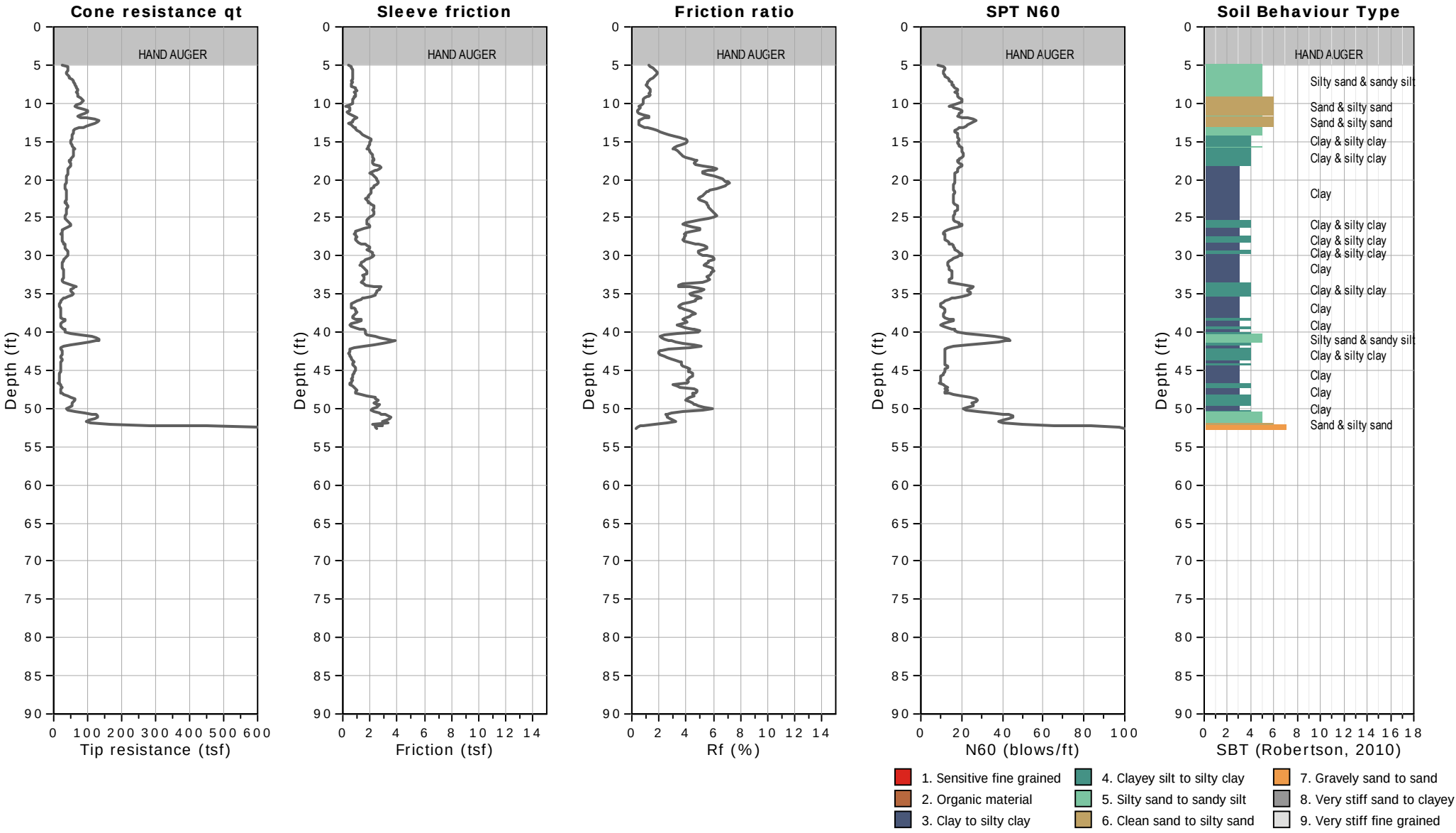
CPT: CPT-01

CLIENT: AECOM

FIELD REP: PAUL B.

SITE: SANTA CLARA MEDICAL, SAN JOSE, CA

Total depth: 52.66 ft, Date: 9/29/2020



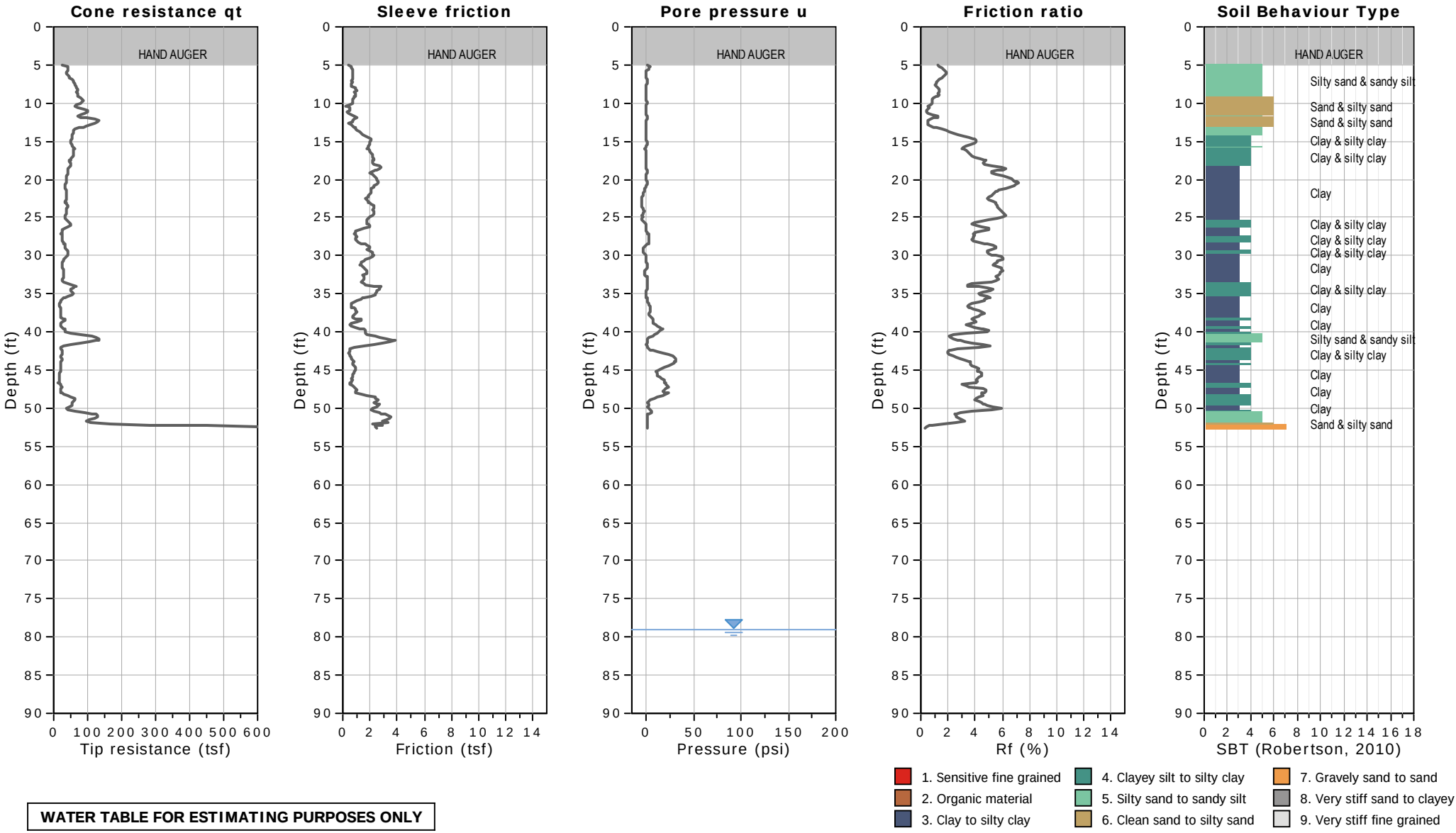
CPT: CPT-01

CLIENT: AECOM

FIELD REP: PAUL B.

SITE: SANTA CLARA MEDICAL, SAN JOSE, CA

Total depth: 52.66 ft, Date: 9/29/2020



WATER TABLE FOR ESTIMATING PURPOSES ONLY

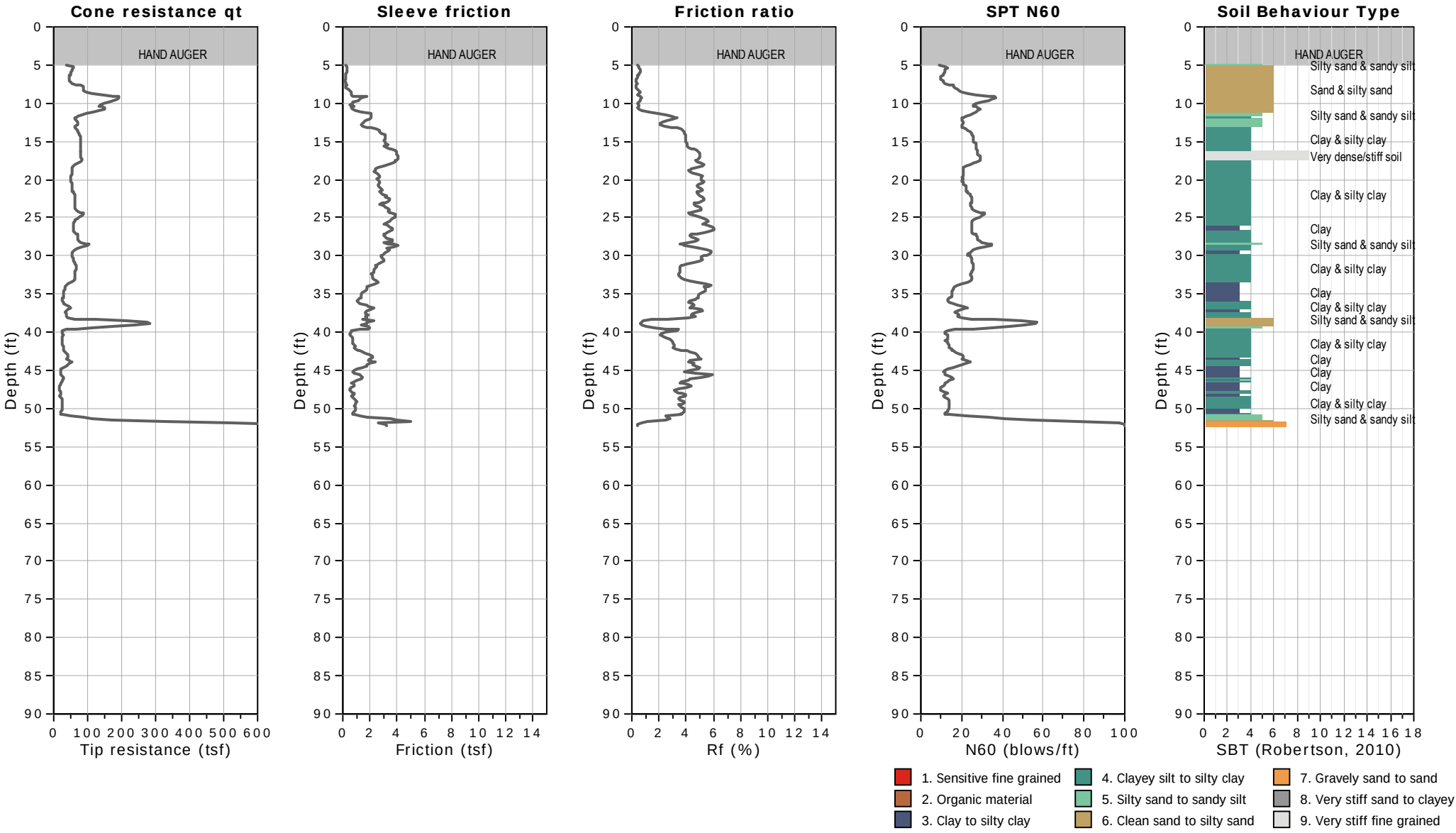
CPT: CPT-02

CLIENT: AECOM

FIELD REP: PAUL B.

SITE: SANTA CLARA MEDICAL, SAN JOSE, CA

Total depth: 52.33 ft, Date: 9/29/2020



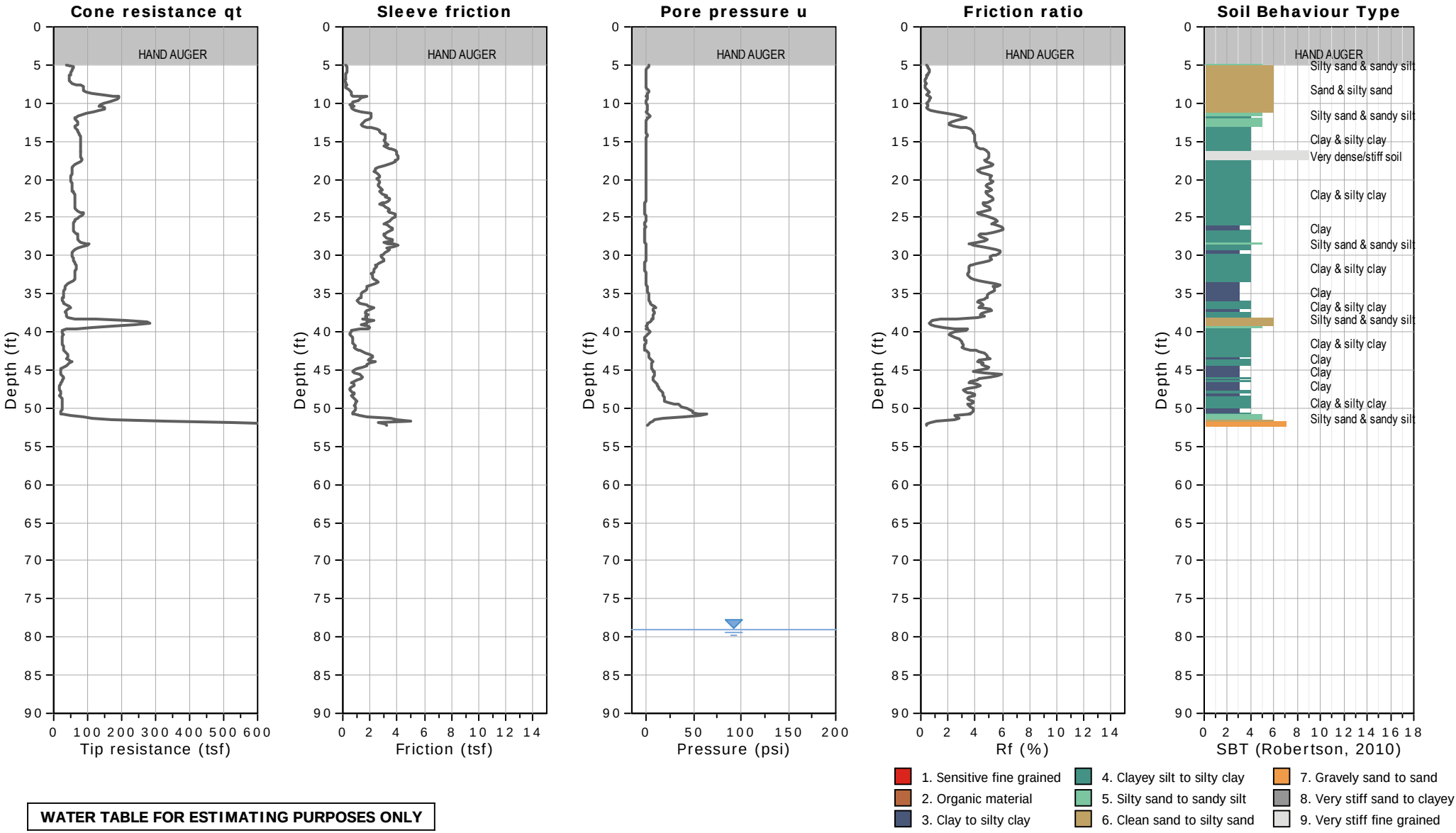
CPT: CPT-02

CLIENT: AECOM

FIELD REP: PAUL B.

SITE: SANTA CLARA MEDICAL, SAN JOSE, CA

Total depth: 52.33 ft, Date: 9/29/2020



WATER TABLE FOR ESTIMATING PURPOSES ONLY

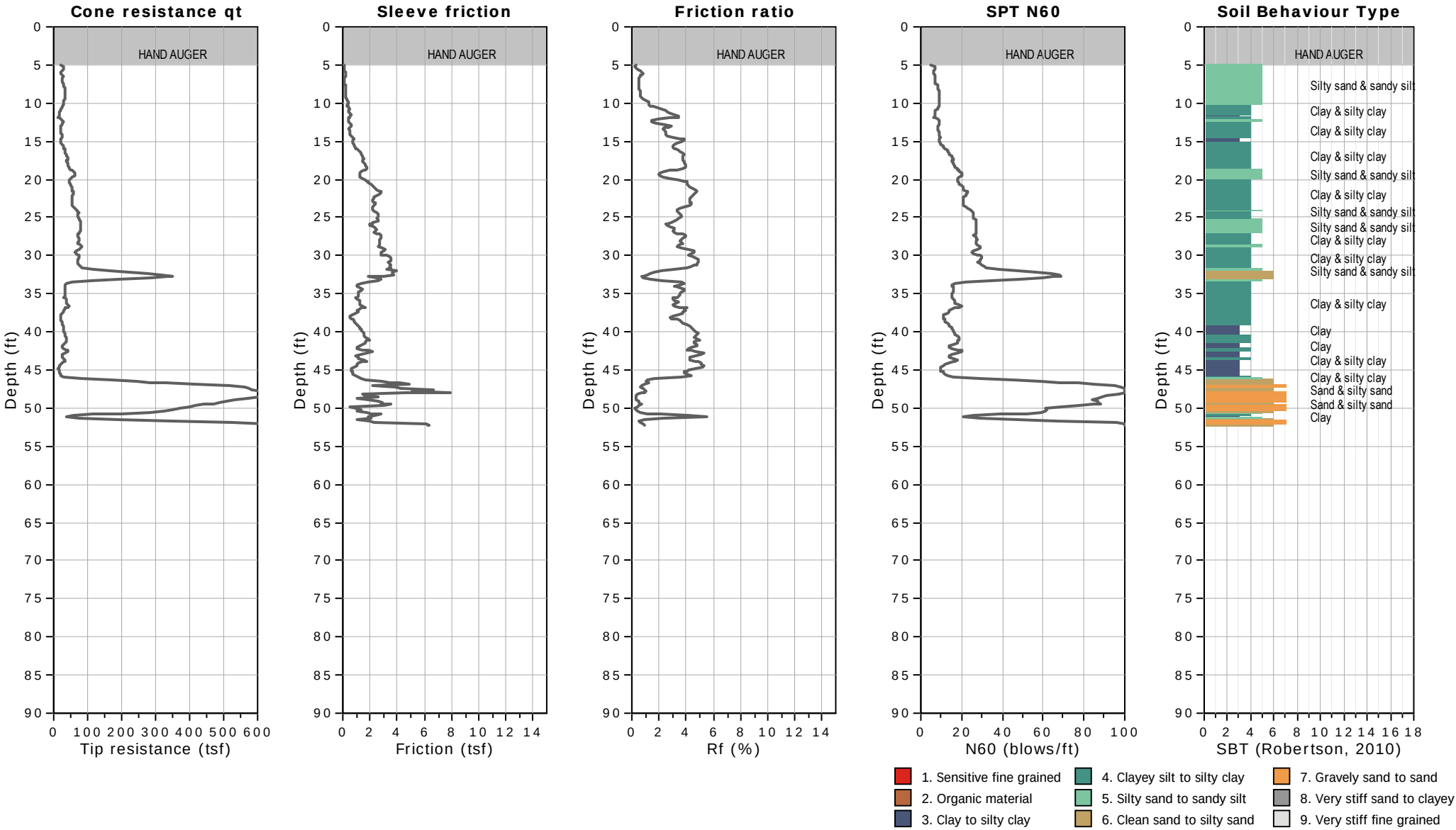
CPT: CPT-03

CLIENT: AECOM

FIELD REP: PAUL B.

SITE: SANTA CLARA MEDICAL, SAN JOSE, CA

Total depth: 52.33 ft, Date: 9/28/2020



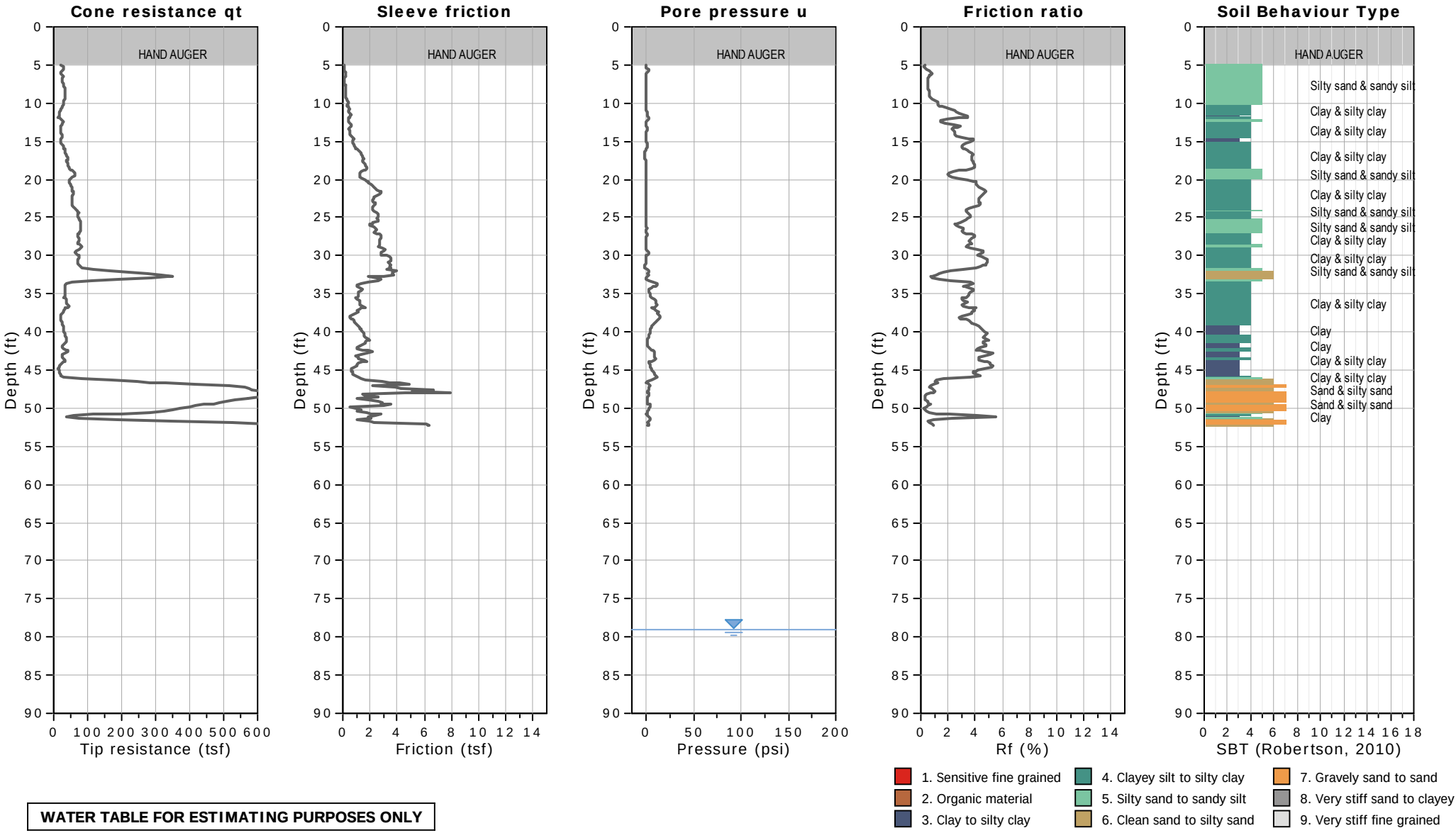
CPT: CPT-03

CLIENT: AECOM

FIELD REP: PAUL B.

SITE: SANTA CLARA MEDICAL, SAN JOSE, CA

Total depth: 52.33 ft, Date: 9/28/2020



WATER TABLE FOR ESTIMATING PURPOSES ONLY

GREGG DRILLING, LLC
WWW.GREGGDRILLING.COM

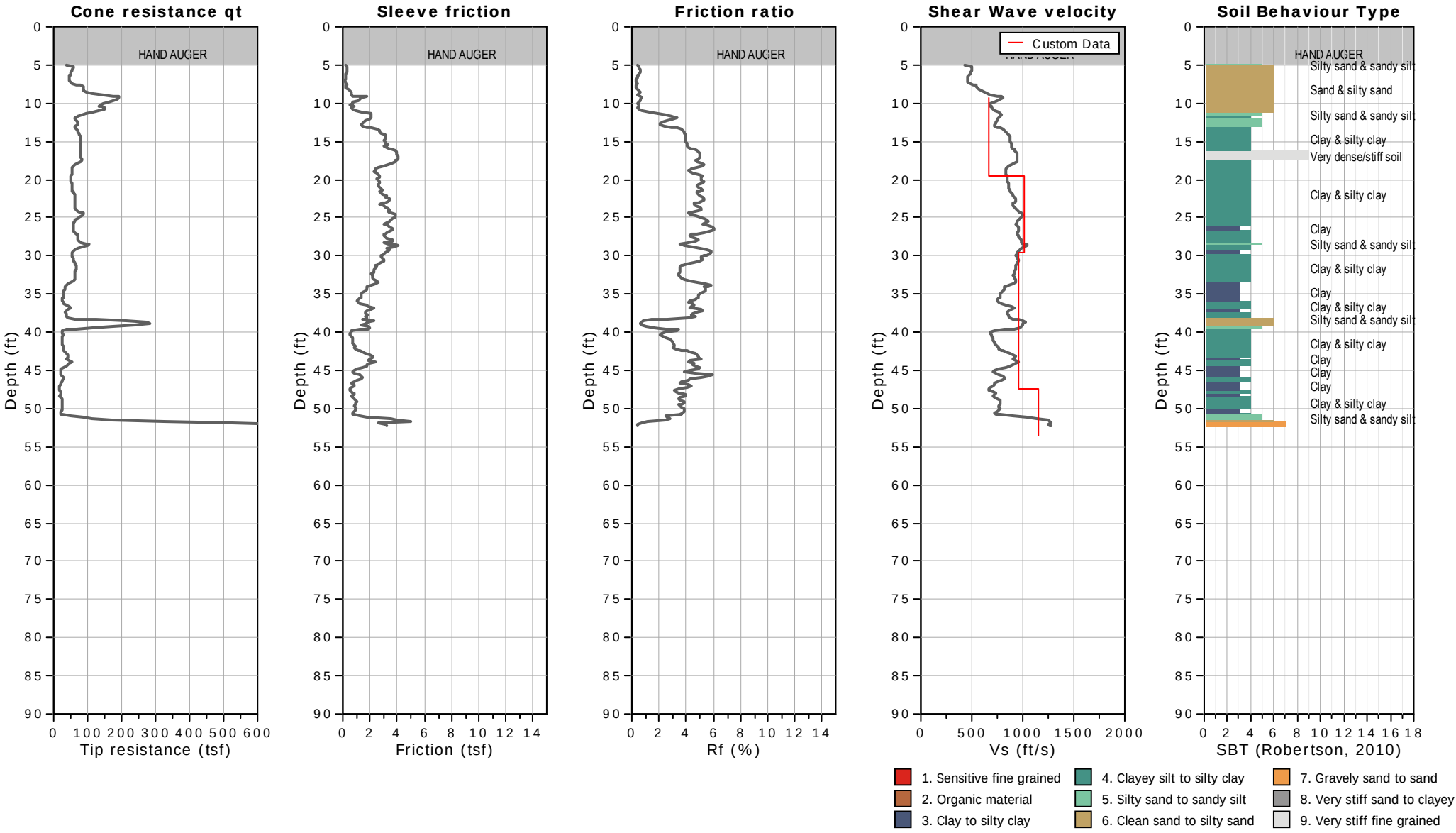
CPT: CPT-02

CLIENT: AECOM

FIELD REP: PAUL B.

SITE: SANTA CLARA MEDICAL, SAN JOSE, CA

Total depth: 52.33 ft, Date: 9/29/2020



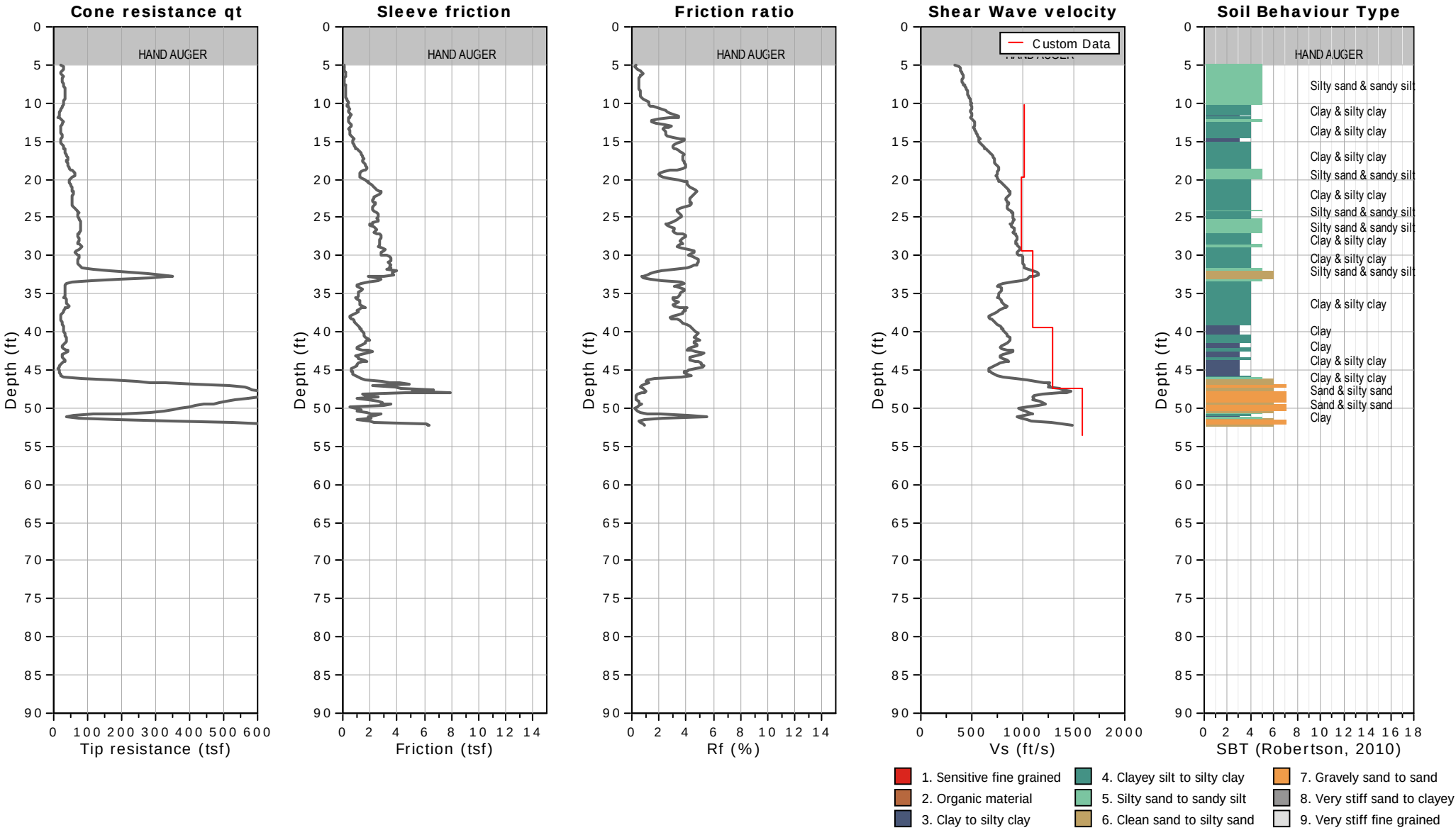
CPT: CPT-03

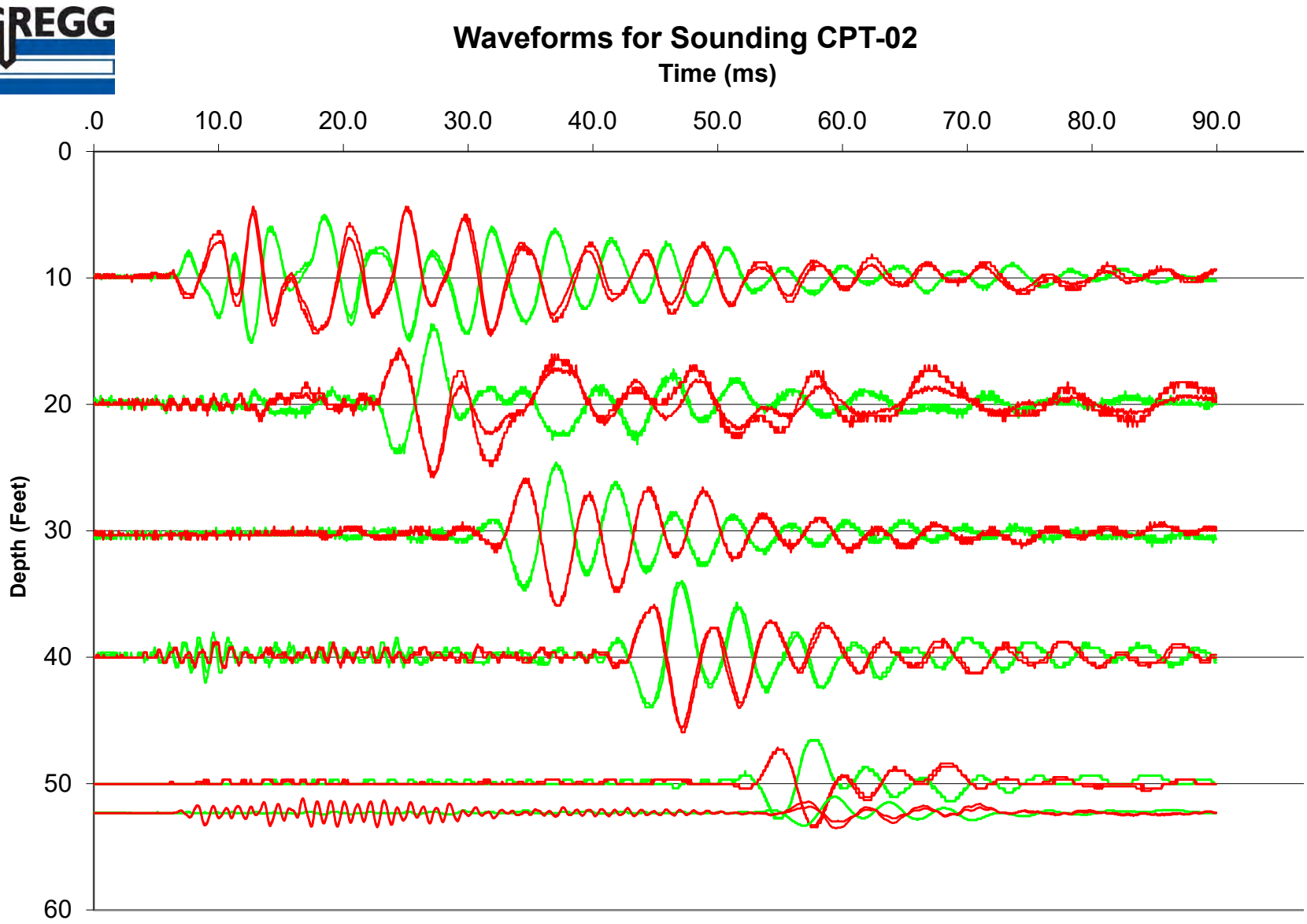
CLIENT: AECOM

FIELD REP: PAUL B.

SITE: SANTA CLARA MEDICAL, SAN JOSE, CA

Total depth: 52.33 ft, Date: 9/28/2020




GREGG
Waveforms for Sounding CPT-02
Time (ms)
.0
10.0
20.0
30.0
40.0
50.0
60.0
70.0
80.0
90.0
Depth (Feet)
0
10
20
30
40
50
60

Shear Wave Velocity Calculations

SANTA CLARA MEDICAL C.

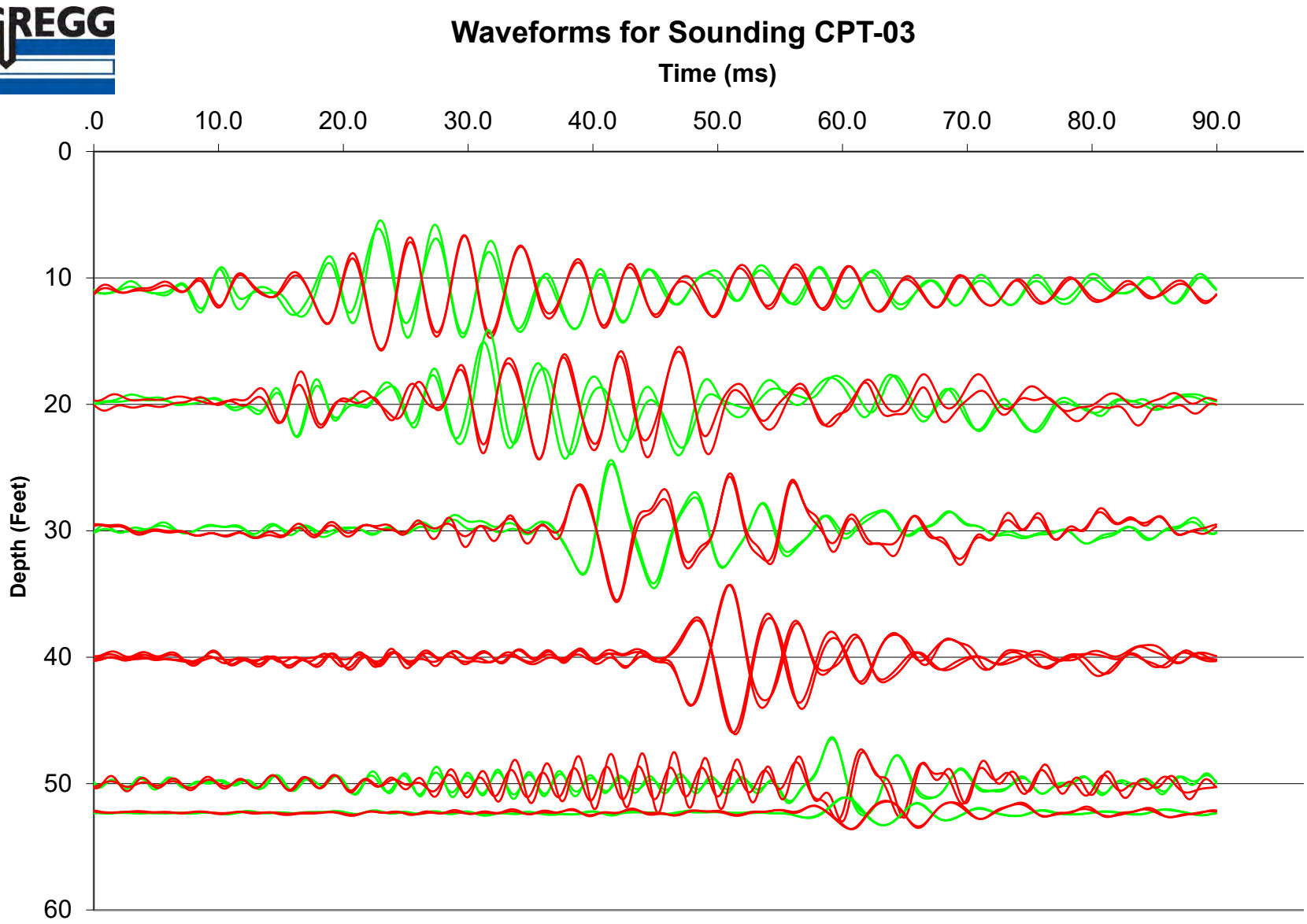
CPT-02

Geophone Offset: 0.66 Feet

Source Offset: 1.67 Feet

09/29/20

Test Depth (Feet)	Geophone Depth (Feet)	Waveform Ray Path (Feet)	Incremental Distance (Feet)	Characteristic Arrival Time (ms)	Incremental Time Interval (ms)	Interval Velocity (Ft/Sec)	Interval Depth (Feet)
10.01	9.35	9.49	9.49	10.7500			
20.01	19.35	19.42	9.93	25.7000	14.9500	664.2	14.35
30.35	29.69	29.73	10.31	35.8000	10.1000	1020.8	24.52
40.03	39.37	39.40	9.67	45.9000	10.1000	957.1	34.53
50.03	49.37	49.40	10.00	56.3500	10.4500	956.9	44.37
52.33	51.67	51.70	2.30	58.3500	2.0000	1147.7	50.52


GREGG
Waveforms for Sounding CPT-03
Time (ms)
.0
10.0
20.0
30.0
40.0
50.0
60.0
70.0
80.0
90.0
Depth (Feet)
0
10
20
30
40
50
60

Shear Wave Velocity Calculations

SANTA CLARA MEDICAL C.

CPT-03

Geophone Offset: 0.66 Feet

Source Offset: 1.67 Feet

09/28/20

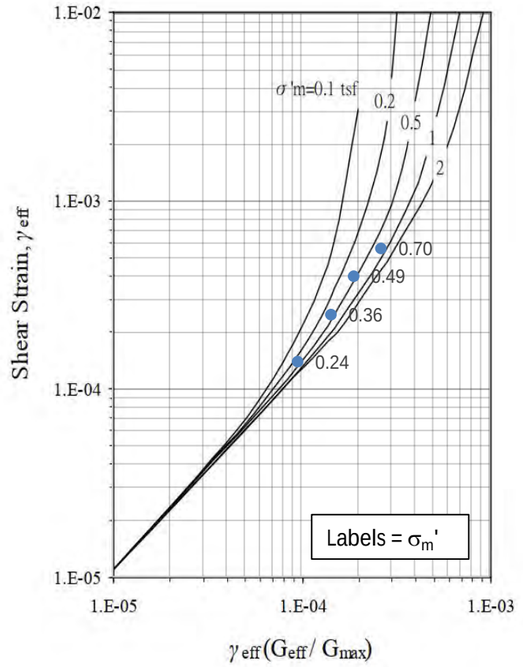
Test Depth (Feet)	Geophone Depth (Feet)	Waveform Ray Path (Feet)	Incremental Distance (Feet)	Characteristic Arrival Time (ms)	Incremental Time Interval (ms)	Interval Velocity (Ft/Sec)	Interval Depth (Feet)
11.15	10.49	10.63	10.63	21.5500			
20.18	19.52	19.59	8.96	30.3500	8.8000	1018.4	15.01
30.02	29.36	29.41	9.82	40.3000	9.9500	986.8	24.44
40.19	39.53	39.57	10.16	49.5500	9.2500	1098.2	34.44
50.03	49.37	49.40	9.84	57.1500	7.6000	1294.1	44.45
52.33	51.67	51.70	2.30	58.6000	1.4500	1583.0	50.52

Calculation of Dry Seismic Settlement with Pradel, 1998 and Tokimatsu and Seed, 1984
B-29

Calculated by: John Lim
Checked by: Anne-Marie Moore

Depth	N_{field}	$N_{1,60}$	$N_{1,60,cs}$	Sand or Clay	V_s [1]	G_{max} [2]	G_{max} [3]	Selected G_{max}
ft	bpf	bpf	bpf		ft/s	psf	psf	psf
1.75	17	17.4	21.9	Clay	697	1.81E+06	4.54E+06	3.00E+06
3.75	11	11.3	15.8	Clay	782	2.28E+06	3.38E+06	3.00E+06
5.75	11	11.8	16.3	Sand	889	2.94E+06	3.49E+06	3.00E+06
8.75	8	10.8	15.2	Sand	978	3.56E+06	3.27E+06	3.00E+06
11.75	6	7.1	11.6	Sand	969	3.50E+06	2.46E+06	3.00E+06
16.75	10	7.7	12.2	Sand	1087	4.41E+06	2.60E+06	3.00E+06
21.75	25	17.2	21.7	Clay	1389	7.19E+06	4.50E+06	3.00E+06
24.25	20.00	13	17	Clay	1347	6.76E+06	3.71E+06	3.00E+06

[1] All Soils; Dejong and Shantz, 2012
[2] $G_{max} = \rho V_s^2$
[3] Imai and Tonouchi, 1982



Pradel, 1998

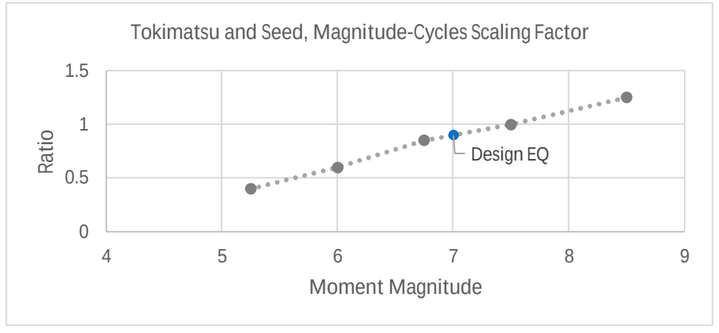
									K_0	0.5				Nc	10.85			
Depth	N_{field}	$N_{1,60}$	$N_{1,60,cs}$	Sand or Clay	CSR	τ	σ_v	σ_v'	R	p	a	b	Cyclic Shear Strain, γ	Volumetric Strain, $\varepsilon_{c,15}$	Volumetric Strain, ε_c	H	Settlement	Total
ft	bpf	bpf	bpf			psf	psf	psf	(-)	(psf)	(-)	(-)	(%)	(%)	(%)	(ft)	(in)	(in)
1.75	17	17.4	21.9	Clay	0.40	88.3	219	219	2.94E-05	145.8	0.13	31855	#N/A	#N/A	#N/A	4	0	0.2
3.75	11	11.3	15.8	Clay	0.40	188.1	469	469	6.27E-05	312.5	0.13	20164	#N/A	#N/A	#N/A	2	0	
5.75	11	11.8	16.3	Sand	0.40	286.6	719	719	9.55E-05	479.2	0.13	15603	0.01	0.02	0.015	3	0.011	
8.75	8	10.8	15.2	Sand	0.39	431.3	1094	1094	1.44E-04	729.2	0.14	12128	0.02	0.03	0.027	3	0.019	
11.75	6	7.1	11.6	Sand	0.39	572.2	1469	1469	1.91E-04	979.2	0.14	10162	0.03	0.06	0.055	5	0.066	
16.75	10	7.7	12.2	Sand	0.38	797.3	2094	2094	2.66E-04	1395.8	0.15	8215	0.05	0.10	0.084	5	0.101	
21.75	25	17.2	21.7	Clay	0.37	1009.0	2719	2719	3.36E-04	1812.5	0.16	7023	#N/A	#N/A	#N/A	3	0	
24.25	20.00	12.95	17.43	Clay	0.37	1.11E+03	3031	3031	0.000	2020.8	0.2	6579.2	#N/A	#N/A	#N/A	25.8	0	

Tokimatsu and Seed, 1984

Depth	N_{field}	$N_{1,60}$	$N_{1,60,cs}$	Sand or Clay	Selected G_{max}	τ
ft	bpf	bpf	bpf		psf	psf
1.75	17	17.4	21.9	Clay	3.00E+06	88.3
3.75	11	11.3	15.8	Clay	3.00E+06	188.1
5.75	11	11.8	16.3	Sand	3.00E+06	286.6
8.75	8	10.8	15.2	Sand	3.00E+06	431.3
11.75	6	7.1	11.6	Sand	3.00E+06	572.2
16.75	10	7.7	12.2	Sand	3.00E+06	797.3
21.75	25	17.2	21.7	Clay	3.00E+06	1009.0
24	20	13	17	Clay	3.00E+06	1.11E+03

γ_{eff}*(G_{eff}/G_m)	γ_{eff}	σ_m'	Cyclic Shear Strain, γ	Cyclic Shear Strain, γ	Volumetric Strain, $\varepsilon_{c,15}$	Volumetric Strain, ε_c	H	Settlement	Total
		tsf		(%)	(%)	(%)	(ft)	(in)	(in)
#N/A	#N/A	0.07	#N/A	#N/A			4	0	0.2
#N/A	#N/A	0.16	#N/A	#N/A			2	0	
9.55E-05	1.40E-04	0.24	1.40E-04	0.01	0.02	0.018	3	0.013	
1.44E-04	2.50E-04	0.36	2.50E-04	0.03	0.038	0.034	3	0.025	
1.91E-04	4.00E-04	0.49	4.00E-04	0.04	0.08	0.072	5	0.086	
2.66E-04	5.60E-04	0.70	5.60E-04	0.06	0.11	0.099	5	0.119	
#N/A	#N/A	0.91	#N/A	#N/A			3	0	
#N/A	#N/A	1.01	#N/A	#N/A			25.8	0	

Design EQ	
Magnitude	Ratio
7	0.9



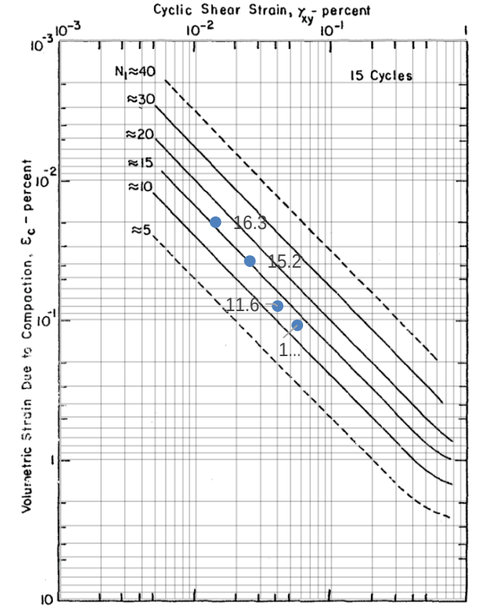


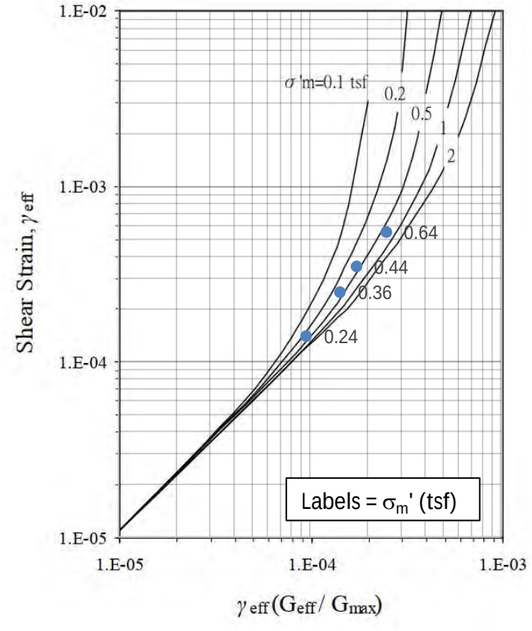
FIG. 14 RELATIONSHIP BETWEEN VOLUMETRIC STRAIN, SHEAR STRAIN AND PENETRATION RESISTANCE FOR DRY SANDS

Calculation of Dry Seismic Settlement with Pradel, 1998 and Tokimatsu and Seed, 1984
B-30

Calculated by: John Lim
Checked by: Anne-Marie Moore

Depth	N_{field}	$N_{1,60}$	$N_{1,60,cs}$	Sand or Clay	V_s [1]	G_{max} [2]	G_{max} [3]	Selected G_{max}
ft	bpf	bpf	bpf		ft/s	psf	psf	psf
1.75	10	10.3	14.7	Clay	622	1.44E+06	3.17E+06	3.00E+06
3.75	5	5.1	9.6	Clay	660	1.63E+06	1.98E+06	3.00E+06
5.75	6	6.6	11.0	Sand	783	2.29E+06	2.34E+06	3.00E+06
8.75	9	12.2	16.6	Sand	1004	3.75E+06	3.55E+06	3.00E+06
10.75	23	27.1	27.1	Sand	1262	5.93E+06	6.12E+06	3.00E+06
15.75	11	12.6	17.1	Sand	1189	5.27E+06	3.64E+06	3.00E+06
20.25	15	10.6	15.1	Clay	1228	5.62E+06	3.25E+06	3.00E+06

[1] All Soils; Dejong and Shantz, 2012
[2] $G_{max} = \rho V_s^2$
[3] Imai and Tonouchi, 1982



Pradel, 1998

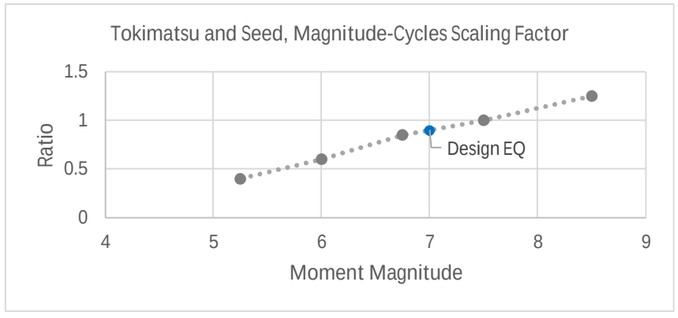
									K_0	0.5				Nc	10.85			
Depth	N_{field}	$N_{1,60}$	$N_{1,60,cs}$	Sand or Clay	CSR	τ	σ_v	σ_v'	R	p	a	b	Cyclic Shear Strain, γ	Volumetric Strain, $\varepsilon_{c,15}$	Volumetric Strain, ε_c	H	Settlement	Total
ft	bpf	bpf	bpf			psf	psf	psf	(-)	(psf)	(-)	(-)	(%)	(%)	(%)	(ft)	(in)	(in)
1.75	10	10.3	14.7	Clay	0.40	88.3	219	219	2.94E-05	145.8	0.13	31855	#N/A	#N/A	#N/A	4	0	0.1
3.75	5	5.1	9.6	Clay	0.40	188.1	465	469	6.27E-05	310.0	0.13	20262	#N/A	#N/A	#N/A	2	0	
5.75	6	6.6	11.0	Sand	0.40	286.6	705	719	9.55E-05	470.0	0.13	15784	0.01	0.03	0.024	3	0.017	
8.75	9	12.2	16.6	Sand	0.39	431.3	1065	1094	1.44E-04	710.0	0.14	12324	0.02	0.03	0.025	2	0.012	
10.75	23	27.1	27.1	Sand	0.39	525.7	1305	1344	1.75E-04	870.0	0.14	10909	0.03	0.02	0.018	5	0.022	
15.75	11	12.6	17.1	Sand	0.38	753.3	1909	1969	2.51E-04	1272.5	0.15	8683	0.05	0.06	0.053	5	0.057	
20.25	15	10.6	15.1	Clay	0.37	946.9	2471	2531	3.16E-04	1647.5	0.15	7437	#N/A	#N/A	#N/A	30	0	

Tokimatsu and Seed, 1984

Depth	N_{field}	$N_{1,60}$	$N_{1,60,cs}$	Sand or Clay	Selected G_{max}	τ
ft	bpf	bpf	bpf		psf	psf
1.75	10	10.3	14.7	Clay	3.00E+06	88.3
3.75	5	5.1	9.6	Clay	3.00E+06	188.1
5.75	6	6.6	11.0	Sand	3.00E+06	286.6
8.75	9	12.2	16.6	Sand	3.00E+06	431.3
10.75	23	27.1	27.1	Sand	3.00E+06	525.7
15.75	11	12.6	17.1	Sand	3.00E+06	753.3
20.25	15	10.6	15.1	Clay	3.00E+06	946.9

γ_{eff}*(G_{eff}/G_m)	γ_{eff}	σ_m'	Cyclic Shear Strain, γ	Cyclic Shear Strain, γ	Volumetric Strain, $\varepsilon_{c,15}$	Volumetric Strain, ε_c	H	Settlement	Total
		tsf		(%)	(%)	(%)	(ft)	(in)	(in)
#N/A	#N/A	0.07	#N/A	#N/A			4	0	0.1
#N/A	#N/A	0.16	#N/A	#N/A			2	0	
9.55E-05	1.40E-04	0.24	1.40E-04	0.01	0.03	0.027	3	0.019	
1.44E-04	2.50E-04	0.36	2.50E-04	0.03	0.032	0.029	2	0.014	
1.75E-04	3.50E-04	0.44	3.50E-04	0.04	0.025	0.023	5	0.027	
2.51E-04	5.50E-04	0.64	5.50E-04	0.06	0.07	0.063	5	0.068	
#N/A	#N/A	0.82	#N/A	#N/A			30	0	

Design EQ	
Magnitude	Ratio
7	0.9



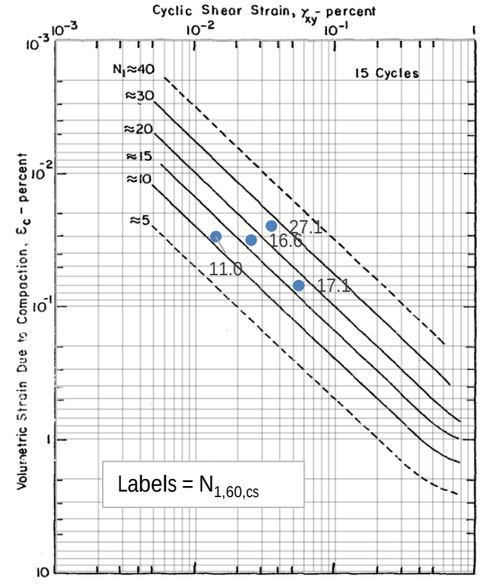
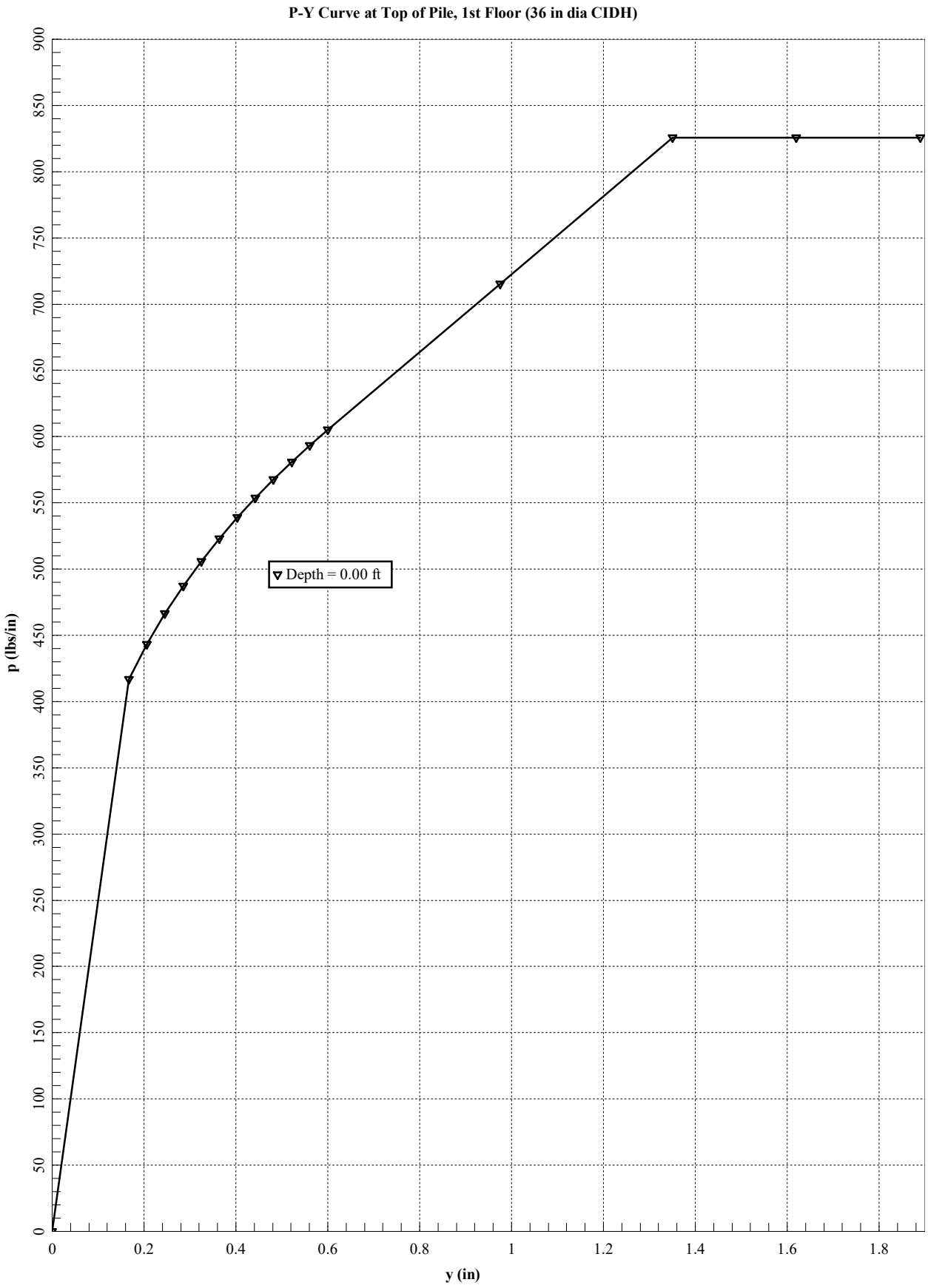
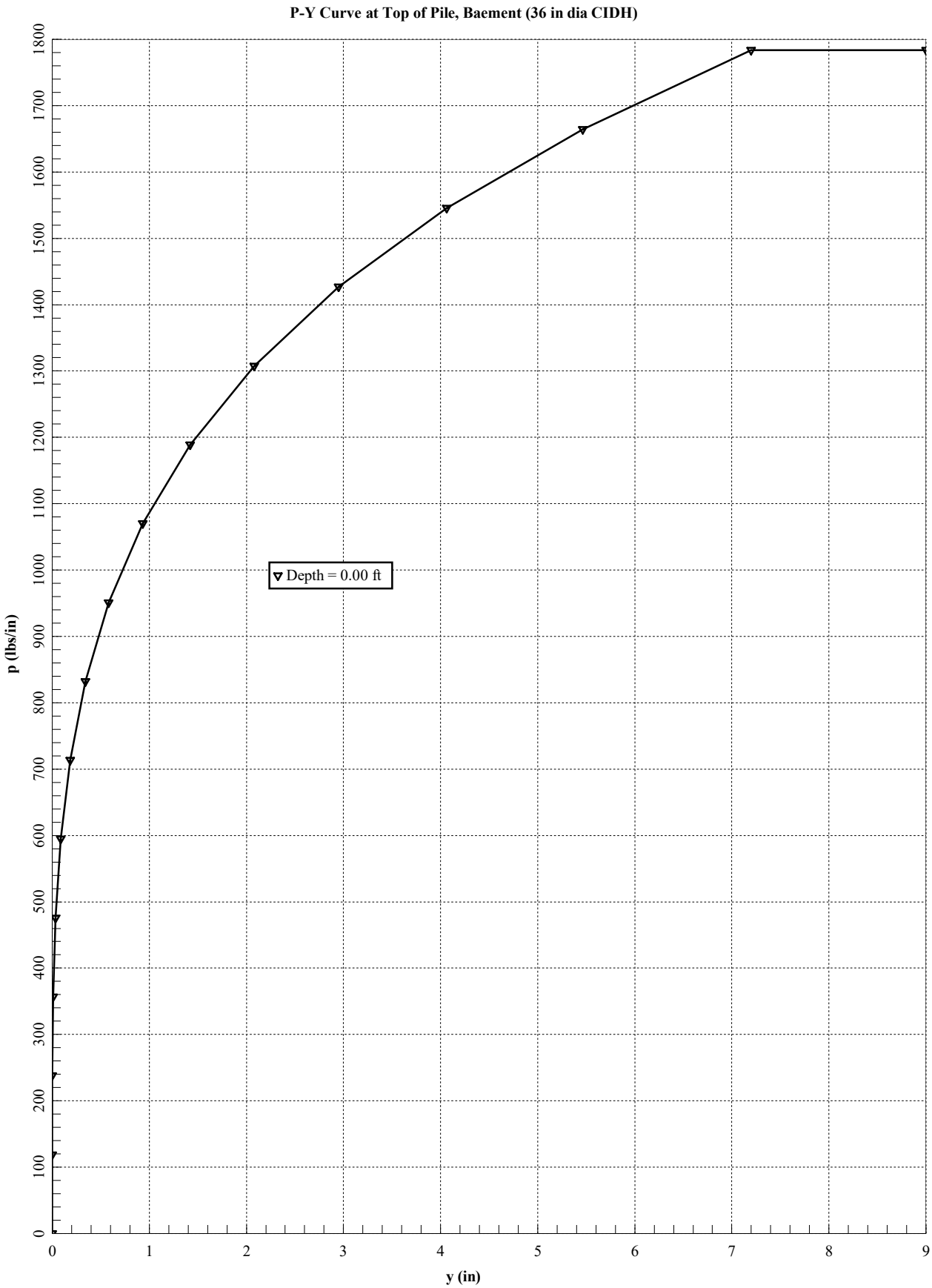
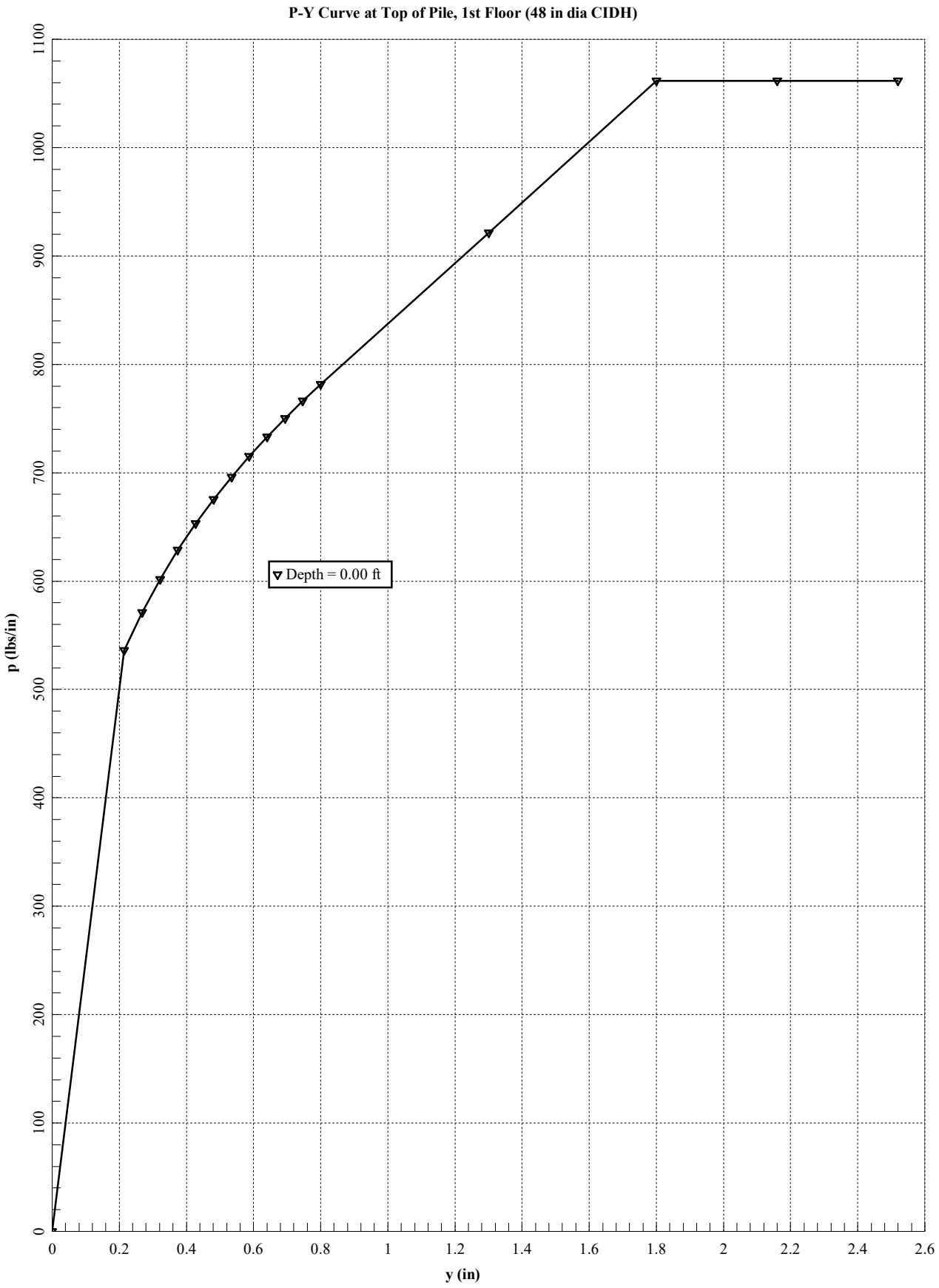
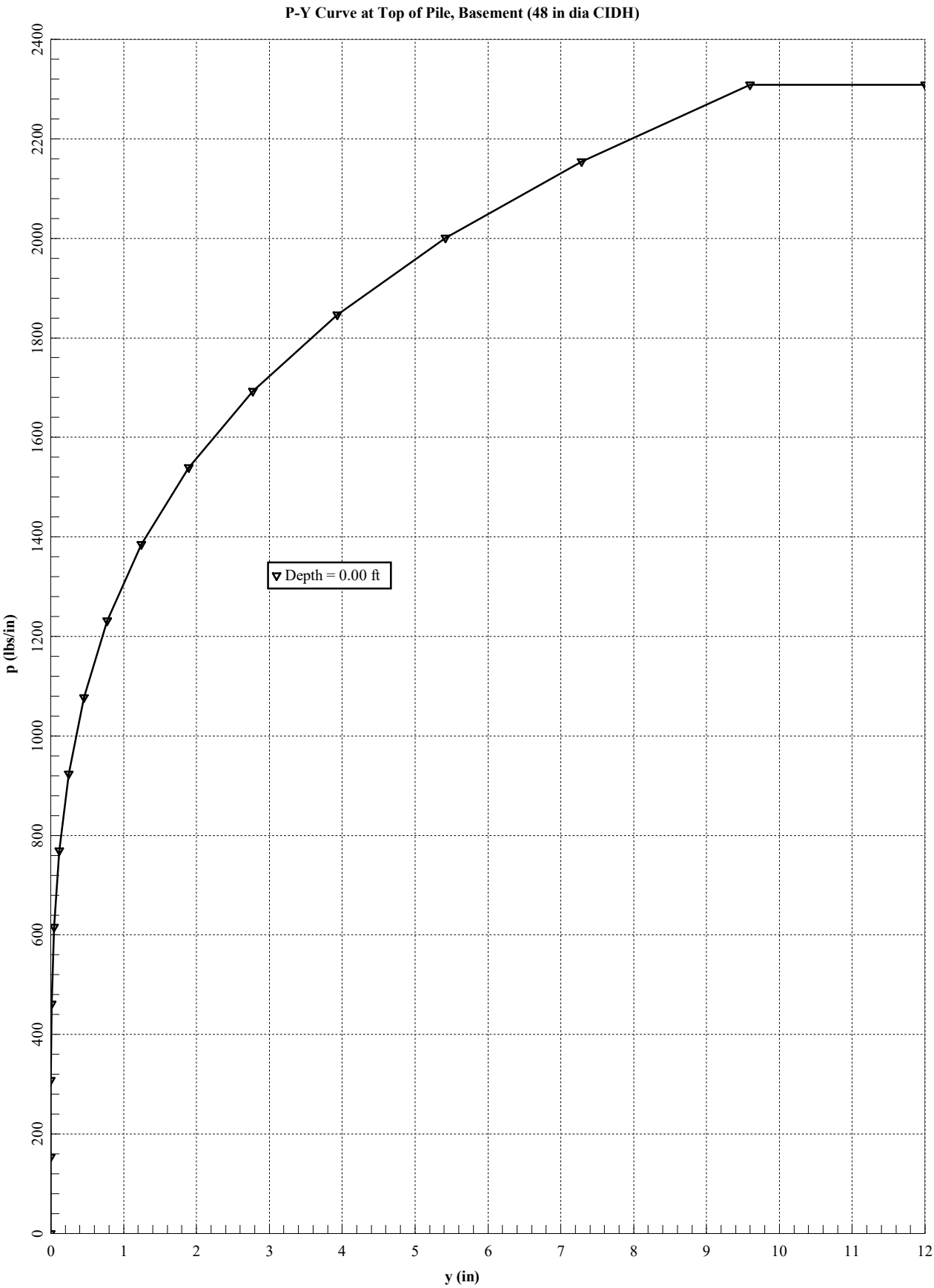


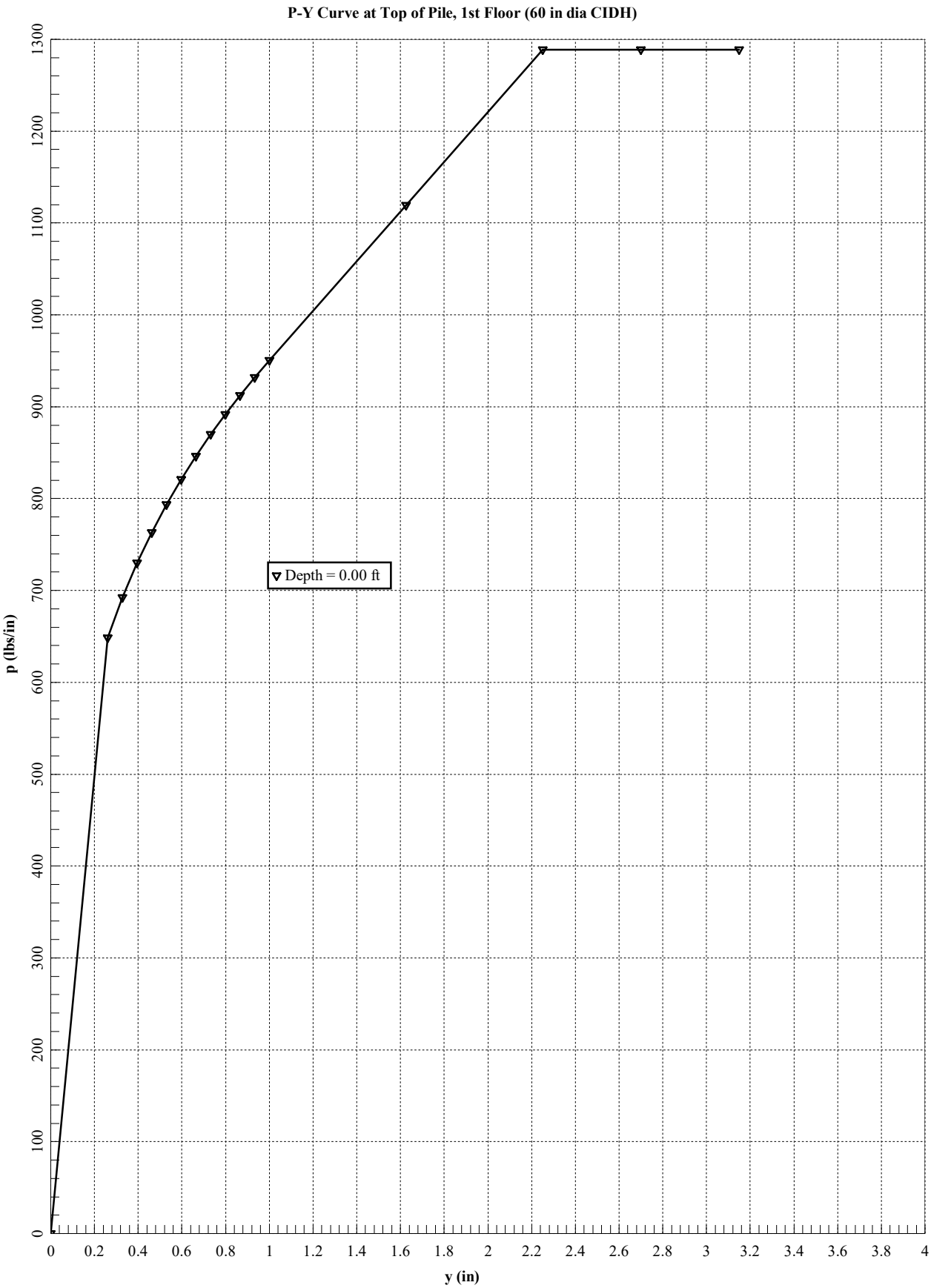
FIG. 14 RELATIONSHIP BETWEEN VOLUMETRIC STRAIN, SHEAR STRAIN AND PENETRATION RESISTANCE FOR DRY SANDS

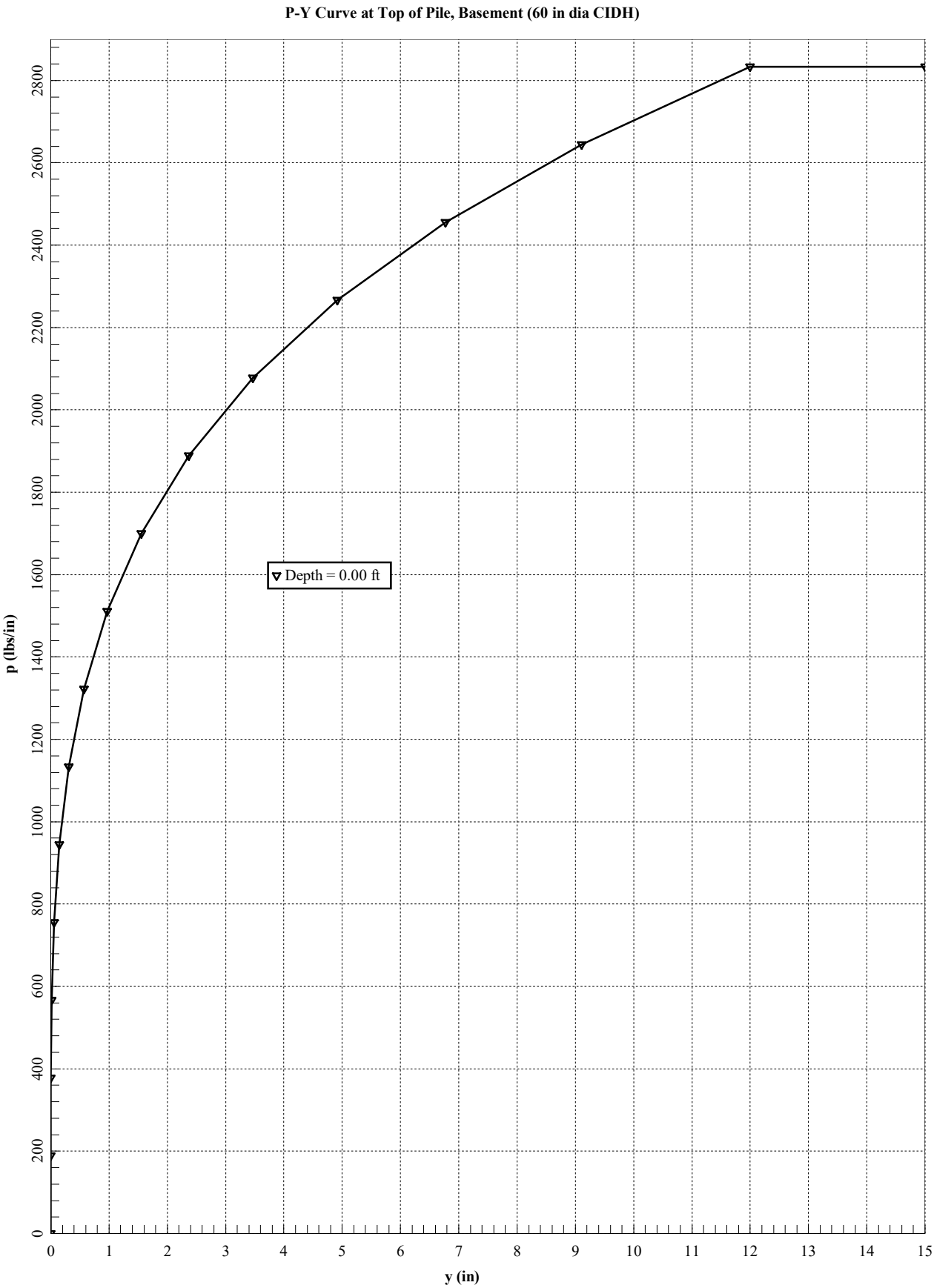

P-Y Curve at Top of Pile, 1st Floor (36 in dia CIDH)
p (lbs/in)
y (in)
Depth = 0.00 ft
0
50
100
150
200
250
300
350
400
450
500
550
600
650
700
750
800
850
900
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8

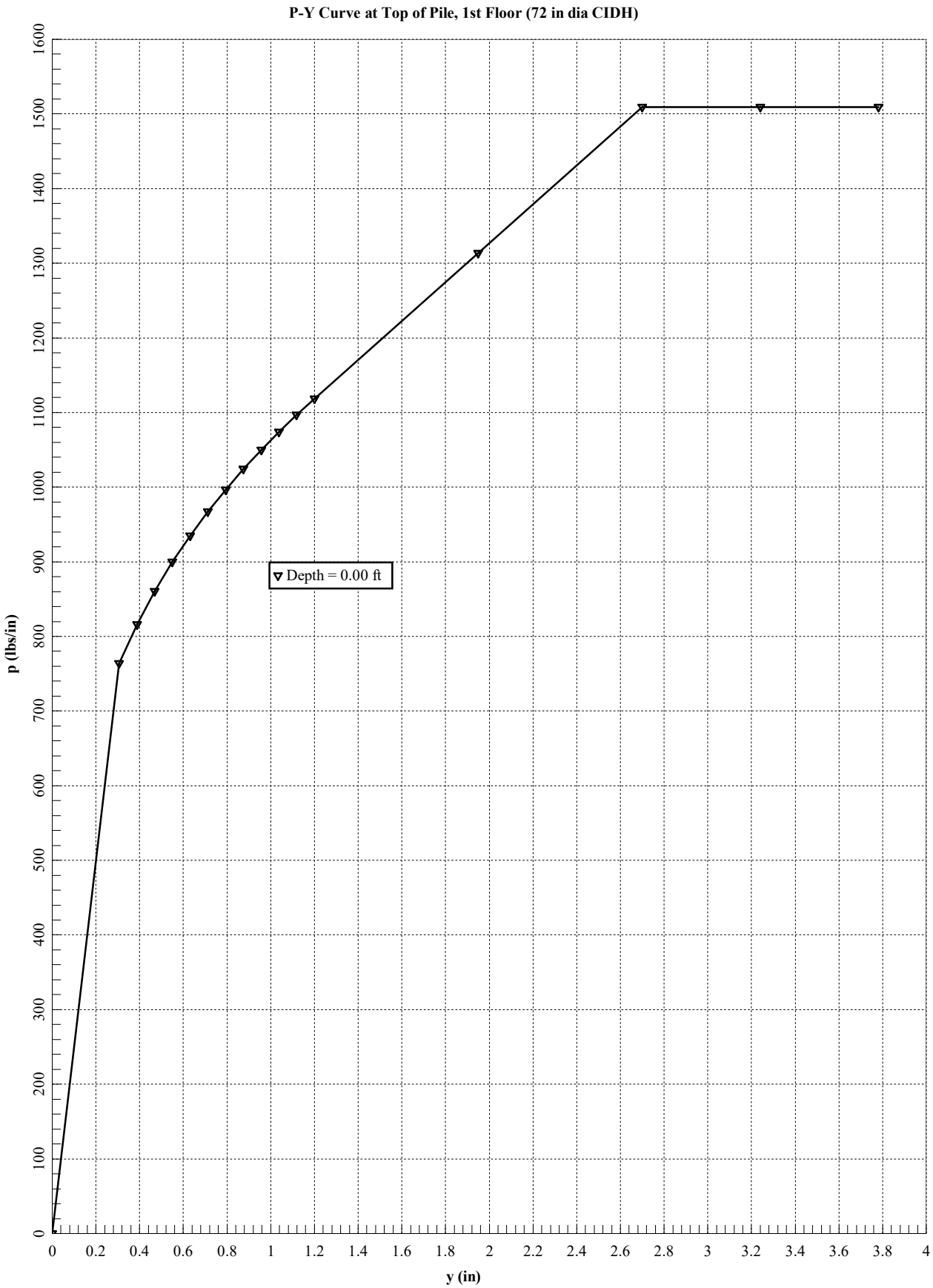

P-Y Curve at Top of Pile, Baement (36 in dia CIDH)
p (lbs/in)
y (in)
Depth = 0.00 ft
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
0
1
2
3
4
5
6
7
8
9

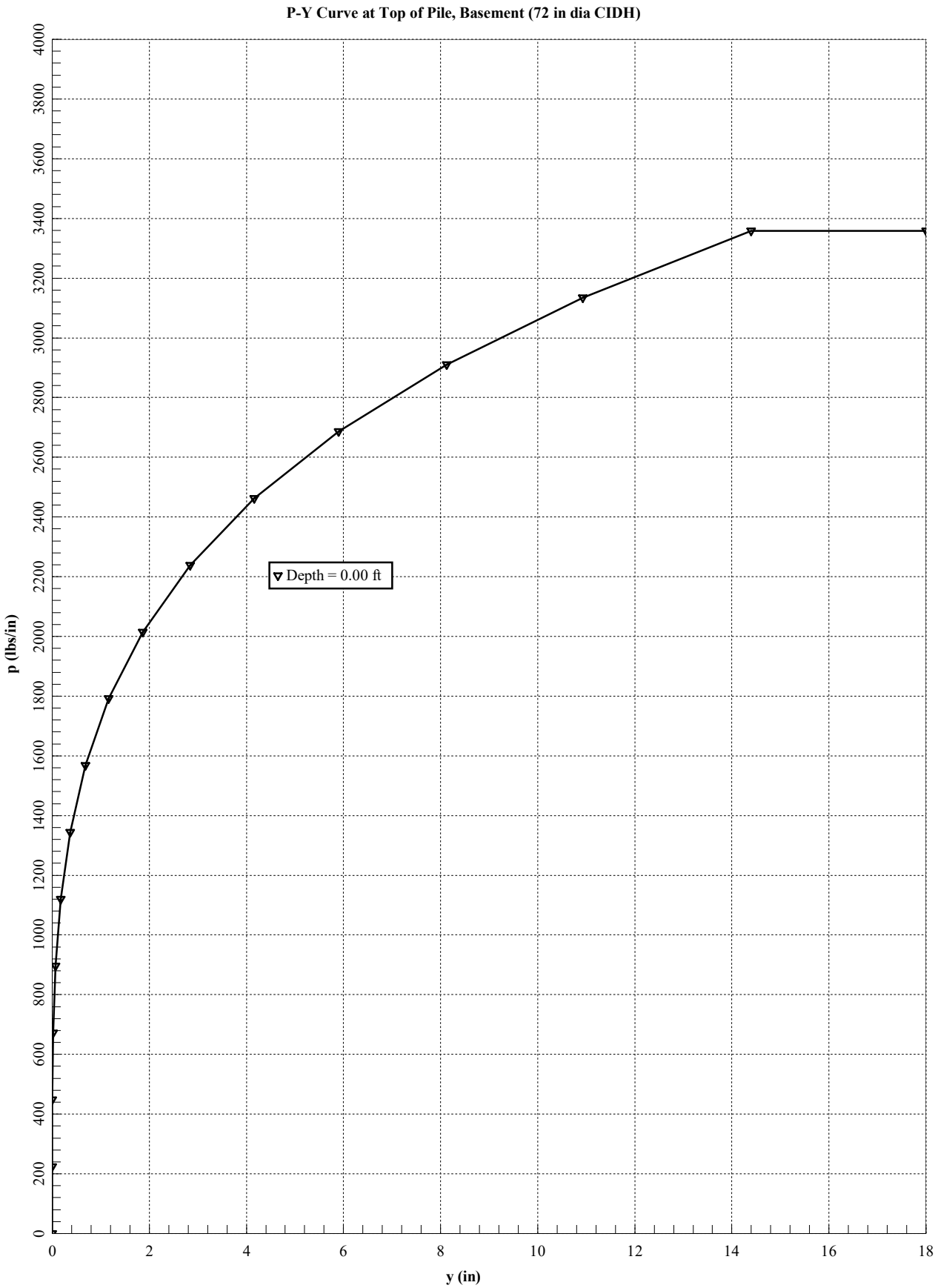

P-Y Curve at Top of Pile, 1st Floor (48 in dia CIDH)
p (lbs/in)
y (in)
Depth = 0.00 ft
0
100
200
300
400
500
600
700
800
900
1000
1100
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
2.4
2.6


P-Y Curve at Top of Pile, Basement (48 in dia CIDH)
p (lbs/in)
y (in)
Depth = 0.00 ft
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
0
1
2
3
4
5
6
7
8
9
10
11
12


P-Y Curve at Top of Pile, 1st Floor (60 in dia CIDH)
p (lbs/in)
y (in)
Depth = 0.00 ft
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
2.4
2.6
2.8
3
3.2
3.4
3.6
3.8
4


P-Y Curve at Top of Pile, Basement (60 in dia CIDH)
p (lbs/in)
y (in)
Depth = 0.00 ft
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15


P-Y Curve at Top of Pile, 1st Floor (72 in dia CIDH)
p (lbs/in)
y (in)
Depth = 0.00 ft
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
2.4
2.6
2.8
3
3.2
3.4
3.6
3.8
4


P-Y Curve at Top of Pile, Basement (72 in dia CIDH)
p (lbs/in)
y (in)
Depth = 0.00 ft
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
2400
2600
2800
3000
3200
3400
3600
3800
4000
0
2
4
6
8
10
12
14
16
18

The following Guide Specifications for Drilled Concrete Piers and Shafts, Section 31 63 29, incorporate geotechnical input in general conformance with CSI format. The Design Team should thoroughly review the section to confirm its applicability to the BHSC project and make any necessary revisions subject to review and concurrence by the Geotechnical Engineer.

SECTION 31 63 29

Drilled Concrete Piers and Shafts

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General Conditions and Division 1 - Specification sections, apply to work of this section

B. Available Information: "Engineering Geology/Geotechnical Engineering Report, Behavioral Health Services Center, Santa Clara Valley Medical Center, San Jose, California," dated December 10, 2020, by URS, is available in accordance with "Information Available to Bidders."

1.2 QUALITY ASSURANCE

A. Codes and Standards:Perform work in compliance with the applicable requirements of governing authorities having jurisdiction, including provisions for adequate protection to persons and property and ACI 336.1R-01.

B. Inspection and testing will be performed in accordance with procedures and administrative requirements of Division ___ Section, "Quality".

C. The Geotechnical Engineer will be the Owner's representative to observe the installation of all piers. The Geotechnical Engineer shall approve the method of installation, substantiate the adequacy of the soil materials encountered in the excavations, and submit a written report regarding the ability of the piers to support the design loads.

D. Prior to placing concrete, all pier excavations shall be evaluated by the Geotechnical Engineer. Sufficient time shall be provided to allow the Geotechnical Engineer to evaluate the adequacy of the foundation material, measure pier dimensions, plumbness, and amount of water, if any, at the bottom of the shaft. No concrete shall be placed without the approval of the Geotechnical Engineer. During concrete placement, the Geotechnical Engineer shall observe the method and record any deviations from the requirements set forth in these Specifications. Piers completed without approval may be rejected and shall, in the event of such rejection, be replaced at the Contractor's expense.

E. The Testing Agency will:
   1. Special Inspect reinforcing steel, as required by 2019 California Building Code (CBC) Section 1705, for conformance with Contract Documents.
   2. Special Inspect concrete placement, as required by CBC Section 1705, for conformance with Contract Documents.
   3. Sample and test concrete for compressive strength and slump in accordance with Division ___ Section, "Cast-in-Place Concrete."

1.3 REFERENCES

A. Standards listed below apply where designation is cited in this Section. Where the applicable year of adoption or revision is not listed, the latest edition applies.

B. 2019 California Building Code (CBC)

C. ACI 336.1-01, Specification for the Construction of Drilled Piers, latest edition

1.4 SUBMITTALS

A. Submittal procedures and administrative provisions are established by Division ____ Section, "Submittals".

B. The Contractor shall submit a drilled pier installation plan to the Geotechnical Engineer for approval. The pier installation plan shall be submitted at least 15 days before constructing and shall include complete descriptions, details, and supporting calculations for the following:
   1. Concrete mix design, certified test data, and trial batch reports.
   2. Drilling methods and equipment, including what is needed to achieve a clean pier bottom for end-bearing.
   3. Proposed method for casing installation and removal when necessary.
   4. Plan view drawing of pier showing reinforcement. Include inspection pipes on the drawing if inspection pipes are required.
   5. Methods for placing, positioning, and supporting bar reinforcement.
   6. Methods and equipment for determining the depth of concrete and actual and theoretical volume placed, including effects on volume of concrete when any casings are withdrawn.
   7. Methods and equipment for verifying that the bottom of the drilled hole is clean before placing concrete.
   8. Methods and equipment for preventing upward movement of reinforcement, including the Contractor's means of detecting and measuring upward movement during concrete placement operations.

C. Conform to requirements of Division ___ Sections, “Concrete Reinforcement” for reinforcement and “Cast-in-Place Concrete” for concrete.

D. Sample reinforcing case centralizer.

1.5 QUALITY ASSURANCE

A. Conform to requirements of Division ___ Sections, “Concrete Reinforcement” for reinforcement and “Cast-in-Place Concrete” for concrete.

B. Contractor Qualifications
   1. Work shall be performed by a Contractor regulary engaged in drilled shaft construction in similar ground conditions, with similar shaft diameters and where support in end-bearing is required.
   2. The Superintendent and Operator(s) must have successfully completed a minimum of five projects of similar complexity, in similar ground conditions with similar shaft diameters and where support of driller pier is derived from end-bearing.

1.6 PROJECT/SITE CONDITIONS

A. Site Information: Engineering Geology/Geotechnical Engineering Report is available for review.

B. Additional soil borings and other exploratory operations may be made by the Contractor at no cost to the Owner.

PART 2 - PRODUCTS

2.1 EQUIPMENT

A. Drilling Equipment:
   1. Provide drilling rig equipped with two-way leveling and two-way horizontal positioning.
   2. Rig to be of sufficient power, weight, and shaft length to drill to indicated depth through soils conforming generally to those indicated as existing on site by Geotechnical Engineering Report.

2.2 MATERIALS

A. Concrete and reinforcing per Division _____ Sections.

PART 3 - EXECUTION

3.1 PREPARATION

A. Perform field engineering and layout work including furnishing necessary centerlines, offsets, and grades stakes required for piers.

B. Notify the Geotechnical Engineer at least 4 working days in advance of the beginning of such work or on resumption of drilling after stoppage. Any hole drilled or cast without continuous observation of the Geotechnical Engineer will be rejected.

C. Existing Utilities:
   1. See Section _____.
   2. Should uncharted or incorrectly charted piping or other utilities be encountered, consult the Architect immediately for directions as to procedure. Cooperate with the Owner, and public or private utility companies in keeping their respective services and facilities in operation. Repair damaged utilities to the satisfaction of the utility owner.

3.2 SEQUENCING AND SCHEDULING

A. Schedule drilling and casting such that each pier is cast within 24 hours of start of drilling.

B. Do not drill holes centered closer than 6 pier diameters to any previously drilled pier until at least 12 hours have elapsed since casting of previously drilled piers.

3.3 DRILLING

A. Lengths of piers are shown on Drawings, based on anticipated subsurface soil conditions.

B. Drill holes for piers to the required elevation, as shown on the drawings.

C. Take necessary measures to prevent hole caving or sloughing.

D. Drilling slurry shall not be used, except with written approval of Geotechnical Engineer and submittal of a comprehensive slurry displacement pier placement plan.

E. Keep holes free from water to extent possible. Water may be introduced only in small amounts as required to raise cuttings; amount and procedure subject to approval by the Geotechnical Engineer.

F. Hand clean or machine clean pier bottoms to remove soils loosened by drilling action.

G. Do not drill holes that cannot be concreted the same day.

H. Tolerances:
   a. Locate the centerline of piers on the centerline of bearing construction, unless otherwise shown on the drawings. Cross stake each pier centerline to preserve locations for installing dowels, anchors, reinforcing.
   b. Do not exceed the following tolerances:
      Shaft Centerline Locations: 1/24 of shaft diameter but not to exceed 2 inches.
      Shaft Variation to Plumb: 1.5% of length or 12.5% of shaft diameter.
      Concrete Cutoff Elevation: +1 inch to -1 inch.
      Concrete cover over reinforcing steel: 3 inches minimum at any point.

I. Obstructions: The work of this Section includes demolition and removal of concrete, masonry, and other subsurface obstructions.

J. Excavated Material: Remove excavated material and legally dispose of it off the site, unless otherwise approved by the Owner.

3.4 REINFORCING

A. Fabricate and erect reinforcing cages in piers as one continuous unit. Place reinforcement accurately and symmetrically about axis of hole and hold securely in position during concrete placement.

B. Use templates to set anchor bolts, leveling plates and other accessories furnished under work of other sections. Provide blocking and holding devices to maintain required position during concrete placement.

C. Protect exposed ends of anchor bolts from mechanical damage and exposure to the weather.

D. Use crane sufficient to handle cage and casing vertical and clear ground and other obstructions.

E. Select pick up points and lift and set cages to prevent any permanent distortion of cage. Internal cross-stiffeners, provided to prevent cage distortion during pick up, shall be removed as cage is lowered into hole.

F. Lower cage into hole such that it does not “rake” sidewalls and cause sloughing.

3.5 EMBEDDED ITEMS

A. Set and build into the work anchor bolts and other embedded items required for other work that is attached to, or supported by, cast-in-place concrete. Use setting drawings, diagrams, instructions, and directions provided by suppliers of items to be attached.

3.6 TEMPORARY STEEL CASING

A. Holes need not be cased unless hole sloughs or is otherwise unstable as determined by the Geotechnical Engineer. If hole is unstable, provide steel casing for shaft excavation where required.

B. Casing shall conform to the following:
   1. Rigid steel pipe casing with inside diameter not less than required pier diameter
   2. Bent or distorted casing shall not be used
   3. Casing shall be thoroughly cleaned prior to use to remove bonded concrete, soil and lubricants. Casing shall not be lubricated to facilitate removal.

C. Provide casing of sufficient strength to withstand handling stresses, concrete pressure, and surrounding earth and/or fluid pressures.

D. Select diameter of casing in relation to diameter of pier excavation, such as to create a minimum of void space outside of casing.

E. Hole may be drilled as deep as it will stand prior to setting casing, but do not drill hole ahead of casing any further than hole will stand without sloughing. Where sloughing occurs, case hole to bottom of sloughing area immediately prior to drilling deeper in hole.

F. If hole is dewatered and cast in the dry, hold casing clear of bottom of hole, such that any seepage around casing drains into bottom of hole and water does not accumulate between casing and hole sidewall.

G. Remove casing. Failure to remove temporary casing will result in pier being deemed unsuitable.

3.7 DEWATERING

A. If depth of water in hole exceeds three (3) inches, hole shall be dewatered to within specified limit immediately prior to casting.

B. Seepage water entering hole during casting shall not exceed ACI guidelines.

3.8 CLEANING

A. All pier bottoms shall be cleaned of loosened material to the satisfaction of the Geotechnical Engineer. Straight sided piers can conceivably be cleaned with drilling equipment properly equipped with a cleanout bucket with a one-way flap gate that prevents soil in the bucket from reentering the pier.

3.9 CONCRETE PLACEMENT

A. After approval has been obtained for the excavation, reinforcement and embedded items, immediately fill piers with concrete. Provide edge protection as required to prevent edge spalling and dirt contaminating concrete.

B. Place concrete by the tremie method.
   1. Tremie casting shall be performed by puming concrete to tremie pipe using concrete pumping equipment capable of pumping at least 50 cubic yards per hour against head of concrete of 40 feet under job conditions.
   2. Use tremie concrete mix.
   3. Tremie pipe shall be rigid with tight couplings. Tremie pipe shall be straight to within ½ inch in 10 feet and at least 10 inches in diameter. Pipe length from bottom shall be marked prominently at 5-foot increments.
   4. Set tremie pipe in center of reinforcing cage and 6 inches off bottom of hole, when reinforcing cage is properly set.
   5. Tremie pipe shall not be raised until the concrete surface in hole is at least 10 feet above the bottom of tremie pipe or until pour is completed, including removal of muck and unsuitable concrete.
   6. Pumping of concrete shall be continued until all muck and unsuitable concrete have been lifted to top of pier elevation and removed, and entire pour consists of suitable concrete.
   7. After completion, vibrate concrete to a depth of at least 20 feet below top of pier. Remove standing water and any unsuitable concrete raised by consolidation.

C. Take care to prevent extraneous material from mixing with the fresh concrete.

D. If temporary steel casing is required to prevent cave-in, casing shall be withdrawn as concrete is placed. A minimum head of 5 feet of concrete shall be maintained within the casing at all times to prevent reduction of the diameter of the drilled shaft due to earth or hydrostatic pressure on the fresh concrete.

E. Stop the concrete placement at the cut-off elevation shown, screed off with slight slope to exterior for water drainage, and apply a steel trowel finish, unless otherwise shown. Form the top section above grade to the required elevation.

F. Interrupted placing operations of over one hour duration will require a cold joint installation. Leave the resulting shaft surface approximately level. If shaft is not reinforced, insert steel dowels as required.

G. At resumption of concrete placing, clean off surface laitance, roughen as required, and slush with a 1 to 1 cement grout before the remainder of concrete is placed.

3.10 DEFECTIVE WORK

A. In the event Owner's Representative deems a pier unsuitable, based on the observations of the Geotechnical Engineer, the Owner's Representative will establish remedial work, and the Contractor shall bear cost of remedy.

B. Any pier drilled or placed without continuous observation by the Geotechnical Engineer will be deemed unsuitable.

3.11 REMOVAL OF FORMS

A. Formwork may be removed after cumulatively curing at not less than 50^{O} F. for 24 hours after placing concrete, provided concrete is sufficiently hard to not be damaged by form removal operations, and provided that curing and protection operations are maintained.

END OF SECTION

The following Guide Specifications for Excavation and Fill, Section 31 22 00, incorporate geotechnical input in general conformance with CSI format. The Design Team should thoroughly review the section to confirm its applicability to the BHSC project and make any necessary revisions subject to review and concurrence by the Geotechnical Engineer.

SECTION 31 23 00

Excavation and Fill

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General Conditions and Division 1 - Specification sections, apply to work of this section.

B. Available Information: "Engineering Geology/Geotechnical Engineering Report, Behavioral Health Services Center, Santa Clara Valley Medical Center, San Jose, California," dated December 10, 2020, by URS, is available in accordance with "Information Available to Bidders."

1.2 SUMMARY

A. Section Includes:

1. Earthwork as shown on the drawings for the following:
   a. General site grading, cut, fill and finish
   b. Excavation and backfill for structure construction
   c. Preparation of subgrade for concrete flatwork and pavements
   d. Distribution of stockpiled topsoil
   e. Structural fills for foundation support
   f. Utility line trenching and backfilling
2. Related Sections
   a. Subsurface Information
   b. Site Clearing
   c. Demolition, Removals and Abandonment
   d. Trenching and Backfilling for Utilities
   e. Sedimentation Control
   f. Concrete: Division ___ sections

1.3 SUBMITTALS

A. Test Reports-Excavating, Filling and Grading

B. The following tests and observations will be performed by the Owner's Geotechnical Engineer, with copies to the Contractor:

1. Field density reports for fills and backfills
2. One optimum moisture-maximum dry unit weight curve for each type of soil to be used as fill
3. Verification of each footing, pile cap and grade beam subgrade

C. Calculations and Shop Drawings: Contractor shall submit all design calculations and shop drawings for any excavation stabilization methods proposed to be used at the site. This includes, but is not limited to, any shoring, bracing, or underpinning. The calculations shall be prepared and signed by a Civil Engineer registered in the State of California.

D. Product Data: Manufacturer's literature and data, including, where applicable, capacities, labels, or other markings on equipment made to the specified standards for materials, for the following:

1. Imported materials
2. Class II aggregate base (Caltrans Standard Specifications, Section 26, latest edition)
3. Soil Sterilant
4. Termiticide

E. Test Reports: Submit following reports for import material directly to Owner and Geotechnical Engineer:

1. Test reports, including but not limited to sieve analysis, Plasticity Index (PI), pH, Durability Index, R value, and Sand Equivalent, as applicable, on borrow material.
2. At least one laboratory optimum moisture - maximum dry unit weight curve for each type of soil or soil-rock material in accordance with ASTM D1557, latest edition

F. Samples:
1. 20-lb. samples sealed in air-tight containers, of each proposed fill and backfill soil material from on-site or borrow sources
2. 12-by-12 inch sample of geotextile stabilization fabric

1.4 QUALITY ASSURANCE

A. Codes and Standards: Perform excavation work in compliance with applicable requirements of authorities having jurisdiction.

B. Geotechnical Services: The Geotechnical Engineer will be the Owner's Representative to observe the grading operations both during preparation of the site and the compaction of engineered fill. Visits to the site will be made to become generally familiar with the progress and quality of the work. Field observations and tests will be made by the Geotechnical Engineer to enable him or her to form an opinion regarding the adequacy of the site preparation, the acceptability of fill materials and the extent to which the earthwork construction and the relative compaction comply with the specification requirements. The Geotechnical Engineer also will observe all foundation construction to confirm the design intent is met.

1.5 PROJECT/SITE CONDITIONS

A. Site Information: Soil Investigation and test reports are available for examination as set forth in Section_____.

B. Additional soil borings and other exploratory operations may be made by the Contractor at no cost to the Owner.

C. Existing Utilities: Locate existing underground utilities in the areas of work as specified in Section _____. If utilities are to remain in place, provide adequate means of protection during earthwork operations.

D. Should uncharted, or incorrectly charted, piping or other utilities be encountered during excavation, consult the utility owner immediately for directions. Cooperate with Owner and utility companies in keeping utilities in operation. Repair damaged utilities to satisfaction of utility owner.

E. Do not interrupt existing utilities serving facilities occupied and used by Owner or others, except when permitted in writing by Owner and then only after acceptable temporary utility services have been provided.

F. Demolish and completely remove from site existing underground utilities indicated to be removed. Coordinate with utility companies for shut-off of services if lines are active.

G. Use of Explosives: The use of explosives is not permitted.

H. Protection of Persons and Property: Barricade open excavations occurring as part of this work and post with warning lights. Operate warning lights as recommended by authorities having jurisdiction.

I. Protect structures, utilities, sidewalks, and other facilities from damage caused by settlement, lateral movement, undermining, washout and other hazards created by earthwork operations.

J. Cleaning: Contractor is required to maintain adjacent streets free of dirt accumulation arising out of work of this section. Use suitable means to clean equipment, streets or both and to meet requirements of authorities having jurisdiction.

1.6 DEFINITIONS

A. Excavation: Consists of removal of material encountered to subgrade elevations indicated and subsequent disposal or approved reuse of materials removed.

B. Engineered Fill: Fill, as approved by the Geotechnical Engineer, which has been placed and compacted in accordance with the requirements presented in these specifications.

C. Unauthorized Excavation: Consists of removal of materials beyond indicated subgrade elevations or dimensions without specific direction of Owner's Representative. Unauthorized excavation, as well as remedial work directed by Owner, shall be at Contractor's expense.

D. Subgrade: Undisturbed earth or the compacted soil layer immediately below granular base, subbase, drainage fill, or topsoil materials.

E. Structure: Buildings, foundations, slabs, tanks, curbs, or other manmade stationary features occurring above or below ground surface.

F. Structural Fill: Material, as approved by the Geotechnical Engineer, placed and compacted around structures in accordance with the requirements presented in these specifications.

G. Protection of Subgrade: Do not allow equipment to pump or rut subgrade, stripped areas, excavations, or other areas prepared for project.

H. Relative Compaction: In-place dry unit weight of soil or soil-rock expressed as percentage of maximum dry unit weight of same materials, as determined by laboratory test procedure American Society for Testing and Materials (ASTM) D1557, latest edition.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Soil materials, whether from sources on or off site, must be approved by the Geotechnical Engineer as suitable for intended use and specifically for required location or purpose.

B. General Fill: General fill material shall be a soil or soil-rock mixture free of organic matter or other deleterious substances. The fill material shall not contain rocks or lumps over 6 inches in maximum dimension and not more than 15% larger than 2½ inches. Materials from the site, if free of organic matter, rubble or other deleterious substances, are suitable for use in general fills.

C. Select Material or Structural Fill: In addition to the above requirements for general fill, select material shall be a low plasticity, non-expansive soil or soil-rock mixture having a Plasticity Index not greater than 15 and meeting the requirements for structure backfill in Section 19-3.02C of the Caltrans Standard Specifications, latest edition.

D. Imported Material: All imported material shall be of select quality. All imported material, including pipe bedding, shall have a pH between 6 and 8. The Contractor shall give at least 4 days notice prior to bringing imported material to the site to enable the Geotechnical Engineer to sample and test the material.

E. Impervious Backfill: Backfill consisting of onsite native cohesive soil as approved by the Geotechnical Engineer.

F. Aggregate Base: Aggregate base for use beneath pavements, steps and walks shall conform to the requirements of Class 2 aggregate base, ¾ inch maximum size as defined in Section 26 of the Caltrans Standard Specifications, latest edition.

G. Unclassified Backfill: Satisfactory off-site soil materials or on-site materials acceptable to Geotechnical Engineer, free of rock or gravel larger than 2 inches in any dimension, debris, waste, vegetable and other deleterious matter.

H. Class 2 Permeable Material: Class 2 Permeable Material, (maximum size 1 inch) as defined in Section 68 of the Caltrans Standard Specifications, latest edition.

I. Filter Fabric: Tencate Mirafi 160N, or approved equal.

J. Stabilization Fabric: Tencate Mirafi H2Ri, or approved equal.

K. Bridging Material:

1. Bridging material for use in stabilizing soft subgrade soil conditions shall consist of a reasonably well graded mixture of angular gravel and cobble size rock fragments conforming to the following gradation:

Sieve Size (inches)	Percentage Passing
6	100
2	0-50
3/4	0-10

2. In addition to the gradation requirements presented above, bridging material shall have a minimum Durability Index of 40.

2.2 OTHER MATERIALS

A. Prefabricated Drainage Panels: Prefabricated synthetic multi-layer drainage material such as TC Miradrain 6000 or equivalent, as acceptable to the Geotechnical Engineer.

B. Controlled Low-Strength Material: Controlled low-strength material (CLSM), where approved for placement by the Geotechnical Engineer, shall conform to the requirements in Section 19 of the Caltrans Standard Specifications, latest edition.

PART 3 - EXECUTION

3.1 GENERAL

A. No earthwork shall be performed without physical presence by or acceptance of the Geotechnical Engineer.

B. The Geotechnical Engineer's acceptance is required by these specifications; notify the Owner at least 48 hours prior to commencing any phase of earthwork.

1. No phase of work shall proceed until prior phase 'has been accepted by the Geotechnical Engineer.
2. Work shall not be covered up or continued until accepted by the Geotechnical Engineer. Geotechnical Engineer shall give written notice of conformance with the specifications upon completion of grading.

3.2 SITE PREPARATION

A. Existing structures, utility pipelines, conduits, manholes, catch basins, or other deleterious materials such as debris, asphalt, concrete, foundation remnants, underground tanks, trees, shrubs, organic laden topsoil and any other improvements designated for removal shall be removed in their entirety.

B. In general, topsoil shall be removed where structures are to be built, trenches dug, and roads constructed within areas presently covered with topsoil. Prior to beginning any excavation or fill placement, remove topsoil to a depth as indicated on the Drawings and stockpile for future use. Topsoil shall be stored clear of the construction area. Take reasonable care to prevent topsoil from becoming mixed with subsoil.

C. Abandoned utility pipelines may be left in place within 15 feet outside and beneath the building pad limits with Owner’s written prior approval and if completely backfilled with concrete or cement grout and appropriately plugged to prevent settlement or undermining of the structures and adjacent improvements.

D. Soft or weak areas within existing grades to receive fill shall be over-excavated to a depth acceptable to the Geotechnical Engineer during grading.

E. Obtain the Geotechnical Engineer's acceptance of subgrade preparation before any fill is placed.

3.3 EXCAVATION

A. Excavation Classifications: All excavation is to be considered as "unclassified".

B. Unauthorized Excavation: Backfill and compact unauthorized excavations as specified for authorized excavation of same classification, unless otherwise stated by Owner's Representative.

C. Under foundation bases and retaining walls, fill unauthorized excavation with CLSM, select material or lean concrete fill to bring elevations to proper grades, when acceptable to the Geotechnical Engineer.

D. Additional Excavation: When excavation has reached required subgrade elevation, notify the Geotechnical Engineer to observe the conditions.

E. If unsuitable bearing materials are encountered at the required subgrade elevation, carry excavations deeper and replace the excavated material as directed by the Geotechnical Engineer.

F. Stability of Excavations: Slope sides of excavations to comply with local codes and ordinances having jurisdiction. Shore and brace where sloping is not possible because of space restrictions or stability of material excavated.

G. Maintain sides and slopes of excavations in a safe condition until completion of backfilling. All shoring, stabilization and erosion protection, if required, shall be provided by the Contractor.

H. Shoring, Bracing and Underpinning: The Contractor shall furnish, put in place and maintain such shoring, bracing, underpinning, etc., as may be necessary to support the sides of the excavation and to prevent any movement of earth which could in any way diminish the width of the excavation to less than necessary for proper construction, or could otherwise injure or delay the work, or endanger the integrity of adjacent utilties, structures or slopes.

I. Dewatering: Prevent surface water and subsurface or groundwater from flowing into excavations and from flooding project site and surrounding areas.
   1. Do not allow water to accumulate in excavations. Remove water to prevent softening of foundation bottoms, and soil changes detrimental to stability of subgrades and foundations.
   2. Provide and maintain pumps, well points, sumps, suction and discharge lines, and other dewatering system components necessary to convey water away from excavations.
   3. Provide dewatering system if groundwater is less than two feet below subgrade surface.
   4. Convey water removed from excavations and rain water to collecting or run-off areas. Establish and maintain temporary drainage ditches and other diversions outside excavation limits for each structure.
      a. Do not use foundation excavations as temporary drainage ditches.
      b. Excavated Material Storage: Stockpile satisfactory excavated materials where directed, until required for backfill or fill.

J. Place, grade and shape stockpiles for proper drainage.

K. Locate and retain soil materials away from edges of excavations.

3.4 EXCAVATION FOR STRUCTURES

A. Conform to elevations and dimensions shown within a tolerance of +0.10 foot; the final lateral extent of excavation for engineered fill construction, and CLSM or lean concrete placement shall be approved by the Geotechnical Engineer.

B. Foundations: In excavating for foundationss, take care not to disturb bottom of excavation. The last 2 feet of excavation shall be made by equipment supported above the final subgrade level.

Excavate by hand to final grade just before concrete reinforcement is placed. Remove all loose materials at final subgrade. Trim bottoms to required lines and grades to leave solid base to receive concrete.

C. Replacement Zone: Remove existing man-made fill materials from all areas of the building to a point at least 5 feet beyond the building line.

D. Fill material may be cleaned to remove trash, debris, organic materials and rocks over 3 inches in any dimension and used for backfill or disposed of off-site at Contractor's option.

E. Underground Tanks, Basins and Mechanical or Electrical Structures: Conform to elevations and dimensions indicated within a tolerance of +0.10 foot, plus a sufficient distance to permit placing and removal of concrete formwork, installation of services, and other construction and for inspection. Do not disturb bottom of excavations, intended for bearing surface.

F. Excavation for Pavements: Cut surface under pavements to comply with cross-sections, elevations and grades as shown.

G. Leave subgrades at elevations required for subgrade preparation, base courses and paving shown on drawings.

H. Conform to elevations and dimensions indicated within a tolerance of +0.10 foot, plus a sufficient distance to permit placing and removal of concrete formwork, installation of services, and other construction and for inspection. Do not disturb bottom of excavations intended for bearing surface.

3.5 EXCAVATION FOR TRENCHES (UTILITIES WITHIN BUILDING LINES)

A. Excavate trenches to uniform width, sufficiently wide to provide ample working room but not less than 9 inches on either side of pipe or conduit.

B. Excavate trenches to the depth indicated or required. Place bedding and piping to establish the indicated flow lines and invert elevations. Beyond the building perimeter, keep bottoms of trenches sufficiently below finish grade to avoid freeze-ups.

3.6 BACKFILL AND FILL

A. Ground Surface Preparation: Remove vegetation, debris, unsatisfactory soil materials, obstructions, and deleterious materials from ground surface and scarify prior to placement of fills. Plow, strip, or break-up to 6 inches depth sloped surfaces to receive more than 6 feet of fill if steeper than 1 vertical to 5 horizontal so that fill material will bond with existing surface and step or bench the slope as required.

1. When existing ground surface has a relative compaction less than that specified under "Compaction" for the particular area classification, scarify, pulverize, moisture-condition to the optimum moisture content for select or imported fill and 2% over optimum for onsite clays, and compact to required depth and percentage of maximum dry unit weight.

B. Placement and Backfill: Place acceptable soil material in layers to required subgrade elevations for each classification listed below, using specified materials:

1. In over-excavation and replacement zone beneath foundations, use satisfactory select quality onsite material or imported borrow.
2. In areas not subject to structural loads, provide unclassified backfill around structures beyond 5 feet from foundation wall and for embankments and landscape areas with top 6 inches being topsoil stockpiled on site.
3. For foundation wall backfill, use select quality granular fill within 5 feet from wall.
4. Under walks, steps and pavements, use aggregate base material for upper 4 inches to 8 inches and select quality backfill or imported borrow material where additional fill is required.

C. Do not backfill trenches until tests and inspections have been made and backfilling authorized by Owner’s Geotechnical Engineer. Use care in backfilling to avoid damage or displacement of pipe systems.

D. No jetting or pumping of backfill material is permitted.

E. Provide a 4-inch-thick concrete base slab support for piping or conduit less than 2 feet 6 inches below surface of roadways. After installation and testing of piping or conduit, provide minimum 4-inch-thick encasement (sides and top) on concrete prior to backfilling or placement of roadway subbase.

F. Backfill excavations as promptly as work permits, but not until completion of the following:
   1. Acceptance of construction below finish grade including, where applicable, damp proofing, waterproofing, perimeter insulation, and basement and first floor slabs unless foundations are braced to prevent damage and movement.
   2. Inspection, testing, approval, and recording locations of underground utilities.
   3. Removal of concrete forms, temporary shoring, trash and debris.

G. Place backfill and fill materials in layers not more than 8 inches in loose thickness for material compacted by heavy compaction equipment, and not more than 4 inches in loose thickness for material compacted by hand-operated tampers.

H. Before compaction, moisten or aerate each layer as necessary to provide the required moisture content. Compact each layer to required percentage of maximum dry unit weight for each area classification. Do not place backfill or fill material on surfaces that are muddy or unstable.

I. Place backfill and fill materials evenly adjacent to structures, to required elevations. Take care to prevent wedging action of backfill against structures by carrying the material uniformly around structure to approximately same elevation in each lift.

J. CLSM Placement: CLSM batching, mixing and placing shall be a continuous operation as is practicable and may be started if weather conditions are favorable.
   1. Excavations to be filled with CLSM shall be contained at either end of the excavation by bulkheads. CLSM shall be discharged from a mixer by any means acceptable to the Engineer into the area to be filled. CLSM shall be brought up uniformly on all sides of pipes or structures to the elevations indicated.
   2. The Contractor shall completely backfill the space between excavation side slopes or shoring and the structure or piping.

3.7 COMPACTION

A. Control soil and fill compaction during construction, providing minimum percentage of dry unit weight specified for each area classification. Correct improperly compacted areas or lifts as directed by the Geotechnical Engineer if soil density tests indicate inadequate compaction.

B. Relative Compaction Requirements: Compact soil to not less than the following percentage of maximum dry unit weight determined in accordance with ASTM D1557, latest edition:
   1. Structural Fills: Compact each layer of non-expansive select fill material or lime/cement treated native soil beneath footings and slabs on grade to 95% of maximum dry unit weight.
   2. Below-grade Wall Backfill: Compact each layer of backfill material to 95% of maximum dry unit weight.
   3. Exterior Slabs, Steps, Walkways, Pavements: Compact top 6 inches of subgrade and each layer of backfill and aggregate base material to 95% of maximum dry unit weight.
   4. Unpaved Areas: Compact top 6 inches of subgrade and each layer of backfill or fill material to 90% of maximum dry unit weight.

C. Moisture Control: Where subgrade or layer of soil material must be moisture conditioned before compaction, uniformly apply water to surface of subgrade, or layer of soil material, to prevent free water appearing on surface during or subsequent to compaction operations. Remove and replace, or scarify and air dry soil material that is too wet to permit compaction to specified relative compaction.

D. Soil material that has been removed because it is too wet to permit compaction may be stockpiled or spread and allowed to dry. Assist drying by disking, harrowing or pulverizing until moisture content is reduced to a satisfactory value.

3.8 GRADING

A. Uniformly grade areas within limits of grading under this section, including adjacent transition areas. Smooth finished surface within specified tolerances, compact with uniform levels or slopes between such points and existing grades.

B. Round top and bottom of slopes and feather into undisturbed natural terrain. Avoid abrupt grade changes making smooth transitions from slopes to more level areas.

C. Site Drainage: The site shall, at all times, be graded (and ditched, as necessary) to provide positive surface runoff. Water shall not be allowed to pond or collect within the building footprint or staging area. Any soil which becomes wet, saturated or unstable shall be removed and replaced with compacted structural fill. The above requirements may be modified with Owner's written approval.

D. Grading Outside Building Lines: Grade areas adjacent to building lines to drain away from structures and to prevent ponding. Finish surfaces free from irregular surface changes, and within 0.10 foot of required subgrade or finish grade elevations. Make minor modifications as necessary to provide adequate drainage.

E. Spread stockpiled topsoil and compact to minimum 6 inches depth at all areas not designated for walks, paving or structures.

F. Grading Surface or Fill under Concrete Flatwork: Grade smooth and even, free of voids, compacted as specified, and to required elevation. Provide final grades within a tolerance of 0.5 inch when tested with a 10 foot straightedge.

G. Compaction: After grading, compact subgrade surfaces to the depth and stated requirements for each area of classification.

3.9 FIELD QUALITY CONTROL

A. The Geotechnical Engineer will:
   1. Sample and test fill material from sources designated by Contractor.
   2. Observe and report on site preparation, excavation, placement and compaction of fill, backfill, controlled density fill or lean concrete. Such observations will include all tests deemed necessary to ascertain if the work is in compliance with specifications.
   3. Approve methods of compaction.
   4. Issue final report to Owner on grading, excavation and compaction work.

B. The Contractor shall:
   1. Grade, excavate and place backfill on the site in conformance with these specifications.
   2. Furnish access to site and facilities for observations and testing.
   3. Furnish and install shoring or bracing, as required by local codes and ordinances, to provide safe access to areas for Geotechnical Engineer.
   4. Notify the Geotechnical Engineer 48 hours prior to any fill or backfill operations.
   5. Pay costs for additional compaction, observations and tests due to non-compliance with Contract Documents based on reports of geotechnical testing and observations.

3.10 EROSION CONTROL

A. Provide erosion control methods in accordance with requirements of authorities having jurisdiction.

B. In addition, the following measures shall be implemented during all phases of construction to minimize short-term air quality impacts:
   1. All active construction areas shall be watered twice daily, or more often if necessary, to keep these areas free of dirt and debris. Increased watering frequency shall be required whenever wind speeds exceed 15 miles per hour.
   2. Stockpiles of debris, soil, sand, and any other materials that can be windblown shall be covered. Trucks transporting these materials shall be covered.

3. The site shall be damp swept daily, or more often as necessary, to keep all paved construction areas and adjacent streets free of dust and debris.
4. Subsequent to clearing, grading, or excavating, exposed portions of the site shall be watered, landscaped, treated with soil stabilizers, or covered as soon as possible within 72 hours of exposure.
5. Traffic speeds shall not exceed 15 miles per hour on unpaved roads.
6. Sandbags or other erosion control measures shall be installed to prevent silt runoff to public roadways.
7. Vegetation in disturbed areas shall be replanted within 30 days after the completion of construction.
8. Provide erosion control methods in accordance with requirements of authorities having jurisdiction.
9. Temporary sediment and siltation facilities shall be provided by the Contractor as needed to prevent on-site silting into excavations and silting downstream of the project site.

3.11 MAINTENANCE

A. Protection of Graded Areas: Protect newly graded areas from traffic and erosion. Keep free of trash and debris.

B. Repair and re-establish grades in settled, eroded, and rutted areas to specified tolerance.

C. Reconditioning Compacted Areas: Where completed compacted areas are disturbed by subsequent construction operations or adverse weather, scarify surface, re-shape, and compact to required density prior to further construction.

D. Settling: Where settling is measurable or observable at excavated areas during general project warranty period, remove surface (pavement, lawn or other finish), add backfill material, compact, and replace surface treatment. Restore appearance, quality, and condition of surface or finish to match adjacent work, and eliminate evidence of restoration to greatest extent possible.

3.12 DISPOSAL OF EXCESS AND WASTE MATERIALS

A. Remove excess excavated materials, trash, debris and waste materials and dispose of it off the Owner's property.

END OF SECTION

The following Guide Specifications for Trench Excavation, Bedding and Backfill, Section 31 23 33, incorporate geotechnical input in general conformance with CSI format. The Design Team should thoroughly review the section to confirm its applicability to the BHSC project and make any necessary revisions subject to review and concurrence by the Geotechnical Engineer.

SECTION 31 23 33

TRENCHING, BEDDING AND BACKFILL

PART 1 – GENERAL

1.1 SUMMARY

This section provides requirements for excavating, preparation of pipe-laying surfaces, pipe bedding, backfilling and compaction for all of the exterior underground piping systems furnished and installed under this contract.

A. Provide labor, material, equipment, tools and services necessary to complete the trenching, backfilling and compacting as necessary for this project. Section includes, but is not limited to:
   1. Trench Excavation
   2. Detectable Tape
   3. Pipe Bedding
   4. Trench Backfill
   5. Aggregate Base
   6. Trench Surfacing

B. Work specified in Related Sections:
   1. Section_____– Subsurface Exploration
   2. Section ____ – Site Preparation
   3. Section_____– Earthwork
   4. Section_____– Sanitary Sewer
   5. Section_____– Storm Drainage

1.2 DEFINITIONS

A. Import Fill:
   1. Soil or soil-rock material approved by the Geotechnical Engineer and transported to the site by the Contractor to raise grades or to backfill excavations.
   2. Contractor shall provide sufficient tests and a written statement that all materials brought onto the project site comply with specification requirements.

B. Engineered Fill: Fill, as approved by the Geotechnical Engineer, which has been placed and compacted in accordance with the requirements presented in these specifications.

C. On-site Material: Soil or earth obtained from on-site excavations.

D. Excavation: Consists of the removal of material encountered to subgrade elevation.
   1. Unless otherwise indicated on the Drawings, all excavation for pipelines shall be open cut.
   2. Excavations for appurtenant structures such as but not limited to manholes, transition structures, junction structures, vaults, valve boxes, catch basins, thrust blocks, and boring pits shall be deemed to be in the category of trench excavation.

E. Subgrade: The uppermost surface of an excavation or the top surface of a fill or backfill immediately below aggregate base or topsoil materials.

F. Aggregate Base: The material placed between the subgrade and surface pavement in a paving system, conforming to the requirements of Class 2 Aggregate Base, ¾ inch maximum size as defined in Section 26 of the Caltrans Standard Specifications, latest edition.

G. Relative Compaction: In-place dry unit weight of soil or soil-rock fill expressed as percentage of maximum dry unit weight of same material, as determined by laboratory test procedure American Society for Testing and Materials (ASTM) D1557, latest edition.

1.3 SUBMITTALS

A. Comply with provisions of Section _____ – Submittals.

B. Product Data: Manufacturer's literature and data, including, where applicable, capacity, labels, or other markings on equipment made to the specified standards for materials for the following:

1. Imported Materials
2. Piping
3. Vault and Manhole Structures
4. Detectable Tape and Wire
5. Soil Sterilant
6. Termiticide

C. Test Reports: Submit following reports for import material directly to Owner and the Geotechnical Engineer:

1. Test reports, including but not limited to Plasticity Index (PI), sieve analysis, pH, Durability Index, R-value, and Sand Equivalent, as applicable, on borrow material
2. At least one laboratory optimum moisture - maximum dry unit weight curve for each type of imported soil or soil-rock material per ASTM Test Method D-1557, latest edition.

D. Shoring Design: Submit four (4) copies of shoring design and shop drawings to Owner and the Geotechnical Engineer.

E. Submit description of proposed dewatering methods.

F. Submit description of vibratory compactors proposed for use when requesting placement of backfill and fill materials in layers greater than 6 inches thick.

G. Sample sizes:

1. 20-lb. samples sealed in air-tight containers of each proposed fill and backfill soil material from on-site or borrow sources
2. 12-by-12-inch sample of filter fabric

H. Submit Storm Water Pollution Prevention Plan and Erosion Control Plan.

I. Submit Notice of Intent (N.O.I.) for discharge of storm run-off from the construction site.

1.4 REFERENCE STANDARDS AND QUALITY ASSURANCE

A. Requirements of Regulatory Agencies:

1. Comply with State of California Business and Transportation Agency, Department of Transportation (Caltrans) latest edition of "Standard Specifications".
2. Comply with State of California Code of Regulations (CCR).
3. Comply with State of California Construction Safety Orders, Latest Edition (CAL/OSHA).
4. County of Santa Clara, Department of Public Works, Standards and Specifications and Drawings, latest edition.

B. Soil Testing:

1. Owner will engage Geotechnical Engineer to test soil materials proposed for use in the work and for quality control testing during excavation and fill operations. The Geotechnical Engineer will be the Owner’s representative to observe trenching and backfilling operations both during preparation of the site and the compaction of fill and backfill materials. Visits to the site will be made to become generally familiar with the progress and quality of the work. Field observations and tests will be made to enable

the Geotechnical Engineer to form an opinion regarding the adequacy of the site preparation, the acceptability of fill materials and the extent to which the trenching, backfilling, construction and relative compaction comply with the specification requirements.

2. Test results will be submitted Owner. Tests to include:
   a. Field density reports for all fill and backfill materials
   b. Testing reports for import and borrow material including mechanical sieve analysis, Plasticity Index, Sand Equivalent, Durability Index, and pH, as applicable.
   c. One optimum moisture – dry unit weight curve for each soil type encountered or imported in accordance with ASTM Test Method D1557, latest edition.

C. Codes and Standards:
   1. Perform excavation work in compliance with applicable requirements of authorities having jurisdiction.
   2. Storm Water Pollution Prevention Plan to comply with Section 01 52 00 - Storm Water Pollution Prevention
   3. California Department of Transportation (Caltrans):
      a. Section 17: Watering
      b. Section 18: Dust Palliative
      c. Section 19: Earthwork
      d. Standard Test Method No. 202, Sieve Analysis of Fine and Coarse Aggregates.
   4. American Society for Testing and Materials (ASTM):
      a. C33: Standard Specification for Concrete Aggregates
      b. C125: Standard Terminology Relating to Concrete and Concrete Aggregates
      c. C136: Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates
      d. C566: Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying
      e. D421: Standard Practice for Dry Preparation of Soil Samples for Particle Size Analysis and Determination of Soil Constants
      f. D448: Standard Classification for Sizes of Aggregate for Road and Bridge Construction
      g. D1556: Standard Test Method for Density and Unit Weight of Soil In-Place by the Sand Cone Method
      h. D1557: Standard Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort
      i. D2216: Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
      j. D2419: Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
      k. D2487: Standard Practice for Classification of Soils for Engineering Purposes
      l. D2844: Standard Test Method for Resistance R-Value and Expansion Pressure of Compacted Soils
      m. D3744: Standard Test Method for Aggregate Durability Index
      n. D4318: Standard Test Method for Liquid Limit, Plastic Limit and Plasticity Index of Soils
      o. D6938: Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods
      p. G5195: Standard Test Method for Measuring pH of Soil for Corrosion Testing
   5. CAL/OSHA, Title 8
   6. County of Santa Clara Standard Plans and Specifications
   7. California Code of Regulations, Title 24, Part 2 – Basic Building Regulations, Chapter 24 – Excavations, Foundations, and Retaining Walls
   8. Regulations and Standards of other authorities have jurisdiction

D. A geotechnical investigation report was prepared for the project by URS entitled, "Engineering Geology/Geotechnical Engineering Report, Behavioral Health Services Center, Santa Clara Valley Medical Center, San Jose, California," dated December 10,

2020. This report is available for examination by the Contractor. Additional soil borings and other exploratory operations may be made by Contractor at no cost to Owner. Submit proposed boring locations to owner for review prior to performing the work.

1.5 DELIVERY, STORAGE AND HANDLING

A. Protect all pipes, vaults and associated materials and structures before, during and after installation.

B. In the event of damage to any of these items, immediately make repairs or replacements necessary to the acceptance of Owner and at no additional cost to Owner.

C. Comply with provisions of provisions of Section _____ – Temporary Facilities and Controls where necessary to control dust and noise on and near the work caused by operations during the performance of the Work.

1.6 PROJECT CONDITIONS

A. Environmental Requirements:
   1. When unfavorable weather conditions necessitate interrupting filling and grading operations, prepare areas by compaction of surface and grading to avoid collection of water.
   2. Provide adequate temporary drainage to prevent erosion.
   3. After interruption, reestablish compaction specified in last layer before resuming work.
   4. Protect existing storm drainage system from silt and debris resulting from construction activities. If contamination occurs, remove contamination at no cost to the Owner.
   5. Protect existing ditches and storm drain inlets from waterborne soil by means of straw bale dikes, filter fiber dams, or other methods as approved by the Owner.
   6. Protect existing trees to remain. No grading is permitted under the drip line of protected trees.

B. Site Requirements
   1. Comply with requirements of Section _____- Temporary Facilities and Controls where necessary to control dust and noise on and near the work caused by operations during construction activities.
   2. Barricade open excavations and post with warning lights. Operate warning lights and barricades as required.
   3. Protect structures, utilities, sidewalks, pavements, and other facilities immediately adjacent to excavations from damages caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.

C. Protection of Subgrade: Do not allow equipment to pump or rut subgrade, stripped areas, excavations, or other areas prepared for project.

D. Transport all excess soils materials by legally approved methods to disposal areas.

1.7 EXISTING UTILITIES

A. Locate existing underground utilities in the areas of work. For utilities that are to remain in place, provide adequate means of protection during excavation operations.
   1. Prior to trenching, the Contractor shall excavate at locations specifically indicated on the Drawings and where new lines cross other utilities of uncertain depth and determine the elevation of the utility in question to ensure that the new line will clear the potential obstruction.
   2. The Contractor shall contact Underground Service Alert (USA) at 1-800-227-2600 for assistance in locating existing utilities.

3. If, after excavation, a crossing utility does present an obstruction, then the line and grade of the new line will be adjusted as directed by Owner to clear the utility.

B. Should uncharted or incorrectly charted piping or other utilities be encountered during excavation, consult Owner and utility agency immediately for directions.
   1. Cooperate with Owner and public and private utility companies in keeping their respective services and facilities in operation.
   2. Repair damaged utilities to the satisfaction of Owner and the utility company.

C. Do not interrupt existing utilities serving facilities occupied and used by the Owner or others, except when permitted in writing by Owner and then only after acceptable temporary utility services have been provided.

D. Movement of construction machinery and equipment over existing pipes and utilities during construction shall be at the Contractor's risk. The Contractor shall be responsible for repairing any damage at no cost to the Owner.

E. Excavation made with power-driven equipment is not permitted within 2 feet of any known utility or subsurface structure.
   1. Use hand or light equipment for excavating immediately adjacent to known utilities or for excavations exposing a utility or buried structure.
   2. Start hand or light equipment excavation on each side of the indicated obstruction and continue until the obstruction is uncovered or until clearance for the new grade is assured.
   3. Support uncovered lines or other existing work affected by excavation until approval for backfill is obtained.
   4. Report damage of utility line or subsurface structures immediately to Owner.

F. Demolish and completely remove from the site existing underground utilities indicated to be removed. See Section _____- Demolition.

1.8 SEQUENCING AND SCHEDULING

A. The sequence and schedule of operations shall be reviewed by the Owner prior to commencement of any work.

B. Coordinate operations with relocation of existing utilities.

PART 2 – PRODUCTS

2.1 MATERIALS

A. General:
   1. Import materials will be subject to approval of the Geotechnical Engineer.
   2. For approval of imported fill material, notify Owner and the Geotechnical Engineer at least 7 days in advance of intention to import material, designate proposed borrow area and permit the Geotechnical Engineer to sample as necessary from borrow area for purpose of making acceptance tests to assess quality of material. All imported material, including pipe bedding shall have a pH between 6 and 8.
   3. The Geotechnical Engineer's report on acceptability shall be final and binding.
   4. During grading operations, soil types other than those evaluated in the geotechnical report for the project may be encountered. Consult the Geotechnical Engineer to determine the suitability of these soils.

B. Water: Clean and free from deleterious amounts of acids, alkalis, salts and organic matter.

C. Bedding and initial backfill material for poly-vinyl chloride (PVC) pipes:
   1. Bedding material shall meet the requirements of City of San Jose Standard Specifications for Class II bedding and should be a select granular material free from

organic matter and of such size and gradation that the specified compaction can be readily attained. As a minimum, materials shall have a Durability Index of not less than 40, a Sand Equivalent of not less than 60, and shall conform to the following gradation:

U.S. STANDARD SIEVE SIZE	PERCENT PASSING BY WEIGHT
1-inch	100
3/4-inch	90 - 100
3/8-inch	40 - 100
No. 4	25 - 40
No. 8	18 - 33
No. 30	5 - 15
No. 50	0 - 7
No. 200	0 - 4

2. The material shall be imported clean natural sand or gravel.
3. The material shall have a pH between 6 and 8.

D. Bedding and initial backfill material for welded steel pipes for chilled water, condensate and steam:
   1. Bedding material shall be a free-draining sand, free from organic matter and of such size and gradation that the specified relative compaction can be readily attained. As a minimum, materials shall have a Sand Equivalent of not less than 30.
   2. The material shall be imported clean natural sand with 100% passing the No. 4 sieve and less than 5% passing the No. 200 sieve.
   3. The material shall have a pH between 6 and 8.

E. General Trench Backfill Material: Soil excavated from the site or imported conforming to the requirements for fill material presented in the geotechnical report for this project. All fill material shall be a soil or soil-rock mixture that is free of organic matter and other deleterious substances. It shall not contain rocks or lumps over 6 inches in greatest dimension and not more than 15 percent larger than 2 ½ inches. Imported fill shall be a low plasticity, non-expansive soil or soil-rock material having a Plasticity Index not greater than 15 and a pH between 6 and 8.

F. Aggregate Base: Class 2 aggregate base, free from organic matter and other deleterious substances and conforming to Caltrans Standard Specifications, Section 26, latest edition ¾-inch maximum aggregate size.

2.2 BURIED WARNING AND IDENTIFICATION TAPE

A. Polyethylene plastic and metallic core or metallic-faced, acid- and alkali-resistant, polyethylene plastic warning tape manufactured specifically for warning and identification of buried utility lines shall be provided. Provide tape on rolls, 3-inch minimum width, color coded in accordance with industry standards for the intended utility with warning and identification imprinted in bold black letters continuously over the entire tape length. Warning and identification to read, "CAUTION, BURIED (intended service) LINE BELOW" or similar wording.

2.3 DETECTION WIRE FOR NON-METALLIC PIPING

A. Detection wire shall be insulated single strand, solid copper, minimum No. 12 American Wire Gage (AWG).

2.4 SOIL STERILANT

A. Soil Sterilant shall be Treflan E.C. or equal.

2.5 TERMITICIDE

A. Termiticide shall be Permethrin, Demon TC, or approved equal.

PART 3 – EXECUTION

3.1 GENERAL

A. Prior to commencement of work, the contractor shall become thoroughly familiar with site conditions. In the event that discrepancies are found, immediately notify Owner in writing, indicating the nature and extend of differing conditions.

B. Backfill excavations as promptly as work permits.

C. Do not place engineered fill or backfill until rubbish and deleterious materials have been removed and areas have been approved by the Geotechnical Engineer.

D. The Geotechnical Engineer's acceptance is required by these specifications; notify Owner at least 48 hours prior to commencing any phase of earthwork.

1. No phase of work shall proceed until prior phase has been accepted by the Geotechnical Engineer.

2. Work shall not be covered up or continued until acceptance of the Geotechnical Engineer. Geotechnical Engineer shall give written notice of conformance with the specifications upon completion of grading.

E. Place acceptable soil material in layers to required subgrade elevations for each area classification listed in these Specifications.

F. Control of Water:

1. Do not allow water to accumulate in excavations. Trenching and excavation, utility installation, and trench bedding and backfill work shall be performed in dry conditions at all times. Remove water to prevent softening of excavation bottoms or formation of "quick" conditions, and soil changes detrimental to stability of subgrades and foundations.

2. Disposal of water shall not damage property or create a public nuisance. The Contractor shall have on hand pumping equipment and machinery in good working condition for emergencies and shall have workers available for its operation.

G. Maintenance of Roadways: All trenching operations shall be performed in a manner that does not disrupt the continuous flow of traffic on existing roadways. The Contractor shall be responsible to safely direct vehicular and pedestrian traffic through or around his work area at all times. Refer to the Specifications for acceptable times of lane closures and disruption of traffic.

H. Finish Grading:
    1. Finished surfaces shall be smooth, compacted and free from irregularities. The degree of finish shall be that normally obtainable with a motor-grader.
    2. Finished grade shall be as specified by the contours plus or minus 1-inch except where a local change in elevation is required to match sidewalks, curbs, manholes and catch basins, or to ensure proper drainage. Allowance for topsoil and grass cover, and subbase and pavement thickness shall be made so that the specified thickness of topsoil or pavement can be applied to attain the finished grade.

3.2 EXCAVATION

A. General
   1. Excavation shall include removal of all water and materials that interfere with construction. The Contractor shall remove any water which may be encountered in the trench by pumping or other methods proposed in dewatering plan during the pipe laying, bedding and backfill operations. Material shall be sufficiently dry to permit approved jointing.
   2. The Contractor shall be responsible for the construction and maintenance of bridges required for vehicular and pedestrian traffic, and support for adjoining utilities.
   3. The Contractor shall relocate, reconstruct, replace or repair, at his/her own expense, all improvements which are in the line of construction or which may be damaged, removed, disrupted or otherwise disturbed by the Contractor.
   4. Protect trees and vegetation where specified.
   5. Excavate to subgrade as required for placement of utilities and associated structures.
   6. All supports, shoring, and sheet piling required for the sides of the excavations or for protection of adjacent existing improvements shall be provided and maintained by the Contractor. The adequacy of such systems shall be the complete responsibility of the Contractor.
   7. Remove lumped soil, boulders and rock from trench excavations.
   8. Stockpile excavated material in an area designated by the Owner and remove excess material not being used from site in a legal manner.

B. Existing Paving and Concrete
   1. Existing pavement over trenches shall be neatly sawcut along the lines of the excavation, removed, and hauled away from the job.
   2. Existing concrete over trenches shall be neatly sawcut to a full depth in straight lines either parallel to the curb or at right angles to the alignment of the sidewalk.
   3. Boards or other suitable material shall be placed under equipment outrigging to prevent damage to paved surfaces.

C. Trenching
   1. Cut trenches sufficiently wide to enable utility installation and allow inspection.
   2. Make trench sides as nearly vertical as practicable except where sloping of sides is allowed. Sides of trenches shall not be sloped between the bottom of the trench and the elevation of the top of the pipe.
   3. Grade bottoms of trenches accurately to provide uniform bearing and support for each section of pipe or conduit on bedding material as indicated or specified at every point along entire length of pipe or conduit, except for portions of the pipe or conduit where it is necessary to excavate for bell holes and for making proper joints.
   4. Dig bell holes and depressions for joints after trench has been graded. Hand trim if necessary. Dimensions of bell holes shall be as required for properly making the particular type of joint to ensure that the bell does not bear on the bottom of the excavation.

D. Trench Width:
   1. The minimum clear width of trench measured at the horizontal diameter of the pipe shall be one foot greater than the outside diameter of the pipe barrel or 18 inches, whichever is greater. The maximum clear width of the trench at the top of the pipe shall not be more than the outside diameter of the barrel of the pipe plus 24 inches.
   2. The maximum trench width shall be inclusive of all shoring.
   3. If the maximum trench width is exceeded, Owner may direct the Contractor to encase or cradle the pipe in concrete at no additional charge to Owner.

E. Open Trench:
   1. The maximum length of open trench shall be 300 feet or the distance necessary to accommodate the amount of pipe installed in a single day, whichever is greater. No trench shall be left open at the end of the day.
   2. Provisions for trench crossings and free access shall be made at all street crossings, driveways, water gate valves and fire hydrants.
   3. Protect open trench from pedestrian traffic in accordance with applicable regulations.

F. Overexcavation: Where the undisturbed condition of natural soils is inadequate for support of the planned construction, overexcavate to adequate supporting soils and backfill as specified in this section. The quantity and placement of such backfill material will be paid for as follows:
   1. Overexcavation and refilling up to six (6) inches below the specified trench bottom elevation shall be solely the Contractor's responsibility and expense.
   2. Overexcavation and refilling in excess of six (6) inches below the specified trench bottom elevation will be considered extra work as defined in these Specifications.

G. Shoring and Sheeting
   1. Shore and sheet excavations as required by applicable laws and regulations and the Project Safety Plan. Excavations shall be supported and excavation operations shall be conducted in accordance with the California Industrial Accident Commission and CAL/OSHA.
   2. Before commencing any excavation that is four (4) feet or more in depth, submit a detailed plan (including shoring and bracing if necessary) to the Owner for review.
   3. The Contractor shall at his/her own expense, furnish, put in place, and maintain such sheeting and bracing as may be required to adequately support the sides of all excavations, whether above or below the pipe grade, and prevent any movement which could in any way diminish the required trench section or otherwise inure or delay the work. The sheeting and bracing shall be designed to resist earth pressures, equipment and construction loads, and other surcharge loads to allow safe and expeditious construction of permanent structures and to prevent damage to, or movement or settlement of, adjacent buildings, structures, pavement or utilities.
   4. The shoring shall not be permanently left in place. The sheeting and bracing shall be withdrawn in a manner such as to prevent any earth movement that might overload the pipe or adversely affect nearby structures, pavements or utilities.

H. Excavated Material:
   1. During trench excavation, place the excavated material only within the designated working areas.
   2. All excavated material not required for backfill shall be immediately removed and properly disposed of in a legal manner by the Contractor.
   3. Material excavated in streets and roadways shall be laid alongside the trench, no closer than 2 feet from the trench edge, and kept trimmed to minimize inconvenience to public traffic.
   4. Provisions shall be made whereby all storm and wastewater can flow uninterrupted in gutters and drainage channels.

3.3 PIPE BEDDING AND INITIAL BACKFILL

A. The trench bottom shall be cleaned to remove all loose material prior to placing pipe bedding materials.

B. Stabilization of Trench Bottom: If loose or soft soils are encountered at the bottom of the trench during excavation or if construction activities result in disturbance and softening of the trench subgrade, the trench shall be overexcavated to firm soil or to an additional maximum depth of 18 inches. The resulting excavation shall then be backfilled with bridging material place over Tencate Mirafi H_2R*i* stabilization fabric or equivalent. The

stabilization fabric shall be placed at the bottom of the resulting overexcavation and extend up the sidewalls of the trench, such that the ends of the geotextile fabric can be overlapped on top of the bridging material for a minimum distance of 1-foot. The overexcavation shall then be backfilled with either 1) Caltrans Class 2 Permeable Material, 2) coarse aggregate rock, 1½ inch by ¾ inch, i.e., nominal size coarse aggregate conforming to Section 90-1.02C(4)(b) of the 2018 Caltrans Standard Specifications, or 3) with an imported bridging material. The bridging material shall be a clean, angular, relatively uniformly graded mixture of crushed rock free of cleavage planes, conforming to the following grading and durability requirements:

Sieve Size (U.S. Standard)	Percent Passing
6 inches	100
2 inches	0-50
¾ inch	0-10
Durability Index = 40 minimum	

The imported bridging materials and sources shall be approved by the Geotechnical Engineer prior to delivery and placement. The required thickness of the bridging layer will depend on the actual conditions encountered at each location and should be determined by the Geotechnical Engineer in the field. The top of the bridging layer should be densified with vibratory compaction equipment prior to placing the layer of bedding material. The Contractor's proposed method of compacting bridging material should be reviewed by the Geotechnical Engineer.

C. Bedding Excavation: Bedding material shall have a minimum thickness beneath the pipe of 4 inches, or 1/8 of the outside diameter of the pipe, whichever is greater.

D. Bedding and initial backfill shall be of the materials specified in Part 2 "Products".

E. Bedding and initial backfill shall be placed to the minimum compacted thickness in conformance with City of San Jose Standard Specifications, Section 1301, Type A, B, or C bedding requirements, depending on the category of pipe; place bedding in six (6) inches maximum loose lifts and compact by hand or mechanical means. Except as otherwise noted on the plans, compact to 90 percent relative compaction based on ASTM D1557, latest edition, maximum dry unit weight. Jetting or flooding of bedding or backfill is not permitted. Bring bedding up evenly on each side of pipe to avoid bending or distortional stress. Provide uniform and continuous support for each section of utility except at bell holes or depressions necessary for making proper joints. Ensure that no damage is done to structures or their protective coatings.

F. In trenches containing pressurized plastic pipes, tracer wire shall be placed directly above the pipe and shall be connected to all valves, existing exposed tracer wires, and other appurtenances as appropriate.

G. Dispose of surplus materials legally and off site.

H. Leave bedding material stockpile areas completely free of excess excavated materials or debris.

3.4 SUBSEQUENT BACKFILL AND COMPACTION

A. The portion of the trench above the bedding material and initial backfill in the pipe zone shall be backfilled with compacted on-site or imported soil as specified in Table 1301-1 of City of San Jose Standard Specifications. All backfill shall be moisture conditioned to near the optimum moisture content and placed in uniform layers not exceeding 8 inches in thickness before compaction. Except as noted otherwise on the Plans, compact backfill material in accordance with Method A, Method B, or Method C of the City of San Jose Standard Specifications, depending on the depth and location of the trench, and the direction of traffic over the trench. Unless noted otherwise in the Plans, general trench backfill shall be compacted to a minimum of 90 percent relative compaction based on

ASTM D1557, latest edition, maximum dry unit weight. For trenches deeper than 10 feet, compact the entire trench to a minimum of 95 percent relative compaction based on ASTM D1557 maximum dry unit weight. Compact the upper 24 inches of trench backfill to 95 percent relative compaction based on ASTM D1557 maximum dry unit weight.

B. Construct backfill as indicated and specified in this Section. Place backfill in eight (8) inches maximum loose lifts unless otherwise specified. Bring up evenly on each side and along the full length of the pipe. Ensure that no damage is done to structures or their protective coatings.

C. Use hand-operated, plate-type, vibratory or other suitable hand tampers in areas not accessible to larger rollers or compactors.

D. Jetting or flooding the backfill materials is not permitted.

E. Compact each loose lift as specified before placing the next lift. Do not backfill in freezing weather or where the material in the trench is already frozen or is muddy, except as authorized. Where settlements greater than the tolerance allowed herein for grading occur in trenches and pits due to improper compaction, excavate to the depth necessary to rectify the problem, then backfill and compact the excavation as specified herein and restore the surface to the required elevation at the Contractor's sole expense.

F. Native clay soils exposed in trenches shall not be allowed to dry out prior to placement of trench backfill materials. These exposed native clay soils shall be maintained at a moisture content of 1 to 2 percent above laboratory optimum.

G. Coordinate backfilling with testing of utilities.

H. Install tape above all buried pipes and conduits in accordance with manufacturer's recommendations. Bury tape twelve (12) inches below finished grade; under pavements and slabs, bury tape six (6) inches below top of subgrade.

3.5 TRENCH SURFACING

A. Unpaved Areas:
   1. In unimproved areas, the trench surface shall be restored to its original conditions. No mounds of earth shall be left along the trench. Repair and re-establish grades in settled, eroded, and rutted areas to specified tolerances.
   2. Where completed compacted areas are disturbed by subsequent construction operations or adverse weather, scarify surface, reshape, compact to required density and provide other corrective work, including retesting, prior to further construction.

B. Temporary Surfacing:
   1. Temporary surfacing shall be a minimum of 2 inches of cutback asphalt on 10 inches of Caltrans Class 2 aggregate base and shall be placed at all trench locations subject to vehicular or pedestrian traffic.
   2. Temporary surfacing shall be laid within one day after backfilling (except where the Contractor elects to place permanent surfacing within this time period,)
   3. Before the trenching area is open for traffic, all excess dirt, rock, and debris shall be removed, the street surface shall be swept clean and the pavement shall be washed down with a water truck and pressure nozzle.
   4. Temporary surfacing shall be maintained to prevent the occurrence of mud holes and prevent the surface from settling below 1 inch or rising more than 1 inch from the existing pavement grade.

3.6 TOLERANCES

A. Top Surface of Backfilling under Paved Areas: Plus or minus one (1) inch from required elevations.

B. Top Surface of General Backfilling: Plus or minus one (1) inch from required elevations.

3.7 FIELD QUALITY CONTROL

A. Compaction testing will be performed in accordance with ASTM D1557, latest edition.

B. If tests indicate work does not meet specified requirements, remove work, replace, compact, and retest at no cost to Owner.

3.8 PROTECTION OF FINISHED WORK

A. Reshape and re-compact fills subjected to vehicular traffic during construction.

3.9 MOISTURE CONTROL

A. Do not resume operations until moisture content and fill density are satisfactory to the Geotechnical Engineer.

3.10 COMPACTION VERIFICATON

A. Test each backfill layer. Do not proceed until test results for previously completed work verify compliance with requirements.

B. When the Geotechnical Engineer reports that backfills are below specified density, scarify and moisten or aerate, or remove and replace soil to the depth required, re-compact and retest until required density is obtained.

3.11 PROTECTION

A. Repair and re-establish grades in settled, eroded, and rutted areas to specified tolerances.

B. Where completed compacted areas are disturbed by subsequent construction operation or adverse weather, scarify surface, reshape, compact to required density and provide other corrective work, including retesting, prior to further construction.

3.12 CLEAN-UP

A. Remove all debris, equipment, tools and materials upon completion prior to final inspections to the satisfactions of the engineer.

B. In unpaved areas without landscaping, cover with straw erosion control blanket Follow manufacturer's recommendations for installation. Provide and place straw wattles or biodegradable fiber logs across the slope at the midpoint and along the downhill edge of site. No soil is to be left uncovered at the completion of construction.

END OF SECTION

Santa Clara Valley Medical Center
Behavioral Health Services Center and Parking Structure

Appendix E: Noise Appendix

This page deliberately left blank.

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.1: Ambient Noise Monitoring Data
Prepared by MIG, January 2021

TABLE E1: SUMMARY OF SITE LT-1 NOISE MONITORING DATA												
Date	Time	Duration	Leq	DNL	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
9/17/2020	2:00 PM	1-hour	59.1	59.1	55.9	73.5	61.6	60.1	59.3	58.8	58.6	58.2
9/17/2020	3:00 PM	1-hour	59.4	59.4	56.9	72.3	61.9	60.1	59.6	59.2	59.0	58.6
9/17/2020	4:00 PM	1-hour	59.1	59.1	56.8	67.4	60.6	59.9	59.4	59.0	58.8	58.4
9/17/2020	5:00 PM	1-hour	56.8	56.8	52.2	63.0	58.2	57.7	57.1	56.7	56.4	55.9
9/17/2020	6:00 PM	1-hour	54.5	54.5	50.3	71.7	58.9	56.7	54.5	53.8	53.4	52.8
9/17/2020	7:00 PM	1-hour	53.0	53.0	49.4	63.4	55.5	54.6	53.4	52.7	52.4	51.9
9/17/2020	8:00 PM	1-hour	50.6	50.6	47.2	64.0	53.4	52.0	51.0	50.3	50.0	49.4
9/17/2020	9:00 PM	1-hour	51.8	51.8	47.5	62.7	54.2	53.1	52.2	51.5	51.1	50.5
9/17/2020	10:00 PM	1-hour	51.0	61.0	45.6	66.8	54.8	53.6	51.3	50.3	49.8	48.9
9/17/2020	11:00 PM	1-hour	46.1	56.1	42.3	62.0	50.9	48.3	46.5	45.2	44.9	44.4
Daytime (7 AM to 7 PM)			*58.7*	--	*50.3*	*56.9*	*60.5*	*59.1*	*58.4*	*57.9*	*57.7*	*57.2*
Evening (7 PM to 10 PM)			*51.9*	--	*47.2*	*64.0*	*54.5*	*53.4*	*52.3*	*51.6*	*51.3*	*50.7*
Nightime (10 PM to 7 AM)			*49.2*	--	*42.3*	*66.8*	*53.3*	*51.7*	*49.5*	*48.5*	*48.0*	*47.2*
	24-hour DNL		--	--	-	--	-	-	-	-	-	-

Date	Time	Duration	Leq	DNL	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
9/18/2020	12:00 AM	1-hour	45.1	55.1	41.7	55.6	47.9	46.6	45.5	44.8	44.4	43.8
9/18/2020	1:00 AM	1-hour	43.9	53.9	40.5	58.5	47.3	46.1	44.2	43.4	43.0	42.4
9/18/2020	2:00 AM	1-hour	43.6	53.6	40.2	54.4	46.5	45.4	44.1	43.2	42.7	42.1
9/18/2020	3:00 AM	1-hour	45.7	55.7	39.9	64.9	50.3	49.3	47.0	43.9	43.3	42.3
9/18/2020	4:00 AM	1-hour	46.4	56.4	41.3	52.5	48.7	47.9	46.9	46.1	45.7	44.9
9/18/2020	5:00 AM	1-hour	47.2	57.2	42.9	63.5	50.4	48.7	47.5	46.9	46.5	45.9
9/18/2020	6:00 AM	1-hour	51.5	61.5	46.2	67.4	55.4	53.2	51.6	50.9	50.6	50.1
9/18/2020	7:00 AM	1-hour	52.1	52.1	49.0	67.1	56.3	54.3	52.1	51.4	51.1	50.6
9/18/2020	8:00 AM	1-hour	51.8	51.8	48.8	67.7	55.3	53.3	51.9	51.4	51.1	50.6
9/18/2020	9:00 AM	1-hour	55.1	55.1	48.4	68.6	58.4	57.1	55.5	54.4	54.1	53.8
9/18/2020	10:00 AM	1-hour	56.1	56.1	48.5	70.5	58.4	56.9	56.3	55.9	55.7	55.3
9/18/2020	11:00 AM	1-hour	58.1	58.1	55.1	76.0	61.9	60.1	58.1	57.5	57.2	56.8
9/18/2020	12:00 PM	1-hour	58.8	58.8	55.5	79.6	64.2	59.8	58.6	58.2	58.0	57.6
9/18/2020	1:00 PM	1-hour	58.5	58.5	56.0	71.4	61.0	59.7	58.7	58.3	58.1	57.7
9/18/2020	2:00 PM	1-hour	59.9	59.9	57.1	80.2	64.9	60.7	59.8	59.4	59.2	58.8
9/18/2020	3:00 PM	1-hour	59.7	59.7	57.2	75.6	62.2	60.7	60.0	59.5	59.3	58.9
9/18/2020	4:00 PM	1-hour	59.1	59.1	55.4	68.3	61.2	60.1	59.4	58.9	58.6	58.1
9/18/2020	5:00 PM	1-hour	57.4	57.4	53.7	67.4	60.4	59.1	57.6	57.0	56.7	56.3
9/18/2020	6:00 PM	1-hour	56.7	56.7	54.1	65.9	58.7	57.9	57.2	56.6	56.2	55.7
9/18/2020	7:00 PM	1-hour	56.7	56.7	52.9	71.4	59.4	57.6	57.0	56.5	56.2	55.6
9/18/2020	8:00 PM	1-hour	53.1	53.1	48.1	64.5	55.7	54.8	53.9	52.6	52.2	51.6
9/18/2020	9:00 PM	1-hour	53.7	53.7	45.4	78.0	61.9	58.7	52.3	50.6	49.8	48.8
9/18/2020	10:00 PM	1-hour	47.9	57.9	44.1	60.0	50.7	49.3	48.1	47.6	47.3	46.8

9/18/2020	11:00 PM	1-hour	48.8	58.8	44.1	59.2	51.9	50.6	49.2	48.3	48.0	47.4
Daytime (7 AM to 7 PM)			*57.6*	*--*	*48.4*	*80.2*	*61.1*	*58.8*	*57.7*	*57.2*	*57.0*	*56.6*
Evening (7 PM to 10 PM)			*54.8*	*--*	*45.4*	*78.0*	*59.7*	*57.4*	*54.9*	*53.9*	*53.5*	*52.9*
Nightime (10 PM to 7 AM)			*47.4*	*--*	*39.9*	*67.4*	*50.7*	*49.2*	*47.7*	*46.9*	*46.5*	*45.9*
	24-hour DNL		*--*	*57.2*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*

Date	Time	Duration	Leq	DNL	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
9/19/2020	12:00 AM	1-hour	45.8	55.8	41.9	57.8	48.4	47.4	46.2	45.4	45.0	44.5
9/19/2020	1:00 AM	1-hour	46.1	56.1	42.4	56.2	48.3	47.7	46.7	45.9	45.4	44.7
9/19/2020	2:00 AM	1-hour	46.1	56.1	41.5	64.3	51.5	48.5	46.1	45.1	44.7	43.7
9/19/2020	3:00 AM	1-hour	45.6	55.6	41.4	60.4	49.1	47.5	45.8	45.2	44.7	44.0
9/19/2020	4:00 AM	1-hour	46.4	56.4	42.0	62.8	49.4	48.1	46.6	46.0	45.6	45.0
9/19/2020	5:00 AM	1-hour	50.1	60.1	44.1	70.6	55.1	51.8	50.3	49.4	48.9	48.3
9/19/2020	6:00 AM	1-hour	52.5	62.5	48.2	69.5	55.5	53.6	52.8	52.3	52.0	51.4
9/19/2020	7:00 AM	1-hour	51.7	51.7	46.3	65.6	54.4	53.5	52.3	51.4	50.9	50.2
9/19/2020	8:00 AM	1-hour	51.7	51.7	46.1	66.1	54.5	53.0	52.0	51.4	51.1	50.7
9/19/2020	9:00 AM	1-hour	52.5	52.5	47.2	66.6	56.0	54.3	52.8	52.0	51.7	51.2
9/19/2020	10:00 AM	1-hour	51.6	51.6	47.4	61.7	53.6	52.7	51.9	51.5	51.2	50.7
9/19/2020	11:00 AM	1-hour	52.2	52.2	47.8	65.7	55.3	53.6	52.5	51.8	51.5	51.0
9/19/2020	12:00 PM	1-hour	52.5	52.5	46.7	65.8	55.4	53.8	52.8	52.1	51.8	51.3
9/19/2020	1:00 PM	1-hour	52.2	52.2	48.0	68.5	56.1	54.1	52.4	51.6	51.2	50.7
Daytime (7 AM to 10 PM)			*52.1*	*--*	*46.1*	*68.5*	*55.1*	*53.6*	*52.4*	*51.7*	*51.4*	*50.9*
Evening (7 PM to 10 PM)			*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*
Nightime (10 PM to 7 AM)			*47.3*	*--*	*41.4*	*70.6*	*51.0*	*48.8*	*47.6*	*46.8*	*46.5*	*45.8*
	24-hour DNL		*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.1: Ambient Noise Monitoring Data
Prepared by MIG, January 2021

TABLE E2: SUMMARY OF SITE LT-2 NOISE MONITORING DATA												
Date	Time	Duration	Leq	DNL	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
9/17/2020	2:00 PM	1-hour	58.5	58.5	56.3	77.5	62.9	59.4	58.4	58.0	57.8	57.6
9/17/2020	3:00 PM	1-hour	61.4	61.4	56.8	74.2	65.8	63.1	61.7	60.7	60.3	59.9
9/17/2020	4:00 PM	1-hour	58.4	58.4	56.8	66.1	60.5	59.4	58.6	58.1	58.0	57.7
9/17/2020	5:00 PM	1-hour	58.4	58.4	56.8	70.0	60.5	59.4	58.6	58.2	58.0	57.8
9/17/2020	6:00 PM	1-hour	60.3	60.3	56.0	89.3	69.6	63.4	57.8	57.4	57.2	56.9
9/17/2020	7:00 PM	1-hour	57.5	57.5	56.3	66.5	59.0	58.2	57.6	57.4	57.2	57.0
9/17/2020	8:00 PM	1-hour	57.1	57.1	56.1	63.2	58.4	57.8	57.3	57.0	56.9	56.7
9/17/2020	9:00 PM	1-hour	57.3	57.3	56.0	62.0	58.5	57.9	57.4	57.2	57.0	56.9
9/17/2020	10:00 PM	1-hour	60.1	70.1	56.1	87.0	68.1	64.2	58.8	57.6	57.1	56.7
9/17/2020	11:00 PM	1-hour	56.6	66.6	55.8	60.5	57.7	57.1	56.7	56.5	56.4	56.3
Daytime (7 AM to 7 PM)			*59.4*	--	*56.0*	*56.8*	*65.4*	*61.4*	*59.3*	*58.6*	*58.4*	*58.1*
Evening (7 PM to 10 PM)			*57.3*	--	*56.0*	*66.5*	*58.6*	*58.0*	*57.5*	*57.2*	*57.0*	*56.9*
Nightime (10 PM to 7 AM)			*58.7*	--	*55.8*	*87.0*	*65.5*	*62.0*	*57.9*	*57.1*	*56.7*	*56.5*
	24-hour DNL		--	--	-	--	-	-	-	-	-	-

Date	Time	Duration	Leq	DNL	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
9/18/2020	12:00 AM	1-hour	56.3	66.3	55.5	58.4	56.9	56.7	56.4	56.3	56.2	56.1
9/18/2020	1:00 AM	1-hour	56.2	66.2	55.3	59.1	56.7	56.5	56.3	56.2	56.1	56.0
9/18/2020	2:00 AM	1-hour	56.2	66.2	55.0	69.4	57.5	56.7	56.2	56.1	56.0	55.9
9/18/2020	3:00 AM	1-hour	55.6	65.6	54.8	60.9	56.7	56.2	55.7	55.5	55.4	55.3
9/18/2020	4:00 AM	1-hour	55.7	65.7	54.8	59.1	56.5	56.1	55.8	55.6	55.5	55.4
9/18/2020	5:00 AM	1-hour	56.1	66.1	55.1	63.1	57.5	56.8	56.2	55.9	55.8	55.7
9/18/2020	6:00 AM	1-hour	57.3	67.3	55.4	69.4	60.3	58.5	57.4	56.9	56.7	56.5
9/18/2020	7:00 AM	1-hour	57.9	57.9	55.7	80.6	63.9	59.3	57.4	56.8	56.7	56.4
9/18/2020	8:00 AM	1-hour	56.9	56.9	55.6	67.6	59.3	57.9	57.1	56.7	56.5	56.3
9/18/2020	9:00 AM	1-hour	59.5	59.5	55.4	75.9	65.0	63.2	60.1	57.8	57.2	56.6
9/18/2020	10:00 AM	1-hour	56.7	56.7	55.4	66.1	58.7	57.5	56.8	56.5	56.3	56.1
9/18/2020	11:00 AM	1-hour	57.7	57.7	55.6	69.8	60.0	58.9	57.9	57.3	57.1	56.9
9/18/2020	12:00 PM	1-hour	57.9	57.9	56.2	63.9	59.4	58.7	58.1	57.7	57.6	57.3
9/18/2020	1:00 PM	1-hour	58.0	58.0	56.5	64.8	59.4	58.8	58.3	57.9	57.7	57.4
9/18/2020	2:00 PM	1-hour	58.8	58.8	57.0	70.0	61.0	60.0	59.1	58.5	58.3	58.0
9/18/2020	3:00 PM	1-hour	59.0	59.0	56.8	73.2	62.0	60.2	59.1	58.7	58.5	58.2
9/18/2020	4:00 PM	1-hour	60.2	60.2	57.7	80.3	65.2	61.8	60.0	59.4	59.2	58.9
9/18/2020	5:00 PM	1-hour	59.6	59.6	57.4	75.1	62.9	61.5	59.6	59.1	58.9	58.6
9/18/2020	6:00 PM	1-hour	62.4	62.4	57.4	90.7	71.0	66.9	60.1	59.0	58.7	58.4
9/18/2020	7:00 PM	1-hour	59.0	59.0	57.3	66.8	60.8	59.8	59.2	58.8	58.6	58.4
9/18/2020	8:00 PM	1-hour	58.5	58.5	56.5	74.3	61.4	60.5	58.9	57.7	57.4	57.2
9/18/2020	9:00 PM	1-hour	59.0	59.0	55.9	83.5	66.8	61.9	58.0	57.2	57.1	56.8
9/18/2020	10:00 PM	1-hour	57.8	67.8	55.8	72.4	61.0	59.4	58.1	57.3	56.9	56.6

9/18/2020	11:00 PM	1-hour	56.9	66.9	55.3	62.5	58.1	57.6	57.1	56.8	56.7	56.4
Daytime (7 AM to 7 PM)			*59.0*	*--*	*55.4*	*90.7*	*64.1*	*61.3*	*58.8*	*58.1*	*57.8*	*57.5*
Evening (7 PM to 10 PM)			*58.8*	*--*	*55.9*	*83.5*	*63.9*	*60.8*	*58.7*	*58.0*	*57.8*	*57.5*
Nightime (10 PM to 7 AM)			*56.5*	*--*	*54.8*	*72.4*	*58.2*	*57.3*	*56.6*	*56.3*	*56.2*	*56.0*
	24-hour DNL		*--*	*63.4*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*

Date	Time	Duration	Leq	DNL	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
9/19/2020	12:00 AM	1-hour	60.1	70.1	55.1	90.6	70.9	64.3	56.1	55.8	55.7	55.6
9/19/2020	1:00 AM	1-hour	55.8	65.8	54.9	59.5	56.4	56.2	55.9	55.8	55.7	55.6
9/19/2020	2:00 AM	1-hour	55.9	65.9	55.0	63.7	57.6	56.8	56.0	55.7	55.6	55.5
9/19/2020	3:00 AM	1-hour	55.8	65.8	54.8	64.6	56.7	56.3	55.9	55.8	55.7	55.5
9/19/2020	4:00 AM	1-hour	55.8	65.8	55.0	59.9	56.7	56.2	55.9	55.7	55.6	55.5
9/19/2020	5:00 AM	1-hour	56.5	66.5	55.1	60.2	57.6	57.1	56.6	56.4	56.3	56.1
9/19/2020	6:00 AM	1-hour	57.6	67.6	56.0	62.1	58.7	58.2	57.8	57.5	57.4	57.1
9/19/2020	7:00 AM	1-hour	57.3	57.3	55.5	78.3	61.9	58.7	57.2	56.7	56.5	56.3
9/19/2020	8:00 AM	1-hour	56.9	56.9	55.5	62.9	58.1	57.5	57.0	56.7	56.6	56.4
9/19/2020	9:00 AM	1-hour	57.5	57.5	55.7	67.6	60.4	58.9	57.6	57.0	56.8	56.6
9/19/2020	10:00 AM	1-hour	57.6	57.6	56.1	77.2	61.2	59.3	57.4	57.1	56.9	56.8
9/19/2020	11:00 AM	1-hour	57.3	57.3	56.0	62.2	58.7	58.0	57.4	57.2	57.1	56.9
9/19/2020	12:00 PM	1-hour	57.2	57.2	55.9	61.4	58.4	57.9	57.4	57.1	57.0	56.8
9/19/2020	1:00 PM	1-hour	57.3	57.3	56.0	69.1	59.3	58.3	57.4	57.1	56.9	56.8
Daytime (7 AM to 7 PM)			*57.3*	*--*	*55.5*	*78.3*	*59.9*	*58.4*	*57.4*	*57.0*	*56.8*	*56.6*
Evening (7 PM to 10 PM)			*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*
Nightime (10 PM to 7 AM)			*56.0*	*--*	*54.8*	*90.6*	*62.4*	*57.9*	*55.3*	*55.0*	*54.9*	*54.8*
	24-hour DNL		*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*	*--*

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.1: Ambient Noise Monitoring Data
Prepared by MIG, January 2021

TABLE E3: SUMMARY OF SITE ST-1 NOISE MONITORING DATA											
Date	Time	Duration	Leq	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
9/17/2020	2:50 PM	10-minutes	59.7	55.2	68.1	62.8	61.5	60.2	59.2	58.8	58.1
9/17/2020	3:00 PM	10-minutes	59.1	55.6	74.2	64.8	60.6	59.0	58.3	58.0	57.5
		Average	*59.4*	*55.2*	*74.2*	*63.9*	*61.1*	*59.6*	*58.8*	*58.4*	*57.8*

TABLE E4: SUMMARY OF SITE ST-2 NOISE MONITORING DATA											
Date	Time	Duration	Leq	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
9/17/2020	3:20 PM	10-minutes	60.9	55.4	74.8	67.5	65.3	61.0	58.8	57.7	56.9
9/17/2020	3:30 PM	10-minutes	62.4	55.7	76.1	69.2	66.8	62.8	59.9	58.8	57.6
		Average	*61.8*	*55.4*	*76.1*	*68.4*	*66.1*	*62.0*	*59.4*	*58.2*	*57.3*

TABLE E5: SUMMARY OF SITE ST-3 NOISE MONITORING DATA											
Date	Time	Duration	Leq	Lmin	Lmax	L(1.6)	L(8.3)	L(25)	L(50)	L(66.6)	L(90)
9/17/2020	2:20 PM	10-minutes	58.7	57.0	61.1	59.6	59.2	58.9	58.6	58.5	58.3
9/17/2020	2:30 PM	10-minutes	58.7	57.2	60.0	59.5	59.3	58.9	58.7	58.5	58.2
		Average	*58.7*	*57.0*	*61.1*	*59.6*	*59.2*	*58.9*	*58.7*	*58.5*	*58.3*

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.2: RCNM Output
Prepared by MIG, February 2021

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/27/2021
Case Descripti SCVMC: Behavioral Health Center Construction (Grading and Exc)

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-1: Main Hos	Industrial	59	58.8	56.5

			Equipment			
			Spec	Actual	Recepto	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	180	0
Excavator	No	40		80.7	180	0
Dozer	No	40		81.7	180	0
Auger Drill Rig	No	20		84.4	180	0
Compressor (air)	No	40		77.7	180	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	69.6	65.6	80	N/A	55	N/A	N/A	N/A	None	N/A	14.6	N/A	N/A	N/A
Excavator	69.6	65.6	80	N/A	55	N/A	N/A	N/A	None	N/A	14.6	N/A	N/A	N/A
Dozer	70.5	66.6	80	N/A	55	N/A	N/A	N/A	None	N/A	15.5	N/A	N/A	N/A
Auger Drill Rig	73.2	66.2	80	N/A	55	N/A	N/A	N/A	None	N/A	18.2	N/A	N/A	N/A
Compressor (air)	66.5	62.6	80	N/A	55	N/A	N/A	N/A	None	N/A	11.5	N/A	N/A	N/A
Total	73.2	72.5	80	N/A	55	N/A	N/A	N/A	None	N/A	18.2	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-2: Kidango	Commercia	57.2	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Recepto Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	360	10
Excavator	No	40		80.7	360	10
Dozer	No	40		81.7	360	10
Auger Drill Rig	No	20		84.4	360	10
Compressor (air)	No	40		77.7	360	10

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	53.6	49.6	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Excavator	53.6	49.6	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Dozer	54.5	50.5	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Auger Drill Rig	57.2	50.2	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Compressor (air)	50.5	46.5	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	57.2	56.5	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-3: Empey W	Residential	62.4	54.8	47.4

			Equipment Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	420	0
Excavator	No	40		80.7	420	0
Dozer	No	40		81.7	420	0
Auger Drill Rig	No	20		84.4	420	0
Compressor (air)	No	40		77.7	420	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	62.2	58.2	75	N/A	50	N/A	N/A	N/A	None	N/A	12.2	N/A	N/A	N/A
Excavator	62.2	58.2	75	N/A	50	N/A	N/A	N/A	None	N/A	12.2	N/A	N/A	N/A
Dozer	63.2	59.2	75	N/A	50	N/A	N/A	N/A	None	N/A	13.2	N/A	N/A	N/A
Auger Drill Rig	65.9	58.9	75	N/A	50	N/A	N/A	N/A	None	N/A	15.9	N/A	N/A	N/A
Compressor (air)	59.2	55.2	75	N/A	50	N/A	N/A	N/A	None	N/A	9.2	N/A	N/A	N/A
Total	65.9	65.1	75	N/A	50	N/A	N/A	N/A	None	N/A	15.9	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-4: Sierra Cre	Industrial	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Recepto Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	910	0
Excavator	No	40		80.7	910	0
Dozer	No	40		81.7	910	0
Auger Drill Rig	No	20		84.4	910	0
Compressor (air)	No	40		77.7	910	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	55.5	51.5	80	N/A	55	N/A	N/A	N/A	None	N/A	0.5	N/A	N/A	N/A
Excavator	55.5	51.5	80	N/A	55	N/A	N/A	N/A	None	N/A	0.5	N/A	N/A	N/A
Dozer	56.5	52.5	80	N/A	55	N/A	N/A	N/A	None	N/A	1.5	N/A	N/A	N/A
Auger Drill Rig	59.2	52.2	80	N/A	55	N/A	N/A	N/A	None	N/A	4.2	N/A	N/A	N/A
Compressor (air)	52.5	48.5	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	59.2	58.4	80	N/A	55	N/A	N/A	N/A	None	N/A	4.2	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.2: RCNM Output
Prepared by MIG, February 2021

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/27/2021
Case Descriptio SCVMC: Behavioral Health Center Construction (Foundation Construction)

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-1: Main Hosp	Industrial	59	58.8	56.5

			Equipment			
			Spec	Actual	Recepto	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%	(dBA)	(dBA)	(feet)	(dBA)
Welder / Torch	No	40		74	180	0
Front End Loader	No	40		79.1	180	0
Concrete Pump Truck	No	20		81.4	180	0
Crane	No	16		80.6	180	0
Compressor (air)	No	40		77.7	180	0

	Results													
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Welder / Torch	62.9	58.9	80	N/A	55	N/A	N/A	N/A	None	N/A	7.9	N/A	N/A	N/A
Front End Loader	68	64	80	N/A	55	N/A	N/A	N/A	None	N/A	13	N/A	N/A	N/A
Concrete Pump Truck	70.3	63.3	80	N/A	55	N/A	N/A	N/A	None	N/A	15.3	N/A	N/A	N/A
Crane	69.4	61.5	80	N/A	55	N/A	N/A	N/A	None	N/A	14.4	N/A	N/A	N/A
Compressor (air)	66.5	62.6	80	N/A	55	N/A	N/A	N/A	None	N/A	11.5	N/A	N/A	N/A
Total	70.3	69.4	80	N/A	55	N/A	N/A	N/A	None	N/A	15.3	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-2: Kidango	Commerci	57.2	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Recepto Distance (feet)	Estimated Shielding (dBA)
Welder / Torch	No	40		74	360	10
Front End Loader	No	40		79.1	360	10
Concrete Pump Truck	No	20		81.4	360	10
Crane	No	16		80.6	360	10
Compressor (air)	No	40		77.7	360	10

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Welder / Torch	46.9	42.9	80	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Front End Loader	52	48	80	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Concrete Pump Truck	54.3	47.3	80	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Crane	53.4	45.4	80	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Compressor (air)	50.5	46.5	80	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	54.3	53.3	80	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-3: Empey Wa	Residentia	62.4	54.8	47.4

Description	Impact Device	Usage(%	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Recepto Distance (feet)	Estimated Shielding (dBA)
Welder / Torch	No	40		74	420	0
Front End Loader	No	40		79.1	420	0
Concrete Pump Truck	No	20		81.4	420	0
Crane	No	16		80.6	420	0
Compressor (air)	No	40		77.7	420	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Welder / Torch	55.5	51.5	75	N/A	50	N/A	N/A	N/A	None	N/A	5.5	N/A	N/A	N/A
Front End Loader	60.6	56.6	75	N/A	50	N/A	N/A	N/A	None	N/A	10.6	N/A	N/A	N/A
Concrete Pump Truck	62.9	55.9	75	N/A	50	N/A	N/A	N/A	None	N/A	12.9	N/A	N/A	N/A
Crane	62.1	54.1	75	N/A	50	N/A	N/A	N/A	None	N/A	12.1	N/A	N/A	N/A
Compressor (air)	59.2	55.2	75	N/A	50	N/A	N/A	N/A	None	N/A	9.2	N/A	N/A	N/A
Total	62.9	62	75	N/A	50	N/A	N/A	N/A	None	N/A	12.9	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-4: Sierra Cres	Industrial	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Recepto Distance (feet)	Estimated Shielding (dBA)
Welder / Torch	No	40		74	910	0
Front End Loader	No	40		79.1	910	0
Concrete Pump Truck	No	20		81.4	910	0
Crane	No	16		80.6	910	0
Compressor (air)	No	40		77.7	910	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Welder / Torch	48.8	44.8	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Front End Loader	53.9	49.9	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Concrete Pump Truck	56.2	49.2	80	N/A	55	N/A	N/A	N/A	None	N/A	1.2	N/A	N/A	N/A
Crane	55.3	47.4	80	N/A	55	N/A	N/A	N/A	None	N/A	0.3	N/A	N/A	N/A
Compressor (air)	52.5	48.5	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	56.2	55.3	80	N/A	55	N/A	N/A	N/A	None	N/A	1.2	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.2: RCNM Output
Prepared by MIG, February 2021

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/27/2021
Case Description: SCVMC: Behavioral Health Center Construction (Exterior Wall / Interior Improvements)

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-1: Main Hospital	Industrial	59	58.8	56.5

			Equipment			
			Spec	Actual	Receptc	Estimated
		Impact	Lmax	Lmax	Distanc	Shielding
Description		Device	Usage(%	(dBA)	(dBA)	(feet)	(dBA)
Man Lift		No	20		74.7	180	0
Man Lift		No	20		74.7	180	0
Crane		No	16		80.6	180	0
Compressor (air)		No	40		77.7	180	0
Compressor (air)		No	40		77.7	180	0

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Man Lift		63.6	56.6	80	N/A	55	N/A	N/A	N/A	None	N/A	8.6	N/A	N/A	N/A
Man Lift		63.6	56.6	80	N/A	55	N/A	N/A	N/A	None	N/A	8.6	N/A	N/A	N/A
Crane		69.4	61.5	80	N/A	55	N/A	N/A	N/A	None	N/A	14.4	N/A	N/A	N/A
Compressor (air)		66.5	62.6	80	N/A	55	N/A	N/A	N/A	None	N/A	11.5	N/A	N/A	N/A
Compressor (air)		66.5	62.6	80	N/A	55	N/A	N/A	N/A	None	N/A	11.5	N/A	N/A	N/A
	Total	69.4	67.7	80	N/A	55	N/A	N/A	N/A	None	N/A	14.4	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-2: Kidango	Commercia	57.2	54.8	47.4

Description	Impact Device	Usage(%	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptc Distanc (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	360	10
Man Lift	No	20		74.7	360	10
Crane	No	16		80.6	360	10
Compressor (air)	No	40		77.7	360	10
Compressor (air)	No	40		77.7	360	10

Results

		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Man Lift		47.6	40.6	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Man Lift		47.6	40.6	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Crane		53.4	45.4	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Compressor (air)		50.5	46.5	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Compressor (air)		50.5	46.5	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
	Total	53.4	51.7	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-3: Empey Way (SF	Residential	62.4	54.8	47.4

Description	Impact Device	Usage(%	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptc Distanc (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	420	0
Man Lift	No	20		74.7	420	0
Crane	No	16		80.6	420	0
Compressor (air)	No	40		77.7	420	0
Compressor (air)	No	40		77.7	420	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Man Lift	56.2	49.2	75	N/A	50	N/A	N/A	N/A	None	N/A	6.2	N/A	N/A	N/A
Man Lift	56.2	49.2	75	N/A	50	N/A	N/A	N/A	None	N/A	6.2	N/A	N/A	N/A
Crane	62.1	54.1	75	N/A	50	N/A	N/A	N/A	None	N/A	12.1	N/A	N/A	N/A
Compressor (air)	59.2	55.2	75	N/A	50	N/A	N/A	N/A	None	N/A	9.2	N/A	N/A	N/A
Compressor (air)	59.2	55.2	75	N/A	50	N/A	N/A	N/A	None	N/A	9.2	N/A	N/A	N/A
Total	62.1	60.4	75	N/A	50	N/A	N/A	N/A	None	N/A	12.1	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-4: Sierra Crest Co	Industrial	58.7	54.8	47.4

Description	Impact Device	Usage(%	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptc Distanc (feet)	Estimated Shielding (dBA)
Man Lift	No	20		74.7	910	0
Man Lift	No	20		74.7	910	0
Crane	No	16		80.6	910	0
Compressor (air)	No	40		77.7	910	0
Compressor (air)	No	40		77.7	910	0

Results

		Calculated (dBA)		Noise Limits (dBA) Day		Evening		Night		Noise Limit Exceedance (dBA) Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Man Lift		49.5	42.5	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Man Lift		49.5	42.5	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Crane		55.3	47.4	80	N/A	55	N/A	N/A	N/A	None	N/A	0.3	N/A	N/A	N/A
Compressor (air)		52.5	48.5	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Compressor (air)		52.5	48.5	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
	Total	55.3	53.6	80	N/A	55	N/A	N/A	N/A	None	N/A	0.3	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.2: RCNM Output
Prepared by MIG, February 2021

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/27/2021
Case Descripti SCVMC: Parking Garage Construction (Grading and Exc)

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-1: Main Hos	Industrial	59	58.8	56.5

			Equipment			
			Spec	Actual	Recepto	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	670	0
Excavator	No	40		80.7	670	0
Dozer	No	40		81.7	670	0
Drill Rig Truck	No	20		79.1	670	0
Compressor (air)	No	40		77.7	670	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	58.2	54.2	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Excavator	58.2	54.2	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Dozer	59.1	55.1	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Drill Rig Truck	56.6	49.6	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Compressor (air)	55.1	51.1	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	59.1	60.3	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-2: Kidango	Commercial	57.2	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	150	10
Excavator	No	40		80.7	150	10
Dozer	No	40		81.7	150	10
Drill Rig Truck	No	20		79.1	150	10
Compressor (air)	No	40		77.7	150	10

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	61.2	57.2	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Excavator	61.2	57.2	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Dozer	62.1	58.1	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Drill Rig Truck	59.6	52.6	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Compressor (air)	58.1	54.1	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	62.1	63.3	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-3: Empey W	Residential	62.4	54.8	47.4

			Equipment			
			Spec	Actual	Recepto	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	460	10
Excavator	No	40		80.7	460	10
Dozer	No	40		81.7	460	10
Drill Rig Truck	No	20		79.1	460	10
Compressor (air)	No	40		77.7	460	10

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	51.4	47.5	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Excavator	51.4	47.5	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Dozer	52.4	48.4	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Drill Rig Truck	49.9	42.9	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Compressor (air)	48.4	44.4	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	52.4	53.6	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-4: Sierra Cre	Industrial	58.7	54.8	47.4

Description	Impact Device	Usage(%	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Recepto Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	420	0
Excavator	No	40		80.7	420	0
Dozer	No	40		81.7	420	0
Drill Rig Truck	No	20		79.1	420	0
Compressor (air)	No	40		77.7	420	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	62.2	58.2	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Excavator	62.2	58.2	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Dozer	63.2	59.2	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Drill Rig Truck	60.7	53.7	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Compressor (air)	59.2	55.2	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	63.2	64.4	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-5: Fruitdale	Residential	58.7	54.8	47.4

Description	Impact Device	Usage(%	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	680	5
Excavator	No	40		80.7	680	5
Dozer	No	40		81.7	680	5
Drill Rig Truck	No	20		79.1	680	5
Compressor (air)	No	40		77.7	680	5

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	53	49.1	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Excavator	53	49.1	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Dozer	54	50	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Drill Rig Truck	51.5	44.5	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Compressor (air)	50	46	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	54	55.2	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.2: RCNM Output
Prepared by MIG, February 2021

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/27/2021
Case Descrip SCVMC: Parking Garage Construction (Foundation Construction)

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-1: Main Hc	Industrial	59	58.8	56.5

Description	Impact Device	Usage(%	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Recepto Distance (feet)	Estimated Shielding (dBA)
Welder / Torch	No	40		74	670	0
Front End Loader	No	40		79.1	670	0
Concrete Pump Truck	No	20		81.4	670	0
Crane	No	16		80.6	670	0
Compressor (air)	No	40		77.7	670	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Welder / Torch	51.5	47.5	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Front End Loader	56.6	52.6	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Concrete Pump Truck	58.9	51.9	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Crane	58	50	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Compressor (air)	55.1	51.1	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	58.9	57.9	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-2: Kidango	Commercial	57.2	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Recepto Distance (feet)	Estimated Shielding (dBA)
Welder / Torch	No	40		74	150	10
Front End Loader	No	40		79.1	150	10
Concrete Pump Truck	No	20		81.4	150	10
Crane	No	16		80.6	150	10
Compressor (air)	No	40		77.7	150	10

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Welder / Torch	54.5	50.5	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Front End Loader	59.6	55.6	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Concrete Pump Truck	61.9	54.9	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Crane	61	53	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Compressor (air)	58.1	54.1	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	61.9	60.9	85	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-3: Empey \	Residential	62.4	54.8	47.4

Description	Impact Device	Usage(%	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Recepto Distance (feet)	Estimated Shielding (dBA)
Welder / Torch	No	40		74	460	10
Front End Loader	No	40		79.1	460	10
Concrete Pump Truck	No	20		81.4	460	10
Crane	No	16		80.6	460	10
Compressor (air)	No	40		77.7	460	10

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Welder / Torch	44.7	40.7	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Front End Loader	49.8	45.9	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Concrete Pump Truck	52.1	45.1	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Crane	51.3	43.3	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Compressor (air)	48.4	44.4	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	52.1	51.2	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-4: Sierra C	Industrial	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Welder / Torch	No	40		74	420	0
Front End Loader	No	40		79.1	420	0
Concrete Pump Truck	No	20		81.4	420	0
Crane	No	16		80.6	420	0
Compressor (air)	No	40		77.7	420	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Welder / Torch	55.5	51.5	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Front End Loader	60.6	56.6	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Concrete Pump Truck	62.9	55.9	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Crane	62.1	54.1	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Compressor (air)	59.2	55.2	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	62.9	62	80	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-5: Fruitdal	Residential	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Welder / Torch	No	40		74	680	5
Front End Loader	No	40		79.1	680	5
Concrete Pump Truck	No	20		81.4	680	5
Crane	No	16		80.6	680	5
Compressor (air)	No	40		77.7	680	5

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Welder / Torch	46.3	42.3	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Front End Loader	51.4	47.5	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Concrete Pump Truck	53.7	46.7	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Crane	52.9	44.9	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Compressor (air)	50	46	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	53.7	52.8	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.2: RCNM Output
Prepared by MIG, February 2021

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/27/2021
Case Descript SCVMC: Don Lowe Pavilion Demolition

		---- Receptor #5 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-5: Fruitdale	Residential	58.7	54.8	47.4

			Equipment			
			Spec	Actual	Recepto	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40		80.7	460	0
Front End Loader	No	40		79.1	460	0
Front End Loader	No	40		79.1	460	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	61.4	57.5	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Front End Loader	59.8	55.9	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Front End Loader	59.8	55.9	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	61.4	61.2	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
R-6: Fruitdale	Residential	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Recepto Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	135	0
Front End Loader	No	40		79.1	135	0
Front End Loader	No	40		79.1	135	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	72.1	68.1	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Front End Loader	70.5	66.5	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Front End Loader	70.5	66.5	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A
Total	72.1	71.9	75	N/A	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.2: RCNM Output
Prepared by MIG, February 2021

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/8/2021
Case Descr SCVMC: Moorpark Staging

		---- Receptor #1 ----		
	Baselines (dBA)			
Descriptior	Land Use	Daytime	Evening	Night
R-1: Main H	Industrial	59	58.8	56.5

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%	(dBA)	(dBA)	(feet)	(dBA)
Front End Loader	No	40		79.1	370	5
Gradall	No	40		83.4	370	5
Vacuum Excavator (Va	No	40		85.3	370	5

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	56.7	52.7	80	N/A	55	N/A	N/A	N/A	None	N/A	1.7	N/A	N/A	N/A
Gradall	61	57	80	N/A	55	N/A	N/A	N/A	None	N/A	6	N/A	N/A	N/A
Vacuum Excavator (Va	62.9	58.9	80	N/A	55	N/A	N/A	N/A	None	N/A	7.9	N/A	N/A	N/A
Total	62.9	61.7	80	N/A	55	N/A	N/A	N/A	None	N/A	7.9	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-2: Kidang	Commercia	57.2	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader		-4	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall		-4	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Vac-truck)		-4	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	0	0.8	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-3: Empe\	Residential	62.4	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	650	0
Gradall	No	40		83.4	650	0
Vacuum Excavator (Va	No	40		85.3	650	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	56.8	52.9	75	N/A	50	N/A	N/A	N/A	None	N/A	6.8	N/A	N/A	N/A
Gradall	61.1	57.1	75	N/A	50	N/A	N/A	N/A	None	N/A	11.1	N/A	N/A	N/A
Vacuum Excavator (Va	63	59	75	N/A	50	N/A	N/A	N/A	None	N/A	13	N/A	N/A	N/A
Total	63	61.8	75	N/A	50	N/A	N/A	N/A	None	N/A	13	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-4: Thorn	Industrial	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	54.2	50.2	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall	58.5	54.5	80	N/A	55	N/A	N/A	N/A	None	N/A	3.5	N/A	N/A	N/A
Vacuum Excavator (Va	60.4	56.4	80	N/A	55	N/A	N/A	N/A	None	N/A	5.4	N/A	N/A	N/A
Total	60.4	59.2	80	N/A	55	N/A	N/A	N/A	None	N/A	5.4	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-5: Fruitd	Residential	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Vac-truck)		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	0	0.8	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-6: Fruitd	Residential	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Vac-truck)		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	0	0.8	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-7: Moorp	Residential	62.4	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	475	0
Gradall	No	40		83.4	475	0
Vacuum Excavator (Va	No	40		85.3	475	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	59.6	55.6	75	N/A	50	N/A	N/A	N/A	None	N/A	9.6	N/A	N/A	N/A
Gradall	63.8	59.9	75	N/A	50	N/A	N/A	N/A	None	N/A	13.8	N/A	N/A	N/A
Vacuum Excavator (Va	65.7	61.8	75	N/A	50	N/A	N/A	N/A	None	N/A	15.7	N/A	N/A	N/A
Total	65.7	64.5	75	N/A	50	N/A	N/A	N/A	None	N/A	15.7	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-8: Moorp	Industrial	62.4	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	380	0
Gradall	No	40		83.4	380	0
Vacuum Excavator (Va	No	40		85.3	380	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	61.5	57.5	80	N/A	55	N/A	N/A	N/A	None	N/A	6.5	N/A	N/A	N/A
Gradall	65.8	61.8	80	N/A	55	N/A	N/A	N/A	None	N/A	10.8	N/A	N/A	N/A
Vacuum Excavator (Va	67.7	63.7	80	N/A	55	N/A	N/A	N/A	None	N/A	12.7	N/A	N/A	N/A
Total	67.7	66.5	80	N/A	55	N/A	N/A	N/A	None	N/A	12.7	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.2: RCNM Output
Prepared by MIG, February 2021

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/8/2021
Case Descr SCVMC: Timpany Center Staging

		---- Receptor #1 ----		
	Baselines (dBA)			
Descriptior	Land Use	Daytime	Evening	Night
R-1: Main I	Industrial	59	58.8	56.5

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%	(dBA)	(dBA)	(feet)	(dBA)
Front End Loader	No	40		79.1	610	0
Gradall	No	40		83.4	610	0
Vacuum Excavator (Va	No	40		85.3	610	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	57.4	53.4	80	N/A	55	N/A	N/A	N/A	None	N/A	2.4	N/A	N/A	N/A
Gradall	61.7	57.7	80	N/A	55	N/A	N/A	N/A	None	N/A	6.7	N/A	N/A	N/A
Vacuum Excavator (Va	63.6	59.6	80	N/A	55	N/A	N/A	N/A	None	N/A	8.6	N/A	N/A	N/A
Total	63.6	62.3	80	N/A	55	N/A	N/A	N/A	None	N/A	8.6	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-2: Kidang	Commercia	57.2	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	280	10
Gradall	No	40		83.4	280	10
Vacuum Excavator (Va	No	40		85.3	280	10

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	54.1	50.2	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall	58.4	54.5	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Va	60.3	56.4	85	N/A	60	N/A	N/A	N/A	None	N/A	0.3	N/A	N/A	N/A
Total	60.3	59.1	85	N/A	60	N/A	N/A	N/A	None	N/A	0.3	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-3: Empe\	Residential	62.4	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	450	10
Gradall	No	40		83.4	450	10
Vacuum Excavator (Va	No	40		85.3	450	10

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	50	46	75	N/A	50	N/A	N/A	N/A	None	N/A	0	N/A	N/A	N/A
Gradall	54.3	50.3	75	N/A	50	N/A	N/A	N/A	None	N/A	4.3	N/A	N/A	N/A
Vacuum Excavator (Va	56.2	52.2	75	N/A	50	N/A	N/A	N/A	None	N/A	6.2	N/A	N/A	N/A
Total	56.2	55	75	N/A	50	N/A	N/A	N/A	None	N/A	6.2	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R4: Sierra (	Industrial	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Vac-truck)		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	0	0.8	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-5: Fruitd	Residential	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	970	10
Gradall	No	40		83.4	970	10
Vacuum Excavator (Va	No	40		85.3	970	10

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	43.4	39.4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall	47.6	43.7	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Va	49.5	45.6	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	49.5	48.3	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-6: Fruitd	Residential	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Vac-truck)		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	0	0.8	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-7: Moorp	Residential	62.4	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	880	0
Gradall	No	40		83.4	880	0
Vacuum Excavator (Va	No	40		85.3	880	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	54.2	50.2	75	N/A	50	N/A	N/A	N/A	None	N/A	4.2	N/A	N/A	N/A
Gradall	58.5	54.5	75	N/A	50	N/A	N/A	N/A	None	N/A	8.5	N/A	N/A	N/A
Vacuum Excavator (Va	60.4	56.4	75	N/A	50	N/A	N/A	N/A	None	N/A	10.4	N/A	N/A	N/A
Total	60.4	59.2	75	N/A	50	N/A	N/A	N/A	None	N/A	10.4	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-8: Moore	Industrial	62.4	54.8	47.4

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Vac-truck)		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	0	0.8	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Santa Clara Valley Medical Center: Behavioral Health Center Project
County of Santa Clara
Appendix E.2: RCNM Output
Prepared by MIG, February 2021

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/8/2021
Case Descr SCVMC: T24 Parking Lot Staging

		---- Receptor #1 ----		
	Baselines (dBA)			
Descriptior	Land Use	Daytime	Evening	Night
R-1: Main H	Industrial	59	58.8	56.5

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%	(dBA)	(dBA)	(feet)	(dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Vac-truck)		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	0	0.8	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-2: Kidang	Commercia	57.2	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	810	10
Gradall	No	40		83.4	810	10
Vacuum Excavator (Va	No	40		85.3	810	10

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	44.9	40.9	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall	49.2	45.2	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Va	51.1	47.1	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	51.1	49.9	85	N/A	60	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-3: Empe\	Residential	62.4	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	5

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Vac-truck)		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	0	0.8	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R4: Sierra (	Industrial	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	870	5
Gradall	No	40		83.4	870	5
Vacuum Excavator (Va	No	40		85.3	870	5

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	49.3	45.3	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall	53.6	49.6	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Va	55.5	51.5	80	N/A	55	N/A	N/A	N/A	None	N/A	0.5	N/A	N/A	N/A
Total	55.5	54.3	80	N/A	55	N/A	N/A	N/A	None	N/A	0.5	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #5 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-5: Fruitd	Residential	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	460	15
Gradall	No	40		83.4	460	15
Vacuum Excavator (Va	No	40		85.3	460	20

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	44.8	40.9	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall	49.1	45.1	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Va	46	42	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	49.1	47.8	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #6 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-6: Fruitd	Residential	58.7	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Vac-truck)		-4	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	0	0.8	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #7 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-7: Moorp	Residential	62.4	54.8	47.4

Equipment

Description	Impact Device	Usage(%	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	460	15
Gradall	No	40		83.4	460	15
Vacuum Excavator (Va	No	40		85.3	460	15

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	44.8	40.9	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall	49.1	45.1	75	N/A	50	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Va	51	47	75	N/A	50	N/A	N/A	N/A	None	N/A	1	N/A	N/A	N/A
Total	51	49.8	75	N/A	50	N/A	N/A	N/A	None	N/A	1	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #8 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
R-8: Moore	Industrial	62.4	54.8	47.4

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	0	0
Gradall	No	40		83.4	0	0
Vacuum Excavator (Va	No	40		85.3	0	0

Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Gradall		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Vacuum Excavator (Vac-truck)		-4	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A
Total	0	0.8	80	N/A	55	N/A	N/A	N/A	None	N/A	None	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Santa Clara Valley Medical Center
Behavioral Health Services Center and Parking Structure

Appendix F: Traffic Analysis

This page deliberately left blank.

HEXAGON TRANSPORTATION CONSULTANTS, INC.

Santa Clara Valley Medical Center Expansion

Transportation Analysis

Prepared for:

HGA Architects & Engineers

February 23, 2021

Hexagon Transportation Consultants, Inc.
Hexagon Office: 4 North Second Street, Suite 400
San Jose, CA 95113
Hexagon Job Number: 20GB14
Phone: 408.971.6100
Client Name: Craig McInroy

Table of Contents

Appendices

List of Tables

List of Figures

Executive Summary

This report presents the results of the transportation analysis conducted for the proposed Santa Clara Valley Medical Center Expansion. The project site is actually located in a Santa Clara County pocket, but it is surrounded by San Jose, California. The County has the approval authority for the project and is the lead agency for the environmental review. However, since any project transportation impacts would occur in San Jose, the project was evaluated following the standards and methodologies established in the City of San Jose's Transportation Analysis Handbook, adopted in April 2018.

The project site is located within the South Bascom Urban Village boundary. The project proposes to demolish the parking garage located on the north-east corner of Ginger Lane and Middle Drive and build a new Behavioral Health Sciences Center (BHSC). The new BHSC will replace and consolidate existing services on the Santa Clara Valley Medical Center campus that are currently located in three separate buildings into one facility and will also add 27 beds to their services for a total of 77 beds. The newly expanded services will serve the behavioral health needs for the County of Santa Clara and the surrounding communities. A new parking garage will be built on to the north-west corner of Ginger Lane and Clove Drive with the primary driveway entrance located on Clove Drive. A secondary driveway providing access to Level 1 of the parking garage for electric vehicles and ADA parking will be located on Ginger Lane. The existing building on the site, which is vacant, will be demolished. A surface parking lot will also be developed on the site of the Don Lowe Pavilion, which will be demolished, at the north-west corner of Bradley Avenue and Enborg Lane. It will be developed as surplus parking. It would redistribute traffic from other areas of the campus and is not expected to result in an overall increase in traffic.

CEQA Transportation Impacts

Project Vehicle Miles Traveled (VMT) Analysis

The impact on VMT by the SCVMC proposed hospital expansion was analyzed using the City of San Jose's Travel Demand Forecasting (TDF) model by converting the project's net increase of 27 beds to retail jobs based on ITE rates. The SCVMC proposed hospital expansion would not cause an increase in trips but rather result in a change in trip making. The model results show that the job changes due to the proposed project would cause the areawide daily VMT for workers to increase slightly by 28 and the areawide daily VMT for patients would decrease by 1,741 for a total reduction of 1,713 daily VMT. The average reduction in daily VMT would be about 63.4 per bed.

CEQA Cumulative Impacts

The project is consistent with the General Plan goals and policies for the following reasons:

- The project would slightly increase the employment density in the project area, and the proposed density would be consistent with the General Plan Land Use Designation.
- The project would provide improvements in pedestrian connectivity in the vicinity of the project site.

Therefore, based on the project description, the proposed project would be consistent with *Envision San Jose 2040 General Plan*. The project would be considered as part of the cumulative solution to meet the General Plan's long-range transportation goals and would result in a less-than-significant cumulative impact.

Local Transportation Effects

Project Trip Generation

Based on trip generation rates recommended by the Institute of Transportation Engineers (ITE), it is estimated that the proposed project would generate 603 daily vehicle trips, including 50 trips occurring during the AM peak hour and 51 trips occurring during the PM peak hour

Intersection Traffic Operations

The results of the intersection level of service analysis (see Table ES-1) show that the intersection of Bascom Avenue and Moorpark Avenue operates unacceptably at an LOS E under existing, background and background plus project conditions. The project would not cause any adverse effects at this intersection. All other intersections operate at an acceptable level of service under all study scenarios. Unsignalized intersections do not meet signal warrants under any study scenario.

Intersection Vehicle Queuing Operations

Vehicle queuing was analyzed for the southbound right-turn pocket and the eastbound, northbound, and westbound movements at the Ginger Lane and Clove Drive intersection**.** The estimated queue lengths based on the Poisson numerical calculations show that under background plus project conditions all movements accommodate the 95th percentile queues at the intersections during both peak hours.

Other Transportation Issues

The proposed site plan shows adequate site access. The project would enhance pedestrian circulation by providing improved pedestrian access. The existing transit and bicycle services are sufficient to serve the project.

Hexagon has the following recommendations resulting from the site access analysis.

- The project applicant should work with VTA so the bus stop on Ginger Lane is relocated per VTA route needs.

Table ES 1
Intersection Level of Service Summary

#	Intersection	Peak Hour	Count Date	Traffic Control	Existing Conditions No Project Avg. Delay (sec)*	Existing Conditions No Project LOS	Background Conditions No Project Avg. Delay (sec)*	Background Conditions No Project LOS	Background Conditions with Project Avg. Delay (sec)*	Background Conditions with Project LOS	Incr. in Critical Delay (sec)	Incr. in Critical V/C
1	Thornton Way & Moorpark Avenue	AM	10/26/2016+	Signal	27.0	C	27.2	C	27.3	C	0.2	0.004
		PM	10/26/2016+		17.8	B	17.7	B	17.9	B	0.2	0.004
2	Ginger Lane & Moorpark Avenue	AM	9/15/2020++	Signal	34.7	C	34.9	C	35.8	D	1.3	0.015
		PM	9/15/2020++		38.9	D	36.5	D	37.9	D	2.2	0.016
3	Ginger Lane & Middle Drive	AM	9/15/2020++	AWSC	8.4	A	9.4	A	11.9	B	2.5	0.187
		PM	9/15/2020++		7.4	A	7.9	A	9.5	A	1.6	0.133
4	Ginger Lane & Clove Drive	AM	9/15/2020++	AWSC	7.6	A	7.9	A	10.4	B	2.5	0.245
		PM	9/15/2020++		7.1	A	7.5	A	9.0	A	1.5	0.249
5	Bascom Avenue & Moorpark Avenue	AM	11/7/2017+	Signal	39.0	D	39.7	D	39.8	D	0.1	0.002
		PM	12/11/2018		**63.7**	**E**	**66.4**	**E**	**67.3**	**E**	**1.6**	**0.003**
6	Bascom Avenue & Fruitdale Avenue/ Enborg Lane	AM	5/7/2015+	Signal	45.5	D	45.5	D	45.6	D	0.0	0.000
		PM	12/13/2018		45.7	D	45.6	D	45.7	D	0.1	0.001

Note:
AWSC = All-Way Stop Control
* Delays based on average delay for signalized intersections and AWSC intersections.
+ A growth factor of 1% was applied per year from previous existing count date to estimate new count data.
++ Counts adjusted using factor developed between 2018 and 2020 counts at the intersection of Bascom Avenue and San Carlos Avenue
Bold indicates a substandard level of service.

1. Introduction

This report presents the results of the transportation analysis conducted for the proposed Santa Clara Valley Medical Center Expansion. The project site is actually a Santa Clara County pocket, but it is surrounded by San Jose (see Figure 1). The County has the approval authority for the project and is the lead agency for the environmental review. However, since any project transportation impacts would occur in San Jose, the project was evaluated following the standards and methodologies established in the City of San Jose's Transportation Analysis Handbook, adopted in April 2018.

The project site is located within the South Bascom Urban Village boundary. The project proposes to demolish the parking garage located on the north-east corner of Ginger Lane and Middle Drive and build a new Behavioral Health Sciences Center (BHSC). The new BHSC will replace and consolidate existing services on the Santa Clara Valley Medical Center campus that are currently located in three separate buildings into one facility and will also add 27 beds to their services for a total of 77 beds. The newly expanded services will serve the behavioral health needs for the County of Santa Clara and the surrounding communities (see Figure 2A). A new parking garage will be built on the north-west corner of Ginger Lane and Clove Drive with the primary driveway entrance located on Clove Drive. A secondary driveway providing access to Level 1 of the parking garage for electric vehicles and ADA parking will be located on Ginger Lane (see Figure 2B). The existing building on the site, which is vacant, will be demolished. A surface parking lot will also be developed on the site of the Don Lowe Pavilion, which will be demolished, at the north-west corner of Bradley Avenue and Enborg Lane. It will be developed as surplus parking. It would redistribute traffic from other areas of the campus and is not expected to result in an overall increase in traffic.

Based on the City of San Jose's Transportation Analysis Policy (Policy 5-1) and the Transportation Analysis Handbook, the Transportation Analysis report for the project includes a California Environmental Quality Act (CEQA) transportation analysis and a Local Transportation Analysis (LTA). Since the project would generate fewer than 100 new peak-hour vehicle trips, the transportation study will not be required to follow the guidelines set forth by the Congestion Management Program (CMP) of the Santa Clara Valley Transportation Authority (VTA).

Transportation Policies

To align the City of San Jose's transportation analysis guidelines with the State of California Senate Bill 743 (SB 743) and the City's goals as set forth in the Envision San Jose 2040 General Plan, the City of San Jose adopted Transportation Analysis Policy 5-1. The policy establishes the thresholds for transportation impacts under the California Environmental Quality Act (CEQA) based on vehicle miles traveled (VMT) instead of intersection level of service (LOS).

The Transportation Analysis Policy aligns with the Envision San Jose 2040 General Plan which seeks to focus new development growth within Planned Growth Areas, bringing together office, residential, and service land uses to internalize trips and reduce VMT. VMT-based policies support dense, mixed-use, infill projects as established in the General Plan's Planned Growth Areas. The Envision San Jose 2040 General Plan contains the following policies to encourage the use of non-automobile transportation modes to minimize vehicle trip generation and reduce VMT:

- Accommodate and encourage the use of non-automobile transportation modes to achieve San Jose's mobility goals and reduce vehicle trip generation and VMT (TR-1.1);
- Consider impacts on overall mobility and all travel modes when evaluating transportation impacts of new developments or infrastructure projects (TR-1.2);
- Increase substantially the proportion of commute travel using modes other than the single-occupant vehicle in order to meet the City's mode split targets for San Jose residents and workers (TR-1.3);
- Through the entitlement process for new development, projects shall be required to fund or construct needed transportation improvements for all transportation modes, giving first consideration to improvement of bicycling, walking and transit facilities and services that encourage reduced vehicle travel demand (TR-1.4);
- Actively coordinate with regional transportation, land use planning, and transit agencies to develop a transportation network with complementary land uses that encourage travel by bicycling, walking and transit, and ensure that regional greenhouse gas emissions standards are met (TR-1.8);
- Coordinate the planning and implementation of citywide bicycle and pedestrian facilities and supporting infrastructure. Give priority to bicycle and pedestrian safety and access improvements at street crossings and near areas with higher pedestrian concentrations (school, transit, shopping, hospital, and mixed-use areas) (TR-2.1);
- Provide a continuous pedestrian and bicycle system to enhance connectivity throughout the City by completing missing segments. Eliminate or minimize physical obstacles and barriers that impede pedestrian and bicycle movement on City streets. Include consideration of grade-separated crossings at railroad tracks and freeways. Provide safe bicycle and pedestrian connections to all facilities regularly accessed by the public, including the Mineta San Jose International Airport (TR-2.2);
- Integrate the financing, design and construction of pedestrian and bicycle facilities with street projects. Build pedestrian and bicycle improvements at the same time as improvements for vehicular circulation (TR-2.5);
- Require new development where feasible to provide on-site facilities such as bicycle storage and showers, provide connections to existing and planned facilities, dedicate land to expand existing facilities or provide new facilities such as sidewalks and/or bicycle lanes/paths, or share in the cost of improvements (TR-2.8);
- As part of the development review process, require that new development along existing and planned transit facilities consist of land use and development types and intensities that contribute towards transit ridership, and require that new development is designed to accommodate and provide direct access to transit facilities (TR-3.3);

- Support the development of amenities and land use and development types and intensities that increase daily ridership on the VTA, BART, Caltrain, ACE and Amtrak California systems and provide positive fiscal, economic, and environmental benefits to the community (TR-4.1);
- Promote transit-oriented development with reduced parking requirements and promote amenities around appropriate transit hubs and stations to facilitate the use of available transit services (TR-8.1);
- Support using parking supply limitations and pricing as strategies to encourage the use of non-automobile modes (TR-8.3);
- Discourage, as part of the entitlement process, the provision of parking spaces significantly above the number of spaces required by code for a given use (TR-8.4);
- Allow reduced parking requirements for mixed-use developments and for developments providing shared parking or a comprehensive transportation demand management (TDM) program, or developments located near major transit hubs or within Urban Villages and other Growth Areas (TR-8.6);
- Within new development, create and maintain a pedestrian-friendly environment by connecting the internal components with safe, convenient, accessible, and pleasant pedestrian facilities and by requiring pedestrian connections between building entrances, other site features, and adjacent public streets (CD-3.3);
- Create a pedestrian-friendly environment by connecting new residential development with safe, convenient, accessible, and pleasant pedestrian facilities. Provide such connections between new development, its adjoining neighborhood, transit access points, schools, parks, and nearby commercial areas (LU-9.1);
- Facilitate the development of housing close to jobs to provide residents with the opportunity to live and work in the same community (LU-10.5);

The proposed project is located within the South Bascom Commercial Corridor and Center Urban Village. As part of the Envision San Jose 2040 General Plan, the City has identified historically underutilized locations within San Jose that will be developed as “Urban Villages.” These urban villages will promote the development of active, walkable, bicycle friendly, transit-oriented, mixed-use urban settings for new housing and job growth. The General Plan provides a policy framework to direct new housing and employment projects into these urban villages. Because the project would provide employment and medical services within the South Bascom Commercial Corridor and Center Urban Village, the project is consistent with the goals and policies set forth in the General Plan.

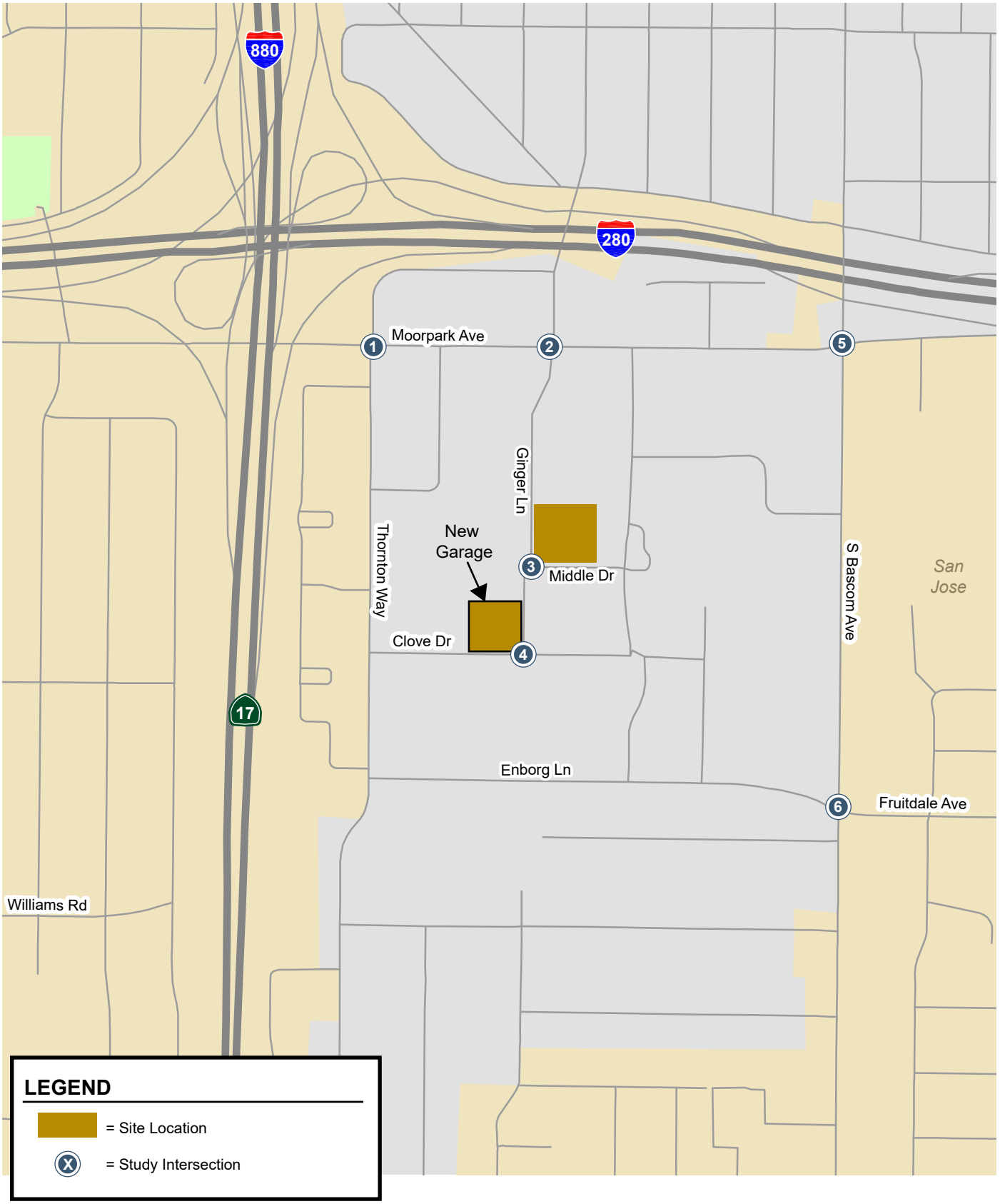


Figure 1
Site Location and Study Intersections

Figure 2A
Behavioral Health Sciences Center

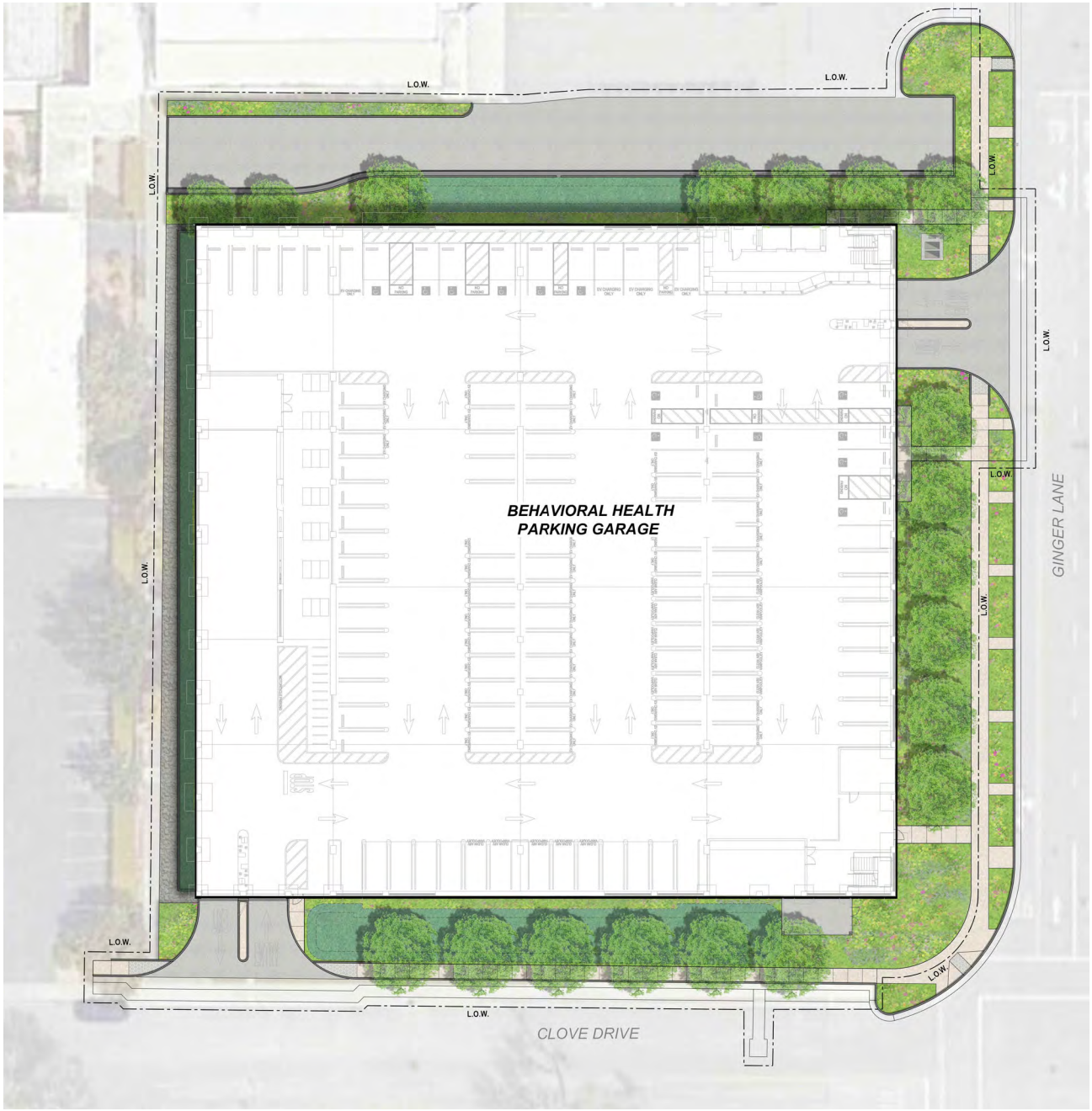


Figure 2B
New Garage

HEXAGON

NORTH
Not to Scale

CEQA Transportation Analysis Scope

The CEQA Transportation Analysis includes an evaluation of VMT.

VMT Analysis

The City of San Jose's Transportation Analysis Policy establishes procedures for determining project impacts on VMT based on project description, characteristics, and/or location. The City of San Jose defines VMT as the total miles of travel by personal motorized vehicles a project is expected to generate in a day. VMT is calculated for residential, office, and industrial projects using the Origin-Destination VMT method, which measures the full distance of personal motorized vehicle-trips with one end within the project.

A project's VMT is compared to the appropriate thresholds of significance based on the project location and type of development. When assessing a residential project, the project's VMT is divided by the number of residents expected to occupy the project to determine the VMT per capita. When assessing an office or industrial project, the project's VMT is divided by the number of employees. When assessing a retail, hotel, or school project, the project's total VMT, as opposed to a per-capita or per-employee VMT metric, is measured. The City's VMT Policy does not address hospitals. However, for the purposes of VMT, hospitals can be treated like retail development in that patients tend to utilize the closest hospital. The total VMT for the region with and without the project is calculated. The difference between the two scenarios is the net change in total VMT that is attributable to the project.

Local Transportation Analysis Scope

A local transportation analysis (LTA) identifies transportation operational issues that may arise due to a development project, evaluates the effects of the project on transportation, access, circulation, and related safety elements in the proximate area of the project, and supplements the VMT analysis.

As part of the LTA, a project is required to conduct an intersection operations analysis for any signalized intersections within a half mile of the project and at any signalized intersections currently operating at LOS D or worse within one mile of the project. However, since the project is not expected to add a measurable number of vehicle-trips to intersections beyond the immediate vicinity of the project site, the AM and PM peak-hour traffic operations conditions were evaluated for four signalized intersections listed below. Two unsignalized intersections, which provide project access, were also analyzed as part of this study.

- Thornton Way and Moorpark Avenue (signalized)
- Ginger Lane and Moorpark Avenue (signalized)
- Ginger Lane and Middle Drive (unsignalized)
- Ginger Lane and Clove Drive (unsignalized)
- Bascom Avenue and Moorpark Avenue (signalized) (CMP)
- Bascom Avenue and Fruitdale Avenue/Enborg Lane (signalized) (CMP)

Traffic conditions at the study intersections were analyzed for both the weekday AM and PM peak hours of adjacent street traffic. The AM peak hour is expected to occur between 7:00 AM and 9:00 AM and the PM peak hour is expected to occur between 4:00 PM and 6:00 PM on a regular weekday. These are the peak commute hours during which most traffic congestion occurs on the roadways.

Intersection operations conditions were evaluated for the following scenarios:

- ***Existing Conditions.*** Existing traffic volumes at the study intersections were obtained from traffic counts. Due to Covid-19 and regional shelter-in-place orders, new traffic counts do not represent typical traffic conditions. Therefore, a growth rate of 1% per year was applied to the traffic counts that were more than two years old to estimate the traffic volumes for existing conditions. For intersections where historic counts were not available, new counts were collected and adjusted to represent existing conditions using a factor dervived from 2018 counts and September 2020 counts at an intersection close to the project site. The study intersections were evaluated with a level of service analysis using Traffix software in accordance with the 2000 Highway Capacity Manual methodology.

- ***Background Conditions.*** Background traffic volumes reflect traffic added by nearby approved projects that are not yet completed or occupied. The added traffic from approved but not yet completed developments was provided by the City of San Jose.
- ***Background Plus Project Conditions.*** Background plus project conditions reflect projected traffic volumes on the planned roadway network with completion of the project and approved developments. Background plus project traffic volumes were estimated by adding to background traffic volumes the additional traffic generated by the project.

The LTA also includes a vehicle queuing analysis, an evaluation of potential project adverse effects on bicycle, pedestrian, and transit facilities, and a review of site access, on-site circulation, and parking demand.

Intersection Operations Analysis Methodology

This section presents the methods used to determine the traffic operations conditions at the study intersections and the impacts of the project on intersection operations. It includes descriptions of the data requirements, the analysis methodologies, and the applicable level of service standards for identifying deficiencies.

Data Requirements

The data required for the analysis were obtained from the City of San Jose. The following data were collected from these sources:

- existing traffic volumes
- approved project trips
- existing lane configurations
- signal timing and phasing

Level of Service Standards and Analysis Methodologies

Traffic conditions at the study intersections were evaluated using level of service (LOS). *Level of Service* is a qualitative description of operating conditions ranging from LOS A, or free-flow conditions with little or no delay, to LOS F, or jammed conditions with excessive delays. As described in the earlier section, the study will be reviewed by Santa Clara County. However, the study intersections are analyzed using the City of San Jose methodology and thresholds since the project site is surrounded by the City of San Jose. The various analysis methods are described below.

Signalized Intersections

The City of San Jose level of service methodology for signalized intersections is the 2000 *Highway Capacity Manual* (HCM) method. This method is applied using the TRAFFIX software. The 2000 HCM

operations method evaluates signalized intersection operations on the basis of average control delay time for all vehicles at the intersection. The City of San Jose level of service standard for signalized intersections is LOS D or better. Bascom Avenue and Moorpark Avenue and Bascom Avenue and Fruitdale Avenue/Enborg Lane are CMP intersections and have a level of service standard of LOS D. The correlation between average control delay and level of service is shown in Table 2.

Table 1
Signalized Intersection of Level of Service Definitions Based on Control Delay

Level of Service	Description	Average Control Delay Per Vehicle (sec.)
A	Signal progression is extremely favorable. Most vehicles arrive during the green phase and do not stop at all. Short cycle lengths may also contribute to the very low vehicle delay.	10.0 or less
B+ B B-	Operations characterized by good signal progression and/or short cycle lengths. More vehicles stop than with LOS A, causing higher levels of average vehicle delay.	10.1 to 12.0 12.1 to 18.0 18.1 to 20.0
C+ C C-	Higher delays may result from fair signal progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant, though many still pass through the	20.1 to 23.0 23.1 to 32.0 32.1 to 35.0
D+ D D-	The influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable signal progression, long cycle lengths, or high volume-to-capacity (V/C) ratios. Many vehicles stop and	35.1 to 39.0 39.1 to 51.0 51.1 to 55.0
E+ E E-	This is considered to be the limit of acceptable delay. These high delay values generally indicate poor signal progression, long cycle lengths, and high volume-to-capacity (V/C) ratios. Individual cycle failures occur frequently.	55.1 to 60.0 60.1 to 75.0 75.1 to 80.0
F	This level of delay is considered unacceptable by most drivers. This condition often occurs with oversaturation, that is, when arrival flow rates exceed the capacity of the intersection. Poor progression and long cycle lengths may also be major-contributing causes of such delay levels.	greater than 80.0

Source: Transportation Research Board, *Highway Capacity Manual 2000* (Washington, D.C., 2000) p10-16.

Unsignalized Intersections

Two of the study intersections are unsignalized. The need for signalization of unsignalized intersections is assessed based on the Peak Hour Volume Warrant (Warrant 3) described in the Manual on Uniform Traffic Control Devices (MUTCD 2010 Edition, Part 4). This method makes no evaluation of intersection level of service, but simply provides an indication whether vehicular peak hour traffic volumes are, or are subject to further analysis before determining that a traffic signal is necessary. Additional analysis may include unsignalized level of service analysis and/or operation analysis such as evaluating vehicle queuing and delay. Other types of traffic control devices, signage, or geometric changes may be preferable based on existing field conditions and intersection spacing.

Intersection Vehicle Queuing Analysis

For selected high-demand movements at the study intersections, the estimated maximum vehicle queues were compared to the existing or planned storage capacity. The queuing analysis is presented for informational purposes only, since the City of San Jose has not defined a policy related to queuing.

Vehicle queues were calculated using a Poisson probability distribution, which estimates the probability of "n" vehicles for a vehicle movement using the following formula:

$$P(x = n) = \frac{\lambda^n e^{-(\lambda)}}{n!}$$

Where:

P (x = n) = probability of "n" vehicles in queue per lane
n = number of vehicles in the queue per lane
λ = average # of vehicles in the queue per lane (vehicles per hr. per lane/signal cycles per hr.)

The basis of the analysis is as follows: (1) the Poisson probability distribution is used to estimate the 95th percentile maximum number of queued vehicles per signal cycle for a particular movement; (2) the estimated maximum number of vehicles in the queue is translated into a queue length, assuming 25 feet per vehicle; and (3) the estimated maximum queue length is compared to the existing or planned available storage capacity for the movement.

For signalized intersections, the 95th percentile queue length value indicates that during the peak hour, a queue of this length or less would occur on 95 percent of the signal cycles. Or, a queue length larger than the 95th percentile queue would only occur on 5 percent of the signal cycles (about 3 cycles during the peak hour for a signal with a 60-second cycle length). Therefore, left-turn pocket storage designs based on the 95th percentile queue length would ensure that storage space would be exceeded only 5 percent of the time for a signalized movement.

Adverse Intersection Operations Effects

The criteria used to determine intersection operations effects on signalized intersections are based on City of San Jose Level of Service standards.

The project is said to create an adverse effect at a signalized intersection in the City of San Jose if for either peak hour:

1. The level of service at the intersection degrades from an acceptable LOS D or better under background conditions to an unacceptable LOS E or F under background plus project conditions, or
2. The level of service at the intersection is an unacceptable LOS E or F under background conditions and the addition of project trips cause both the critical-movement delay at the intersection to increase by four (4) or more seconds and the volume-to-capacity ratio (V/C) to increase by one percent (.01) or more.

An exception to rule #2 above applies when the addition of project trips reduces the amount of average delay for critical movements (i.e., the change in average delay for critical movements is negative). In this case, a deficiency is identified if there is an increase in the critical V/C value by .01 or more.

Adverse effects at signalized intersections can be addressed by one of the following approaches:

- Construct improvements to the subject intersection or other roadway segments of the citywide transportation system to increase overall capacity, or
- Reduce project-generated vehicle trips (e.g., implement a "trip cap") to eliminate the adverse operational effects and restore intersection operations to background conditions. The extent of trip reduction should be set at a level that is realistically attainable through proven methods of reducing trips.

Report Organization

This report has a total of five chapters. Chapter 2 describes the VMT analysis. Chapter 3 describes the existing roadway network, transit service, bicycle, and pedestrian facilities. Chapter 4 describes the local transportation analysis including the method by which project traffic is estimated, intersection operations analysis for background plus project conditions, any adverse intersection traffic effects caused by the project, intersection vehicle queuing analysis, site access and on-site circulation review, effects on bicycle, pedestrian, and transit facilities, and parking. Chapter 5 presents the conclusions of the transportation analysis.

2. CEQA Transportation Analysis

This chapter describes the CEQA transportation analysis, including the project VMT analysis, and cumulative transportation analysis.

Project Level VMT Analysis

The impact on VMT by the SCVMC proposed hospital expansion was conducted using the City of San Jose's Travel Demand Forecasting (TDF) model. As described in Chapter 1, for the purposes of VMT, hospitals can be treated like retail development in that patients tend to utilize the closest hospital. The total VMT for the region with and without the project is calculated. The difference between the two scenarios is the net change in total VMT that is attributable to the project.

In order to estimate the impact on VMT with the model, the project's net increase of 27 beds were converted to retail jobs based on the Institute of Transportation Engineers' (ITE) Trip Generation Manual, 10th Edition (2017) for "Hospital" (Land Use 610) located in a general Urban/Suburban area. ITE defines a hospital as any institution where medical or surgical care and overnight accommodations are provided to non-ambulatory and ambulatory patients. The trip generation for a hospital can be quantified based on the number of beds it provides and includes employee and outpatient trips.

The average ITE trip generation rate for a hospital bed is 22.32 trips per day. The average ITE trip generation rate for a hospital employee is 3.79 trips per day. Therefore, 159 hospital jobs would be added by adding 27 hospital beds (22.32 / 3.79 x 27 = 159 jobs).

The SCVMC proposed hospital expansion would not cause an increase in trips but rather result in a change in trip making. When the project is constructed, patients, medical personnel and visitors would come to the project's expanded hospital instead of going to other behavioral centers spread throughout the City. Other nearby hospitals with behavioral centers include the following (see Figure 3):

- Juvo Autism + Behavioral Health located at 1045 Willow Street in San Jose
- Momentum For Mental Health located at 2001 The Alameda in San Jose
- ACT for Mental Health located at 441 Park Avenue in San Jose
- Verdant Behavioral Health located at 125 E Campbell Ave 201 in Campbell

For the purpose of this analysis, it is assumed that some employees, patients, and visitors would no longer utilize these four facilities but would instead go to the expanded behavioral center at SCVMC. Therefore, 159 jobs were removed from the travel analysis zones (TAZs) of the four identified existing

hospitals. These job changes were made in the 2015 land use file and the model was run, with and without the project. Daily VMT for work and patient trips, with and without the project, were calculated for the affected TAZs.

The model results show that the job changes due to the proposed project would cause the areawide daily VMT for workers to increase slightly by 28, and the areawide daily VMT for patients would decrease by 1,741 for a total reduction of 1,713 daily VMT (see Table 2).

Table 2
Daily VMT Analysis

Trip Type	No Project VMT	Project VMT	Difference
Home Based Work	52,944	52,972	28
Home Based Other	31,616	29,875	-1,741
Total VMT	**84,560**	**82,847**	**-1,713**

The reason for the decrease in areawide VMT for patient trips is two-fold. Because of its location, the project area is (1) more conducive to transit use and non-motorized travel and (2) the average trip length of patient trips is shorter compared to the average trip length of the four other hospital sites combined. In other words, people visiting the proposed hospital expansion live closer compared to the other hospital sites. The average reduction in daily VMT would be about 63.4 miles per bed.

Figure 3
Map of Nearby Behavioral Health Clinics

Cumulative VMT Impact Analysis

Projects must demonstrate consistency with the *Envision San Jose 2040 General Plan* to address cumulative impacts. Consistency with the City's General Plan is based on the project's density, design, and conformance to the General Plan goals and policies. If a project is determined to be inconsistent with the General Plan, a cumulative impact analysis is required as part of the City's *Transportation Analysis Handbook*.

The project is consistent with the General Plan goals and policies for the following reasons:

- The project would slightly increase the employment density in the project area, and the proposed density would be consistent with the General Plan Land Use Designation.
- The project would provide improvements in pedestrian connectivity in the vicinity of the project site.

Therefore, based on the project description, the proposed project would be consistent with *Envision San Jose 2040 General Plan*. The project would be considered as part of the cumulative solution to meet the General Plan's long-range transportation goals and would result in a less-than-significant cumulative impact.

3. Existing Conditions

This chapter describes the existing conditions for transportation facilities in the vicinity of the site, including the roadway network, transit service, pedestrian and bicycle facilities, and the existing levels of service of the key intersections in the study area.

Existing Roadway Network

Regional access to the project site is provided via California State Route 17 (SR 17), Interstate 280 (I-280), and Interstate 880 (I-880). Local access to the project site is provided via Bascom Avenue, Moorpark Avenue, Fruitdale Avenue, Thornton Way, Ginger Lane, Enborg Lane, Turner Drive, Middle Drive, and Clove Drive.

SR 17 is a six-lane freeway in the vicinity of the site. SR 17 extends northward to the I-280 and I-880 interchange in San Jose and southward to State Route 1 in Santa Cruz. North of the I-280 and I-880 interchange, SR 17 transitions to I-880. Access to and from the site is provided via the I-880 and I-280 interchange, and an interchange at Hamilton Avenue.

I-280 is an eight-lane freeway in the vicinity of the site. I-280 extends northward through San Francisco and southward to US 101 in San Jose. East of US 101, it makes a transition into I-680 to Oakland. Access to and from the site is provided via the I-880 and SR 17 interchange, and interchanges at Moorpark Avenue and Parkmoor Avenue.

I-880 is a six-lane freeway in the vicinity of the site. I-880 extends northward through Oakland and southward to SR 17 and I-280 interchange. South of the SR 17 and I-280 interchange, I-880 transitions to SR 17. Access to and from the site is provided via the SR 17 and I-280 interchange, and interchanges at Stevens Creek Boulevard and Washington Street.

Bascom Avenue is a six-lane arterial that runs in the north-south direction in the vicinity of the site. The street has left-turn pockets provided at intersections, center medians, and parking allowed on both sides. Bascom Avenue extends northward to Newhall Street where it transitions to Washington Street and extends southward to Samaritan Drive where it transitions to Los Gatos Boulevard. Bascom Avenue includes sidewalks on both sides of the street and has a posted speed limit of 35 mph near the project site. Bascom Avenue provides access to the project site via its intersection with Moorpark Avenue, Renova Drive, and Fruitvale Avenue.

Moorpark Avenue is an east-west arterial that runs north of the site. It is a two-way four-lane street west of Bascom Avenue and a one-way three lane street east of Bascom Avenue. Moorpark Avenue

has continuous sidewalks along the south side of the street and gaps in sidewalks along the north side of the street near the site. West of Bascom Avenue, Moorpark Avenue has left-turn pockets provided at intersections, parking allowed along the north side, and a posted speed limit of 35mph. Bicycle lanes are present west of Thornton Way. Moorpark Avenue provides access to the project site via its intersection with Ginger Lane.

Fruitdale Avenue is an east-west arterial that transitions to Enborg Lane south of the site. It is a four-lane street east of Bascom Avenue, which continues as Enborg Lane west of Bascom Avenue. East of Bascom Avenue, Fruitdale Avenue has left-turn pockets provided at intersections, continuous sidewalks and parking allowed along both sides of the street, and a posted speed limit of 35mph. Fruitdale Avenue provides access to the project site via Enborg Lane.

Enborg Lane is a two-lane east-west street in the vicinity of the project site. Enborg Lane extends eastward to Fruitdale Avenue and westward to Thornton Way. The street has continuous sidewalks, parking on both sides of the street, and a designated speed limit of 25 mph. A portion of Enborg Lane also has diagonal parking, and there are three high visibility crosswalks along the street. Enborg Lane provides access to the project site via its intersection with Ginger Lane.

Thornton Way is a two-lane north-south street in the vicinity of the project site. Thornton Way extends southward to Downing Avenue and northward to Moorpark Avenue where it transitions to Pfeffer Lane. The street is a designated bike route, has continuous sidewalks and parking allowed on both sides, and has a designated speed limit of 25mph. The street provides access to the project site via its intersections with Moorpark Avenue and Clove Drive.

Ginger Lane is a two-lane north-south street immediately west of the project site. Ginger Lane extends northward to Moorpark Avenue and southward to Enborg Lane. Near the project site Ginger Lane has a center turn lane and a designated speed limit of 25mph. North of Middle Drive, Ginger Lane has continuous sidewalks on the eastern side of the street and south of Middle Drive, Ginger Lane has continuous sidewalks on the western side of the street. Ginger Lane provides direct access to the project site.

Turner Drive is a north-south street immediately east of the project site. Turner Lane extends northward to Moorpark Avenue and southward to Clove Drive, after which is transitions to Bradley Avenue. Between Moorpark Avenue and south of Renova Drive, Turner Lane is a two-way street after which it converts to a one-way southbound street. The street has continuous sidewalks with diagonal parking along the eastern edge south of Renova Drive. Turner Drive provides direct access to the project site via its intersection with Middle Drive.

Middle Drive is a two-lane east-west street immediately south of the project site. It connects Ginger Lane and Turner Drive. A continuous sidewalk is present along the north side of the street. It provides direct access to the project site.

Clove Drive is a two-lane east-west street in the vicinity of the project site. Clove Drive extends westward to Thornton Way and eastward to Enborg Court. Continuous sidewalks and parking are present along both sides of the street. Portions of the north side of the street have diagonal parking. Clove Drive provides access to the project site via its intersection with Ginger Lane and provides vehicular access to the new parking garage.

Existing Pedestrian and Bicycle Facilities

Existing Pedestrian and Bicycle Facilities

A complete network of sidewalks is present along the streets in the vicinity of the project site. Marked crosswalks with pedestrian signal heads and push buttons are located at all signalized intersections.

Marked crosswalks are also present at all unsignalized intersections in the vicinity of the project site. There are three high visibility crosswalks present on Enborg Lane. Overall, the existing network of sidewalks and crosswalks has good connectivity and provides pedestrians with safe routes to the project site and transit stops.

The bicycle facilities that exist within one mile of the project site (see Figure 4) include bike lanes (Class II bikeway) and bike routes (Class III bikeway). Bike lanes are lanes designated for use by bicycles with special lane marking, pavement legends, and signage. Bike routes are streets shared by bikes and motor vehicles.

Class II bike lanes exist on the following roadways:

- Stevens Creek Boulevard between South Monroe Street and McArthur Avenue
- Monroe Street between Moorpark Avenue and Newhall Street
- Forest Avenue between North Winchester Boulevard and Monroe Street and Ciro Avenue and Clarmar Way
- Moorpark Avenue between Lawrence Expressway and Thornton Way
- Williams Road between Lawrence Expressway and South Monroe Street
- South Bascom Avenue between Fruitdale Avenue and East Hamilton Avenue
- Leigh Avenue between Moorpark Avenue and Fruitdale Avenue
- Winchester Boulevard between Williams Road and East Hamilton Avenue
- Southwest Expressway between Bascom Avenue and Fruitdale Avenue
- Parkmoor Avenue between Leigh Avenue and Lincoln Avenue

Class III bike routes exist on the following roadways:

- Bellerose Drive between Stevens Creek Boulevard and Forest Avenue
- Forest Avenue between Monroe Street and Ciro Avenue
- MacArthur Avenue between Stevens Creek Boulevard and Pfeffer Lane
- Scott Street between Patch Avenue and South Willard Avenue
- Pfeffer Lane between MacArthur Avenue and Moorpark Avenue
- Thornton Way between Moorpark Avenue and Downing Avenue
- South Monroe Street between Moorpark Avenue and Williams Road
- Williams Road between Monroe Street and South Daniel Way
- South Daniel Way between Williams Road and Downing Avenue
- Downing Avenue between South Daniel Way and Bascom Avenue
- Spruance Street between Downing Avenue and Stokes Street
- Stokes Street between Spruance Street and St. Elizabeth Drive

San Jose is currently in the process of updating its bike plan in the *San Jose Better Bike Plan 2025*.

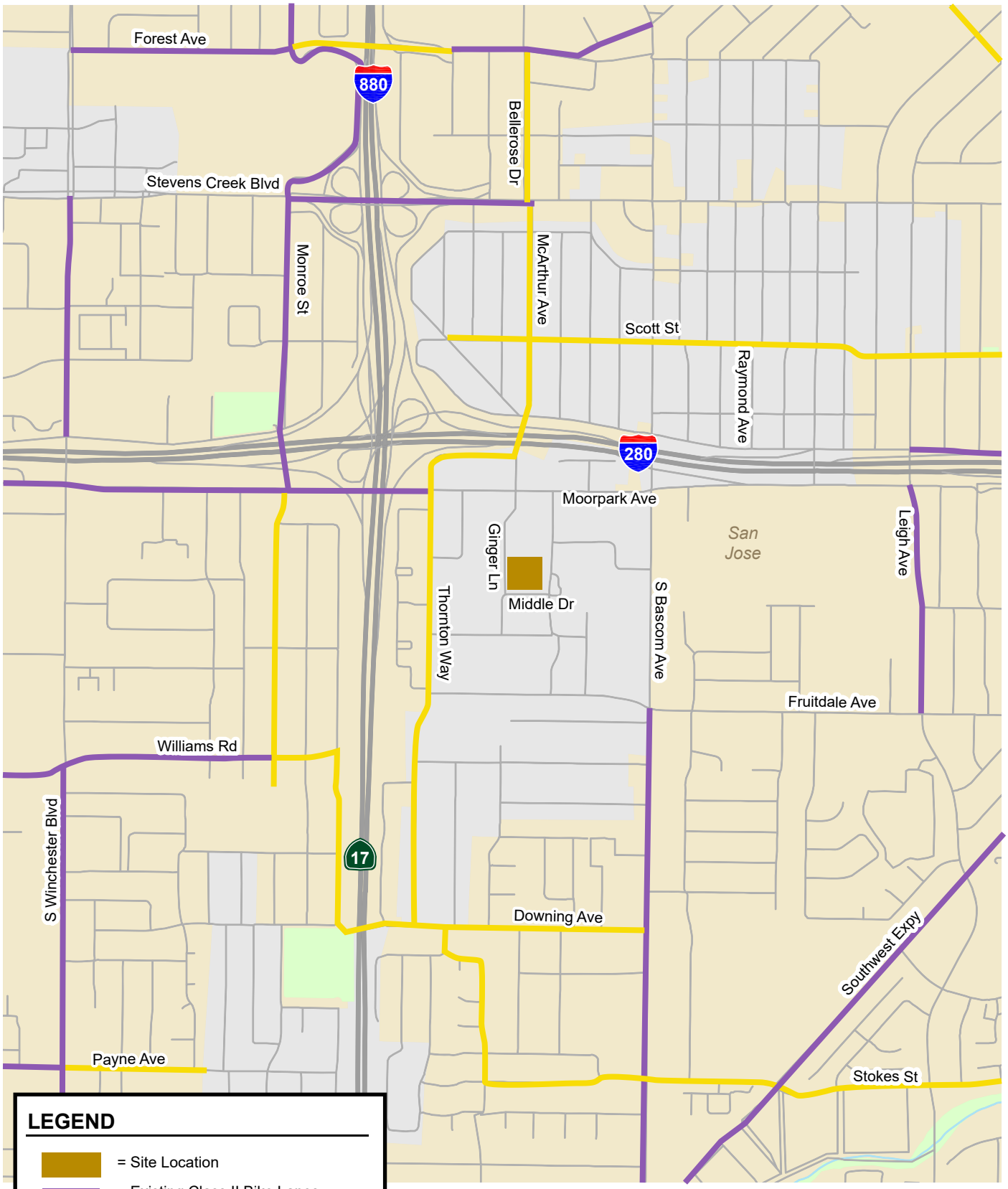


Figure 4
Existing Bicycle Facilities

NORTH
Not to Scale

Existing Transit Services

Existing transit service to the study area is provided by the Valley Transportation Authority (VTA) (see Figure 5 and Table 3). Two local VTA bus routes (Routes 25 and 61) have bus stops within 0.25 miles of the project area. The bus stop closest to the project site is located on Ginger Lane at Middle Drive along the project frontage and is served by VTA bus route 25. Transit service near the project site is temporarily reduced due to COVID-19 and shelter-in-place.

Table 3
Existing Transit Service

Bus Route	Route Description	Closest Stop and Distance to Project Site	Weekday Hours of Operation[1]	Headway (minutes)[1]
Local Route 25	De Anza College - Alum Rock Station via Valley Med	Ginger & Middle; 0 ft	5:27 AM - 11:51 PM	15 mins
Local Route 61	Sierra & Piedmont - Good Samaritan Hospital	Bascom & Renoca; 880 ft	5:23 AM - 10:47 PM	20 mins

1. Approximate weekday operation hours and headways during peak commute periods in the project area, as of September 2020.

Figure 5
Existing Transit Service

Existing Intersection Lane Configurations

One travel lane along Ginger Lane north of Middle Drive to Clove Drive and the south leg of Ginger Lane at the intersection of Ginger Lane and Clove Drive are temporarily closed off due to construction. The existing conditions analysis at the study intersections assume the temporary change in geometry at Ginger Lane and Middle Drive and Ginger Lane and Clove Drive. The existing lane configurations at the study intersections are shown on Figure 6.

Existing Traffic Volumes

Due to the COVID-19 pandemic, current traffic counts may not accurately reflect traffic conditions at the completion of the project. Existing traffic volume at the study intersections was estimated using the following procedures:

- **Historical Traffic Counts**. Year 2016 AM and PM peak hour traffic volumes were available for the intersection of Thornton Way and Moorpark Avenue in the San Jose 2019 count database. Year 2017 AM peak hour and year 2018 PM peak hour traffic volumes were available for the intersection of Bascom Avenue and Moorpark Avenue and year 2015 AM peak hour and year 2018 PM peak hour traffic volumes were available for the intersection of Bascom Avenue and Fruitdale Avenue/Enborg Lane in the San Jose 2019 count database and the Santa Clara County 2018 CMP databases, respectively. A growth factor of 1% per year was applied through 2020 from the previous count date for counts older than two years to estimate existing conditions.
- **Intersections with No Counts.** The intersections of Ginger Lane and Moorpark Avenue, Ginger Lane and Middle Drive, and Ginger Lane and Clove Drive do not have historical counts available. New traffic counts were collected at these intersections and were adjusted using a factor developed between year 2018 counts and year 2020 counts at the intersection of Bascom Avenue and San Carlos Avenue in the vicinity of the project site. Year 2020 counts at Bascom Avenue and San Carlos Avenue are less than half (47 percent) of the year 2018 counts during the peak hours.
- **Count Balancing.** Traffic counts estimated using the above methodologies were balanced for adjacent intersections, so that the volume leaving one intersection matches the volume approaching the adjacent intersection, subject to adjustments for intervening driveways or cross-streets.

It is important to note that the project site is located in a hospital campus, which is operating at regular hours as an essential service during the pandemic. It is possible that the September 2020 counts conducted for study intersections along Ginger Lane, which are internal to the Santa Clara Valley Medical Center, have traffic conditions similar to before the pandemic and the adjustment factor overestimates the traffic at these intersections. However, due to lack of historical traffic counts as reference for these intersections, this method reflects a conservative approach to the analysis.

Existing traffic volumes at the study intersections are shown in Figure 7. Traffic counts are included in Appendix A and traffic volumes are included in Appendix B.

Existing Intersection Traffic Operations

Intersection levels of service were evaluated against the standards of the City of San Jose. The results of the analysis show that the intersection of Bascom Way and Moorpark Avenue operates unacceptably at LOS E during the PM peak hour. All other signalized study intersections are currently operating at

acceptable levels of service of D or better during the AM and PM peak hours of traffic (see Table 4). The unsignalized intersections do not meet signal warrants under existing conditions.
The intersection levels of service calculation sheets are included in Appendix C and signal warrant sheets are included in Appendix D.

Table 4
Existing Intersection Levels of Service

					Existing Conditions No Project	
#	Intersection	Peak Hour	Count Date	Traffic Control	Avg. Delay (sec)*	LOS
1	Thornton Way & Moorpark Avenue	AM	10/26/2016+	Signal	27.0	C
		PM	10/26/2016+		17.8	B
2	Ginger Lane & Moorpark Avenue	AM	9/15/2020++	Signal	34.7	C
		PM	9/15/2020++		38.9	D
3	Ginger Lane & Middle Drive	AM	9/15/2020++	AWSC	8.4	A
		PM	9/15/2020++		7.4	A
4	Ginger Lane & Clove Drive	AM	9/15/2020++	AWSC	7.6	A
		PM	9/15/2020++		7.1	A
5	Bascom Avenue & Moorpark Avenue	AM	11/7/2017+	Signal	39.0	D
		PM	12/11/2018		**63.7**	**E**
6	Bascom Avenue & Fruitdale Avenue/ Enborg Lane	AM	5/7/2015+	Signal	45.5	D
		PM	12/13/2018		45.7	D

Note:
AWSC = All-Way Stop Control
* Delays based on average delay for signalized intersections and AWSC intersections.
+ A growth factor of 1% was applied per year from previous existing count date to estimate new count data.
++ Counts adjusted using factor developed between 2018 and 2020 counts at the intersection of Bascom Avenue and San Carlos Avenue
Bold indicates a substandard level of service.

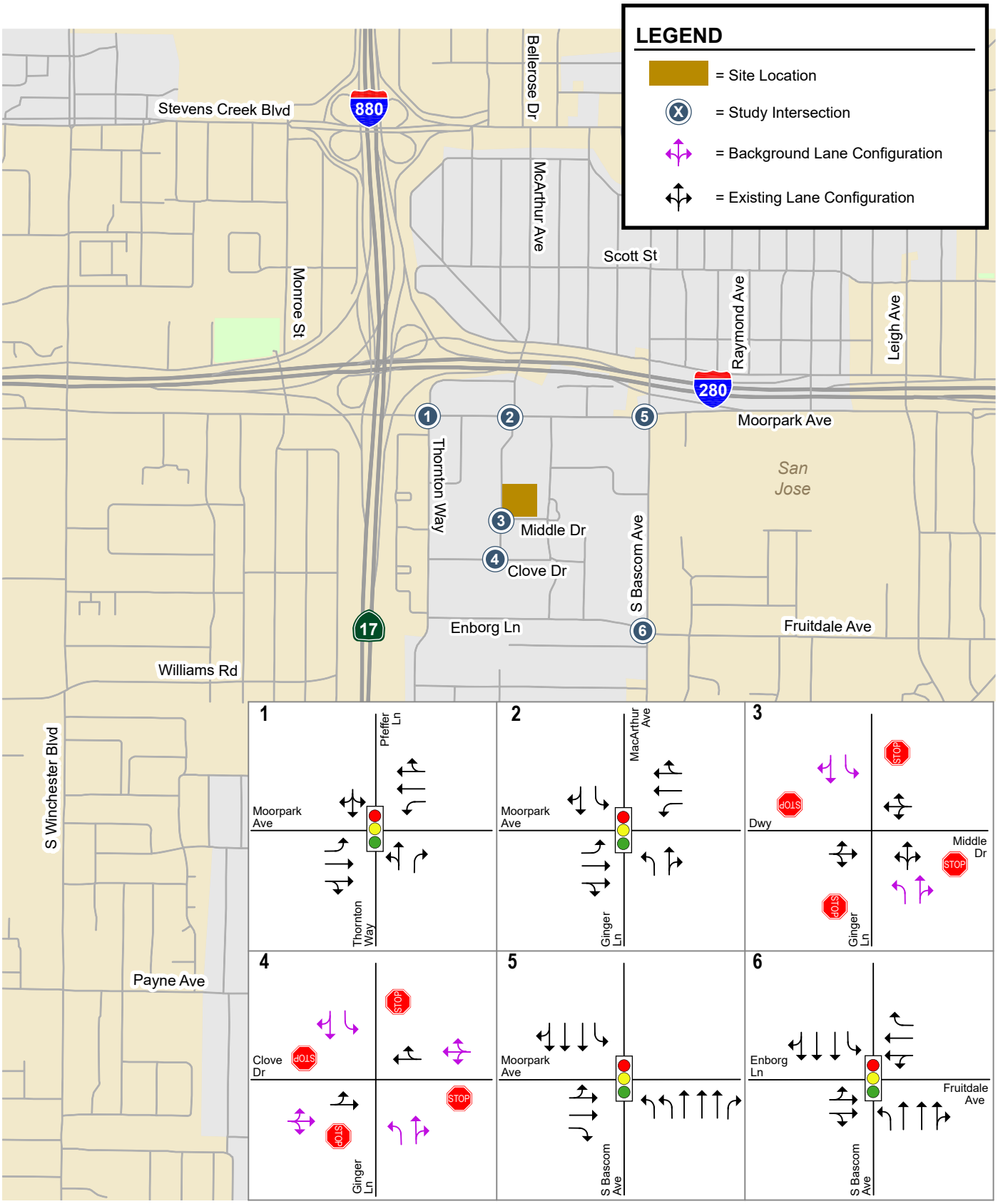


Figure 6
Existing Lane Configurations

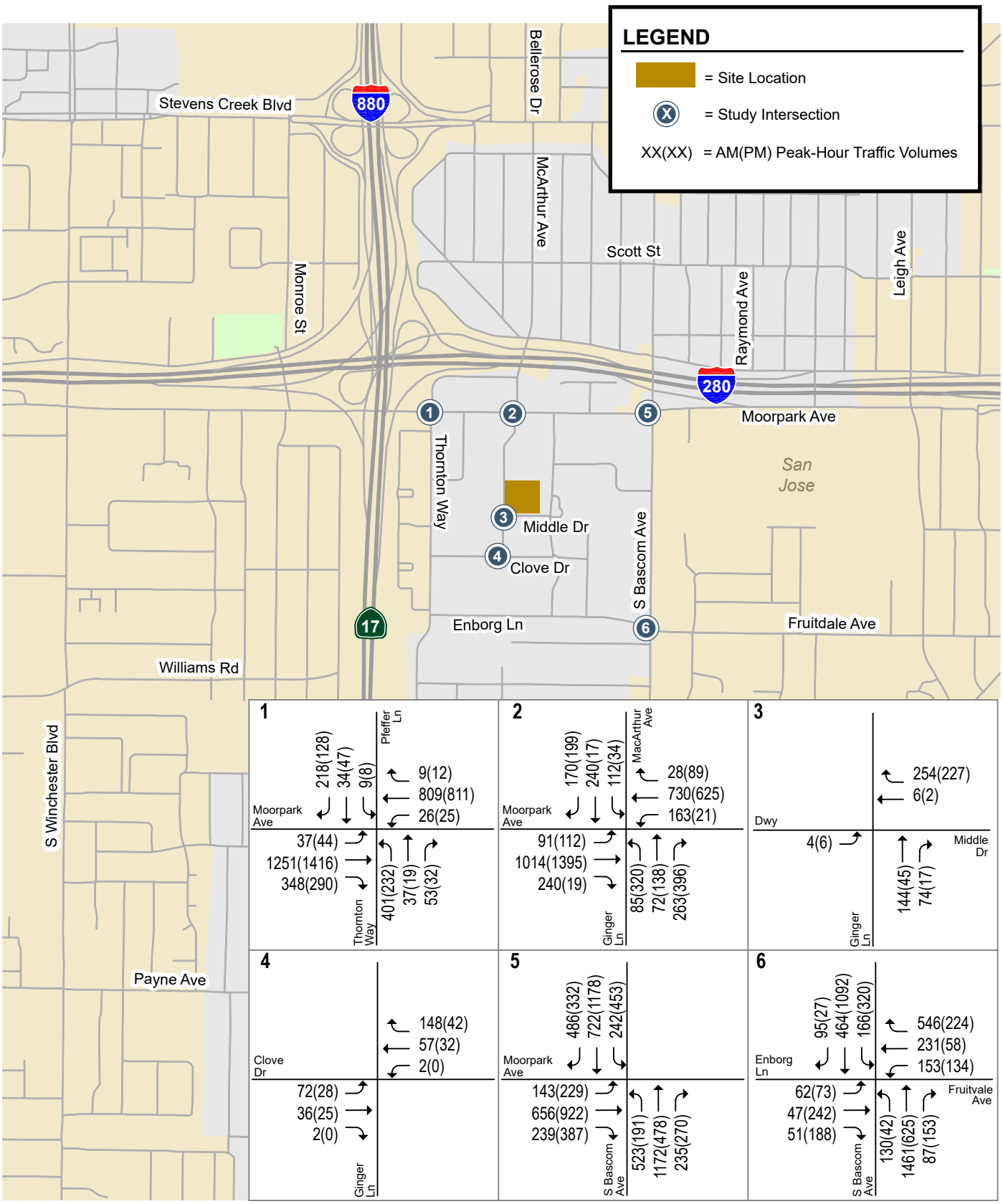


Figure 7
Existing Traffic Volumes

4.
Local Transportation Analysis

This chapter describes the local transportation analysis including the method by which project traffic is estimated, intersection operations analysis for background plus project conditions, any adverse intersection traffic effects caused by the project, intersection vehicle queuing analysis, site access and on-site circulation review, effects on bicycle, pedestrian, and transit facilities.

Intersection Operations Analysis

The San Jose intersection analysis methodology and standards are described in Chapter 1.

Project Trip Estimates

Trip Generation

As described in Chapter 2, vehicle trips generated by the project were estimated using the trip rates published in the ITE for "Hospital" (Land Use 610) located in a general Urban/Suburban area. Table 5 shows that the project would generate 603 new daily vehicle trips, including 50 new trips (36 inbound and 14 outbound) occurring during the AM peak hour and 51 new trips (14 inbound and 37 outbound) occurring during the PM peak hour.

Table 5
Project Trip Generation Estimates

		Daily		AM Peak Hour				PM Peak Hour			
					Trip				Trip		
Land Use	Size	Rate	Trip	Rate	In	Out	Total	Rate	In	Out	Total
Proposed Land Uses											
Hospital	**27** Beds	22.320	603	1.840	36	14	50	1.890	14	37	51

Source: ITE Trip Generation Manual, 10th Edition 2017
Notes:
1. Hospital (Land Use 610), average rates expressed in trips per bed are used.

Trip Distribution and Assignment

The trip distribution pattern for the project was estimated based on existing travel patterns on the surrounding roadway system and the locations of complementary land uses. The peak-hour vehicle trips associated with the project were added to the roadway network in accordance with the trip distribution pattern, the roadway network connections, and the locations of the project driveway. All

project trips are assumed to enter and exit the new garage via a full access driveway on Clove Drive. The proposed new surface parking lot on the Don Lowe Pavilion site would redistribute traffic from other areas of the campus and is not expected to result in an overall increase in traffic. The increase in traffic on Enborg Lane due to this parking lot would be negligible. Trip distribution and trip assignment are shown on Figure 8 and Figure 9, respectively.

Roadway Network under Background and Project Conditions

The roadway network under background conditions and background plus project conditions for the intersection of Ginger Lane and Middle Drive and Ginger Lane and Clove Drive will be modified as part of the West Campus Landscape Project. Drawings for the West Landscape Project are shown in Appendix F. Ginger Lane will be reduced from four lanes to two lanes.

Background roadway geometry would be the same as the existing roadway network for all other study intersections. Approved projects and the proposed project are not expected to alter the roadway network. Figure 6 shows the lane geometry for study intersections under background conditions.

Traffic Volumes under Background Conditions

Due to construction, the southbound travel lane on Ginger Lane starting from north of Middle Drive to Clove Drive and the south leg of Ginger Lane and Clove Drive are temporarily closed. Existing volumes on Ginger Lane represent this temporary closure with all vehicles exiting the parking lots on Ginger Lane travelling north. Under background conditions, it is assumed that the construction will be completed, and Ginger Lane will resume two-way travel. Existing volumes have been rerouted along Ginger Lane assuming 10 percent of trips travelling out of the parking lots on Ginger Lane will travel south. Background peak hour traffic volumes were estimated by adding to existing volumes the estimated traffic from approved but not yet constructed developments. The approved but not yet constructed trips are included in Appendix E. The added traffic from approved but not yet constructed developments was obtained from the City of San Jose. Background traffic volumes are shown on Figure 10.

Traffic Volumes under Background plus Project Conditions

Since the project includes relocation of the parking garage from the north east corner of Ginger Lane and Middle Drive to the north west corner of Ginger Lane and Clove Drive, background vehicle volumes using the existing parking garage were rerouted to the proposed new parking garage. Project trips assigned to the roadway network assuming the vehicular driveway on Clove Drive were added to background traffic volumes to obtain background plus project traffic volumes (see Figure 11).

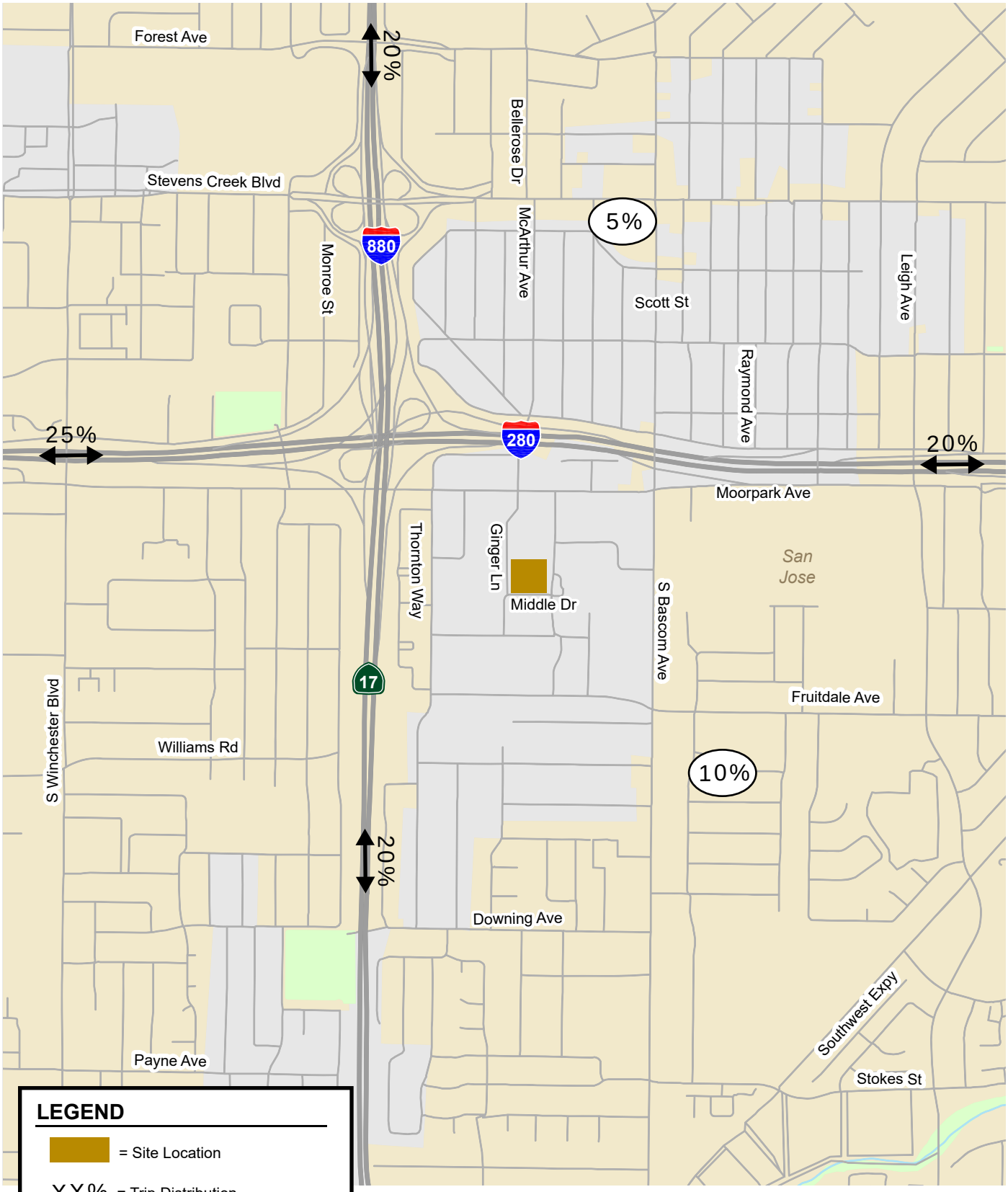


Figure 8
Trip Distribution

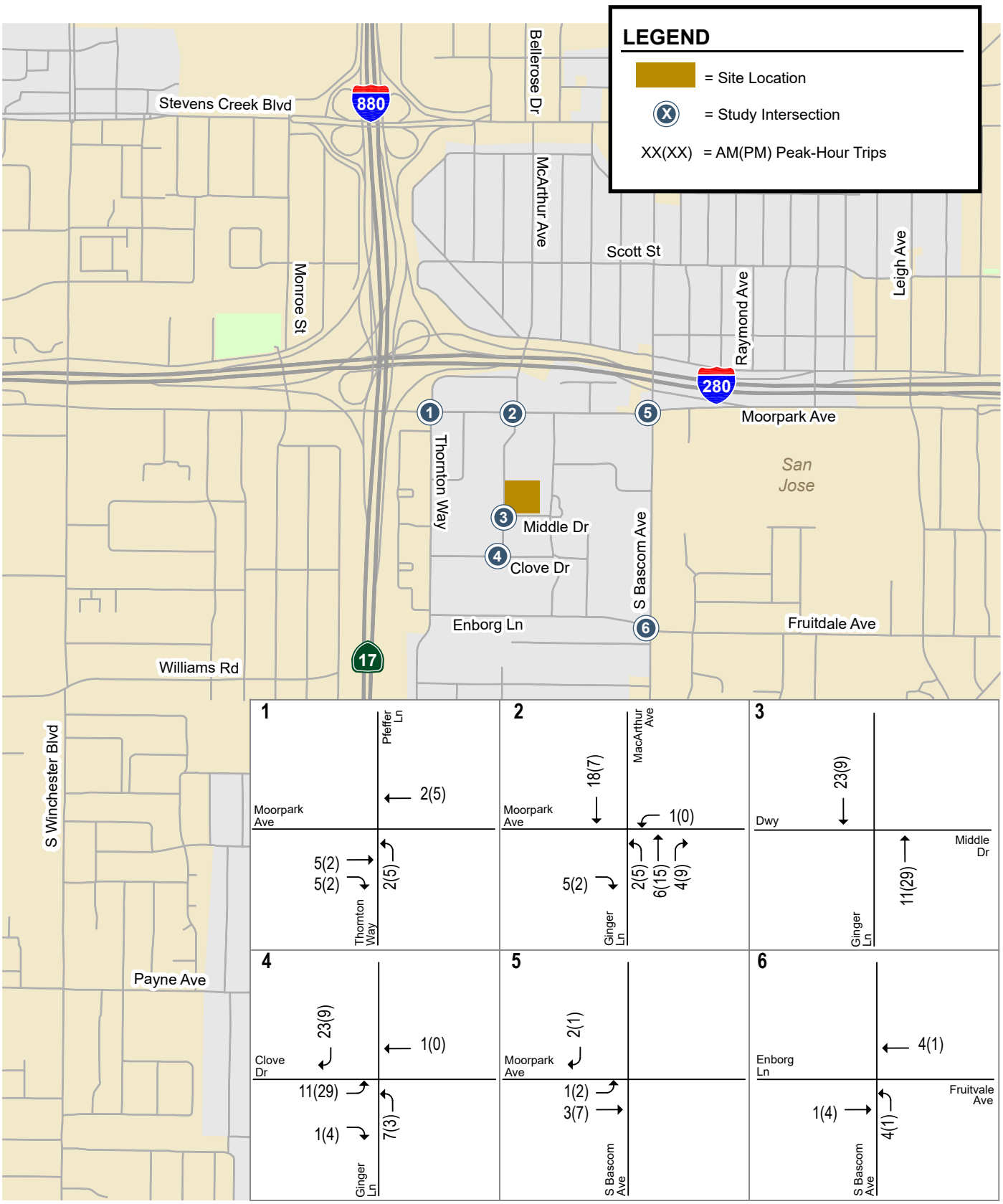


Figure 9
Trip Assignment

NORTH
Not to Scale

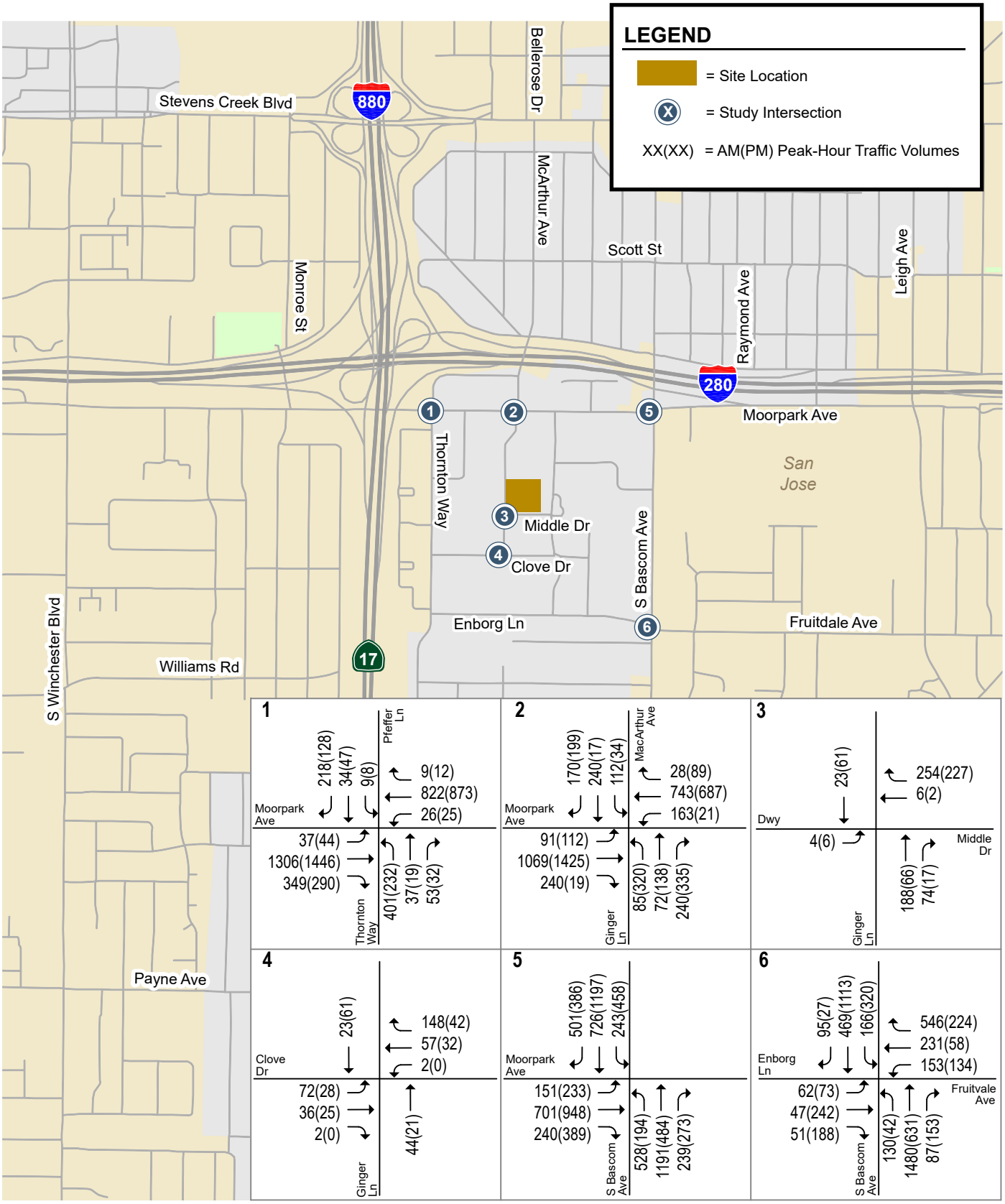


Figure 10
Background Traffic Volumes

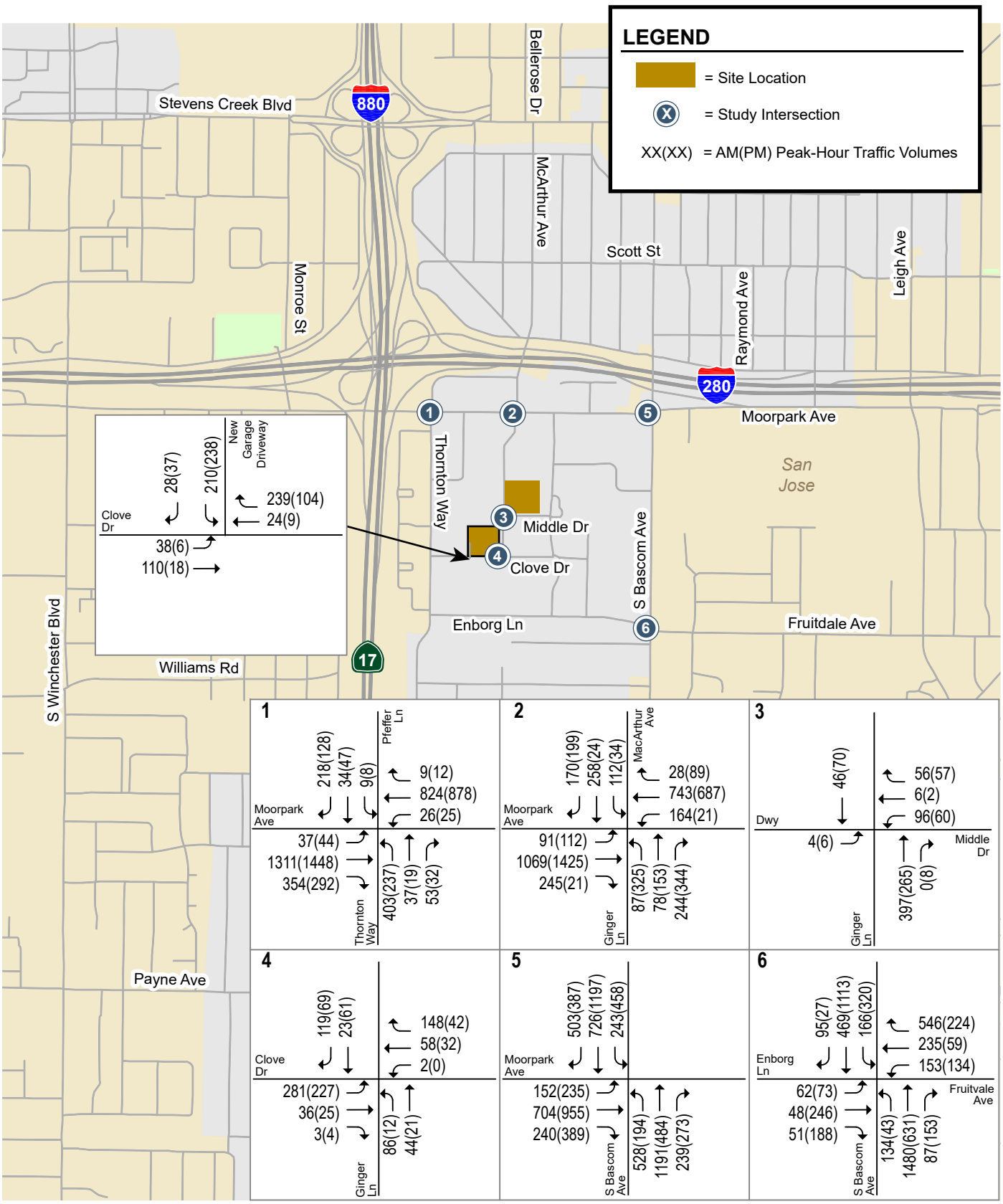


Figure 11
Background Plus Project Traffic Volumes

Intersection Traffic Operations under Background and Project Conditions

Intersection traffic operations at the study intersections were evaluated against the City of San Jose level of service standard (LOS D). The results of the intersection level of service analysis (see Table 6) show that the intersection of Bascom Avenue and Moorpark Avenue would operate unacceptably at LOS E during the PM peak hour under background conditions. Under background plus project conditions, the intersection would continue to operate at an LOS E with an increase in critical delay of 1.6 seconds and critical V/C of 0.003. The increase in critical delay and V/C due to the project at the intersection does not meet City of San Jose's criteria for adverse effect.

All of the other signalized study intersections would operate at an acceptable level of service, LOS D or better, during the AM and PM peak hours under background and background plus project conditions. The unsignalized intersections do not meet signal warrants under background and background plus project conditions.

The intersection level of service calculation sheets are included in Appendix C and signal warrant sheets are included in Appendix D.

Table 6
Background Plus Project Intersection Levels of Service

				Background Conditions					
				No Project		with Project			
#	Intersection	Peak Hour	Traffic Control	Avg. Delay (sec)*	LOS	Avg. Delay (sec)*	LOS	Incr. in Critical Delay (sec)	Incr. in Critical V/C
1	Thornton Way & Moorpark Avenue	AM	Signal	27.2	C	27.3	C	0.2	0.004
		PM		17.7	B	17.9	B	0.2	0.004
2	Ginger Lane & Moorpark Avenue	AM	Signal	34.9	C	35.8	D	1.3	0.015
		PM		36.5	D	37.9	D	2.2	0.016
3	Ginger Lane & Middle Drive	AM	AWSC	9.4	A	11.9	B	2.5	0.187
		PM		7.9	A	9.5	A	1.6	0.133
4	Ginger Lane & Clove Drive	AM	AWSC	7.9	A	10.4	B	2.5	0.245
		PM		7.5	A	9.0	A	1.5	0.249
5	Bascom Avenue & Moorpark Avenue	AM	Signal	39.7	D	39.8	D	0.1	0.002
		PM		**66.4**	**E**	**67.3**	**E**	**1.6**	**0.003**
6	Bascom Avenue & Fruitdale Avenue/ Enborg Lane	AM	Signal	45.5	D	45.6	D	0.0	0.000
		PM		45.6	D	45.7	D	0.1	0.001

Note:
AWSC = All-Way Stop Control
* Delays based on average delay for signalized intersections and AWSC intersections.
+ A growth factor of 1% was applied per year from previous existing count date to estimate new count data.
++ Counts adjusted using factor developed between 2018 and 2020 counts at the intersection of Bascom Avenue and San Carlos Avenue
Bold indicates a substandard level of service.

Vehicle Queuing Analysis

Vehicle queuing was analyzed for the southbound right-turn pocket and the eastbound, northbound, and westbound movements at the Ginger Lane and Clove Drive intersection (see Table 7). The storage length for the southbound right-turn pocket was assumed to be the distance to Ginger Lane and Middle Drive since there are no driveways in between. The storage lengths for the other movements were assumed to be the distance to the closest driveway along Ginger Lane and Clove Drive. The estimated

queue lengths based on the Poisson numerical calculations show that under background plus project conditions the 95th percentile queues can be accommodated at the intersection during both peak hours.

Table 7
Intersection Vehicle Queuing Analysis Results

	Ginger Lane & Clove Drive (unsignalized)							
	SBT/R		EBL/T/R		NBL		WBL/T/R	
Measurement	AM	PM	AM	PM	AM	PM	AM	PM
Background Plus Project								
Cycle/Delay [1] (sec)	8.7	8.7	12.1	9.7	10.3	8.7	9.3	7.7
Volume (vphpl)	142	130	320	256	86	12	208	74
Total 95th %. Queue (veh.)	1	1	3	2	1	3	2	1
Total 95th %. Queue (ft.) [2]	25	25	75	50	25	75	50	25
Total Storage	185	185	100	100	200	200	225	225
Adequate (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y

Notes:

SBR = southbound thru/right ; EBL/T/R = shared eastbound left/thru/right; NBL = northbound left; WBL/T/R = shared westbound left/thru/right

[1] Vehicle queue calculations for unsignalized intersections based on movement delay.

[2] Assumes 25 Feet Per Vehicle Queued.

Vehicular Access and Circulation

The site access and circulation evaluation is based on the December 11, 2020 site plan prepared by HGA Inc. Site access and on-site vehicular circulation were reviewed in accordance with generally accepted traffic engineering standards.

Site Access

Currently, the project site is a parking garage that has a full access driveway on Middle Drive. The parking garage will be relocated to the north-west corner of Ginger Lane and Clove Drive with the primary driveway entrance located on Clove Drive. A secondary driveway providing access to Level 1 of the parking garage for electric vehicles and ADA parking will be located on Ginger Lane. Some of the project generated traffic would access the site via a patient drop off zone on Middle Drive (see Figures 2A and 2B). Employees at the new BHSC will park in the new parking garage.

Drop-off Zone Operations

A 140-foot long drop-off zone would be installed on Middle Drive along the southern edge of the building and would provide access to the project entrance. It would be designed with one-way westbound travel and would be separated from the westbound travel lane on Middle Drive with a median. Vehicles travelling eastbound on Middle Drive would be able to U-turn into the drop-off zone and exit westbound on Middle Drive. The drop-off zone would be able to accommodate a maximum of 5 cars at any given time assuming 25 feet per car. Based on input from hospital staff, this amount of drop-off storage will be adequate to serve the building.

Garage Driveway Design

The proposed driveways on Clove Drive and Ginger Lane measure approximately 26 feet in width. According to the Santa Clara County driveway width standards, the width of a two-way driveway should be a minimum of 26 feet. Based on the site plan, the project would meet the requirement.

The project driveways must provide adequate access and stacking space for vehicles entering the site to avoid backups onto the sidewalks and streets. The project driveway should provide enough stacking space for approximately two inbound vehicles. Typically, a minimum distance of 50 feet, the equivalent of two vehicles, measured from the face of the curb provides adequate stacking space at driveways. The site plan shows a gate internal to the garage, and there is adequate space between the sidewalk and the gate for stacking of at least two vehicles. Therefore, the project driveway design is adequate.

Under background plus project conditions, the driveway on Clove Drive is expected to operate an acceptable level of service of LOS B during the AM and PM peak period. Driveway volumes under background plus project conditions are shown on Figure 11. Since the driveway on Ginger Lane is secondary and will serve a minimal number of vehicles, it is also expected to operate acceptably.

Sight Distance at Garage Driveways

The proposed driveway locations were evaluated to determine if the sight distances at the driveways would be adequate. The project driveway should be free and clear of any obstructions to optimize sight distance, thereby ensuring that exiting vehicles can see pedestrians on the sidewalk and other vehicles traveling on adjacent roadways. Any landscaping and signage should be located in such a way as to ensure an unobstructed view for drivers entering and exiting the site. Adequate sight distance reduces the likelihood of a collision at driveways and provides drivers with the ability to locate sufficient gaps in traffic to exit a driveway. Sight distance of a driveway is evaluated based on the stopping sight distance recommended by Caltrans for a given design speed. For the driveways on Clove Drive and Ginger Lane, which have a posted speed limit of 25 mph, the Caltrans stopping sight distance is 150 feet. As shown on the site plan, the project proposes no tall vegetation or objects that would block a driver's ability to see 150 feet down the street on Clove Drive or Ginger Lane.

The intersection of Ginger Lane and Middle Drive is located approximately 50 feet north of the Ginger Lane driveway. Due to a stop sign at the intersection, vehicles travelling along Ginger Lane would be travelling at speeds closer to 15mph and would require a sight distance of 50 feet. Additionally, since the Ginger Lane driveway is secondary and traffic at the driveway will be minimal, vehicles are not expected to experience any issues entering or exiting the driveway. There is currently on-street parking along the garage frontage on Clove Drive that could limit the sight distance. A 25 feet of red curb would be painted along the north side of Clove Drive between the garage driveway and Ginger Lane to ensure that exiting vehicles can see approaching vehicles on the road.

Emergency Vehicle Access

The project site plan designates an Emergency Vehicle Access (EVA) along the northern edge of the site. The EVA would provide access to hospital emergency vehicles like ambulances.

Per the Santa Clara County Ordinance No. NS-1100.116, EVA driveways should be at least 20 feet wide. The EVA driveways at Ginger Lane and Turner Drive are shown to be approximately 12 feet wide. The EVA would operate in one direction only with access from Ginger Lane and egress onto Turner Drive.

Pedestrian, Bicycle and Transit Facilities

Pedestrian Facilities

The project proposes several improvements that would increase pedestrian safety and access to the project site as well as other buildings on the SCVMC campus as listed below:

- The existing driveway on Middle Drive would be closed and replaced with a patient drop-off zone for direct access to the project.
- A pedestrian tunnel and pedestrian skybridge would be provided between the project and the existing Receiving and Support Center and the project and Future Emergency Department West Wing Nic, respectively.
- A buffered landscaped sidewalk would be installed along the project frontage. Currently, there exists a sidewalk along the existing garage frontage, and a landscaped buffer would increase pedestrian safety.
- The south leg of the intersection of Ginger Lane and Middle Drive would be narrowed from four travel lanes to three travel lanes (each lane would be approximately 11 feet to 12 feet wide), and the westbound travel lane of Middle Drive would be narrowed to 13 feet. Reducing the width of Ginger Lane and Middle Drive would reduce pedestrian travel distance between the new garage and the project thereby reducing vehicular conflict and increasing pedestrian safety.
- High-visibility crosswalks would be installed at the intersection of Ginger Lane and Middle Drive to improve pedestrian safety between the new garage and the project site.
- Turner Drive will be closed south of Middle Drive. High visibility crosswalks at the intersection of Turner Drive and Middle Drive that connect the project and the buildings across Turner Drive will be installed.

Bicycle Facilities

The project site is near to existing bike facilities on Thornton Way and Bascom Avenue. The existing network of bicycle facilities exhibits good connectivity to the residential neighborhoods west of the SCVMC campus and the commercial center along Bascom Avenue east of the campus. The project would not remove any existing bicycle facilities, nor would it conflict with any adopted plans or policies for new bicycle facilities.

Transit Service

Existing transit service to the study area is provided by the VTA bus routes 25 and 61. The closest bus stop to the project site is located on Ginger Lane at Middle Drive along the project frontage and is served by VTA bus route 25. In coordination with VTA, the project would eliminate the existing bus stop on Ginger Lane. The project is expected to generate a small increase in transit demand, which could be accommodated by the available capacity of the VTA transit service.

Recommendation

The project applicant should work with VTA so the bus stop on Ginger Lane is relocated per VTA route needs.

Construction Activities

Typical activities related to the construction of any development could include lane narrowing and/or lane closures and sidewalk closures. In the event of any type of street closure, clear signage (e.g., closure and detour signs) must be provided to ensure vehicles, pedestrians and bicyclists are able to adequately reach their intended destinations safely. The project would be required to submit a

construction management plan for County/City approval that addresses schedule, closures/detours, staging, parking, and truck routes.

Parking

Parking provided on the site was evaluated based on the Santa Clara County parking standards (Santa Clara County Municipal Code Chapter 4.30.040, Table 4.30-2). Per the Zoning Code, the required number of parking spaces for a hospital is 1 per 4 beds, 1 per employee, and 1 per 200 square feet of clinic space. The BHSC proposes 77 beds and 19 employees for the inpatient center, and 48,220 square feet of clinic space. Per the Santa Clara County parking standards, 279 parking spaces are required to meet the BHSC parking requirements (see Table 8). The new parking garage will also replace 434 parking spaces that are currently provided by the existing parking garage which serves other buildings on the SCVMC campus. Therefore, the total parking required in the new garage is 713 spaces. The project proposes to provide 717 parking spaces, exceeding the parking requirement by 4 spaces.

Table 8
Vehicle Parking Requirements

		Standard Parking Requirements	
Type	**Quantity**	**Parking Ratio**	**Required Parking**
Inpatient Beds	77	1 per 4 Beds	19
Inpatient Employees	19	1 per Employee	19
Clinic	48,220 s.f.	1 per 200 s.f.	241
Total			**279**

Note:
Source: Santa Clara County Municipal Code Chapter 4.30.040, Table 4.30-2

5. Conclusions

This study was conducted for the purpose of identifying the potential transportation impacts related to the proposed development. The project site is actually a Santa Clara County pocket, but it is surrounded by San Jose. The County has the approval authority for the project and is the lead agency for the environmental review. However, since any project transportation impacts would occur in San Jose, the project was evaluated following the standards and methodologies established in the City of San Jose's Transportation Analysis Handbook, adopted in April 2018. Based on the City of San Jose's Transportation Analysis Policy and Transportation Analysis Handbook, the TA report for the project includes a CEQA transportation analysis and a local transportation analysis (LTA).

CEQA Transportation Impacts

Project Vehicle Miles Traveled (VMT) Analysis

The impact on VMT by the SCVMC proposed hospital expansion was analyzed using the City of San Jose's TDF model by converting the project's net increase of 27 beds to retail jobs based on ITE rates. The SCVMC proposed hospital expansion would not cause an increase in trips but rather result in a change in trip making. The model results show that the job changes due to the proposed project would cause the areawide daily VMT for workers to increase slightly by 28 and the areawide daily VMT for patients would decrease by 1,741 for a total reduction of 1,713 daily VMT. The average reduction in daily VMT would be about 63.4 per bed.

CEQA Cumulative Impacts

The project is consistent with the General Plan goals and policies for the following reasons:

- The project would slightly increase the employment density in the project area, and the proposed density would be consistent with the General Plan Land Use Designation.
- The project would provide improvements in pedestrian connectivity in the vicinity of the project site.

Therefore, based on the project description, the proposed project would be consistent with *Envision San Jose 2040 General Plan*. The project would be considered as part of the cumulative solution to meet the General Plan's long-range transportation goals and would result in a less-than-significant cumulative impact.

Local Transportation Effects

Project Trip Generation

Based on trip generation rates recommended by the Institute of Transportation Engineers (ITE), it is estimated that the proposed project would generate 603 daily vehicle trips, including 50 trips occurring during the AM peak hour and 51 trips occurring during the PM peak hour

Intersection Traffic Operations

The results of the intersection level of service analysis show that the intersection of Bascom Avenue and Moorpark Avenue operates unacceptably at an LOS E under existing, background and background plus project conditions. The project would not cause any adverse effects at this intersection. All other intersections operate at an acceptable level of service under all study scenarios. Unsignalized intersections do not meet signal warrants under any study scenario.

Intersection Vehicle Queuing Operations

Vehicle queuing was analyzed for the southbound right-turn pocket and the eastbound, northbound, and westbound movements at the Ginger Lane and Clove Drive intersection**.** The estimated queue lengths based on the Poisson numerical calculations show that under background plus project conditions all movements accommodate the 95th percentile queues at the intersections during both peak hours.

Other Transportation Issues

The proposed site plan shows adequate site access. The project would enhance pedestrian circulation by providing improved pedestrian access. The existing transit and bicycle services are sufficient to serve the project.

Hexagon has the following recommendations resulting from the site access analysis.

- The project applicant should work with VTA so the bus stop on Ginger Lane is relocated per VTA route needs.

Santa Clara Valley Medical Center Expansion
Technical Appendices

February 23, 2021

Appendix A
Traffic Counts

City of San Jose
Citywide Traffix Database
(updated December 1, 2016)

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #5012 BASCOM/MOORPARK

Cycle (sec):	140	Critical Vol./Cap.(X):	0.625
Loss Time (sec):	9	Average Delay (sec/veh):	35.3
Optimal Cycle:	45	Level Of Service:	D+

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Ovl			Include			Ovl			Ignore		
Min. Green:	7	10	10	7	10	10	10	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	2 0	3 0	1	1 0	2 1	0	0 1	2 0	1	0 0	0 0	1
Volume Module: >> Count Date: 7 Nov 2017 << 7:45-8:45												
Base Vol:	508	1138	228	235	701	472	139	637	232	0	0	1
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	508	1138	228	235	701	472	139	637	232	0	0	1
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	508	1138	228	235	701	472	139	637	232	0	0	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	508	1138	228	235	701	472	139	637	232	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	508	1138	228	235	701	472	139	637	232	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	508	1138	228	235	701	472	139	637	232	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.95	0.87	0.92	0.92	1.00	0.92
Lanes:	2.00	3.00	1.00	1.00	2.00	1.00	0.50	2.50	1.00	0.00	0.00	1.00
Final Sat.:	3150	5700	1750	1750	3800	1750	903	4136	1750	0	0	1750
Capacity Analysis Module:												
Vol/Sat:	0.16	0.20	0.13	0.13	0.18	0.27	0.15	0.15	0.13	0.00	0.00	0.00
Crit Moves:	****					****	****					
Green Time:	36.1	57.7	57.7	38.8	60.4	60.4	34.5	34.5	70.6	0.0	0.0	0.0
Volume/Cap:	0.63	0.48	0.32	0.48	0.43	0.63	0.63	0.63	0.26	0.00	0.00	0.00
Delay/Veh:	47.5	30.4	28.1	43.0	27.9	31.7	48.0	48.0	20.0	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.5	30.4	28.1	43.0	27.9	31.7	48.0	48.0	20.0	0.0	0.0	0.0
LOS by Move:	D	C	C	D	C	C	D	D	B-	A	A	A
HCM2k95thQ:	22	21	13	17	19	30	21	19	11	0	0	0

Note: Queue reported is the number of cars per lane.

City of San Jose
Citywide Traffix Database
(updated December 1, 2016)

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #3712 MOORPARK/THORNTON

Cycle (sec):	122	Critical Vol./Cap.(X):	0.717
Loss Time (sec):	9	Average Delay (sec/veh):	26.3
Optimal Cycle:	55	Level Of Service:	C

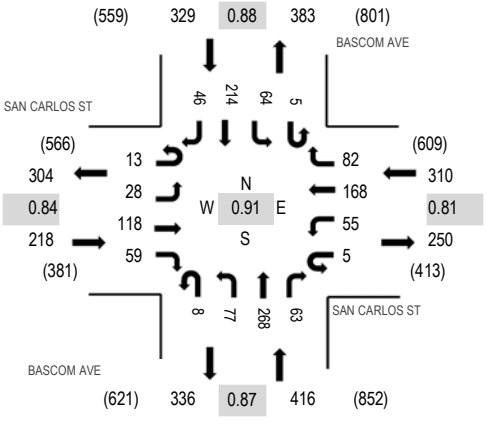
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0 1	0	0 1	0	0	1! 0	0	1	0 1	1	0 1	1 0
Volume Module: >> Count Date: 26 Oct 2016 << 7:30-8:30												
Base Vol:	386	36	51	9	33	210	36	1203	335	25	778	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	386	36	51	9	33	210	36	1203	335	25	778	9
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	386	36	51	9	33	210	36	1203	335	25	778	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	386	36	51	9	33	210	36	1203	335	25	778	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	386	36	51	9	33	210	36	1203	335	25	778	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	386	36	51	9	33	210	36	1203	335	25	778	9
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	0.91	0.09	1.00	0.04	0.13	0.83	1.00	1.55	0.45	1.00	1.98	0.02
Final Sat.:	1646	154	1750	63	229	1458	1750	2893	806	1750	3658	42
Capacity Analysis Module:												
Vol/Sat:	0.23	0.23	0.03	0.14	0.14	0.14	0.02	0.42	0.42	0.01	0.21	0.21
Crit Moves:	****							****		****		
Green Time:	38.2	38.2	45.2	38.2	38.2	38.2	15.9	67.8	67.8	7.0	58.9	58.9
Volume/Cap:	0.75	0.75	0.08	0.46	0.46	0.46	0.16	0.75	0.75	0.25	0.44	0.44
Delay/Veh:	43.1	43.1	24.9	34.2	34.2	34.2	47.4	22.2	22.2	56.3	20.9	20.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.1	43.1	24.9	34.2	34.2	34.2	47.4	22.2	22.2	56.3	20.9	20.9
LOS by Move:	D	D	C	C-	C-	C-	D	C+	C+	E+	C+	C+
HCM2k95thQ:	28	28	3	16	16	16	3	39	39	2	18	18

Note: Queue reported is the number of cars per lane.

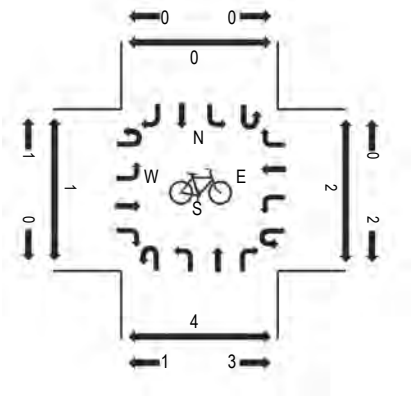
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 1 BASCOM AVE & SAN CARLOS ST AM
Date: Tuesday, September 15, 2020
Peak Hour: 08:00 AM - 09:00 AM
Peak 15-Minutes: 08:30 AM - 08:45 AM

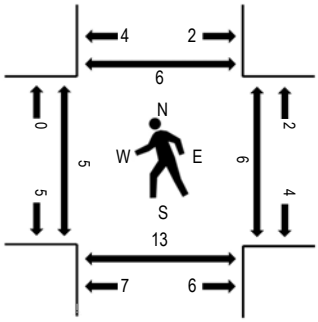
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	SAN CARLOS ST Eastbound				SAN CARLOS ST Westbound				BASCOM AVE Northbound				BASCOM AVE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	4	5	16	11	0	6	34	10	4	14	56	8	0	4	31	9	212	1,128	0	1	1	0
7:15 AM	1	3	20	20	0	12	30	18	2	13	79	8	1	15	40	6	268	1,208	0	2	3	0
7:30 AM	2	4	20	22	0	12	51	20	5	16	92	16	0	12	37	4	313	1,233	0	0	2	0
7:45 AM	3	9	16	7	1	22	55	28	2	10	93	18	0	9	52	10	335	1,271	0	2	1	1
8:00 AM	3	7	18	11	1	12	53	21	2	19	55	17	3	11	46	13	292	1,273	1	2	3	1
8:15 AM	1	8	30	12	0	17	33	18	2	7	74	11	1	17	54	8	293		1	2	4	1
8:30 AM	6	8	31	20	2	16	42	21	2	29	71	20	1	19	55	8	351		0	2	4	2
8:45 AM	3	5	39	16	2	10	40	22	2	22	68	15	0	17	59	17	337		3	0	2	2

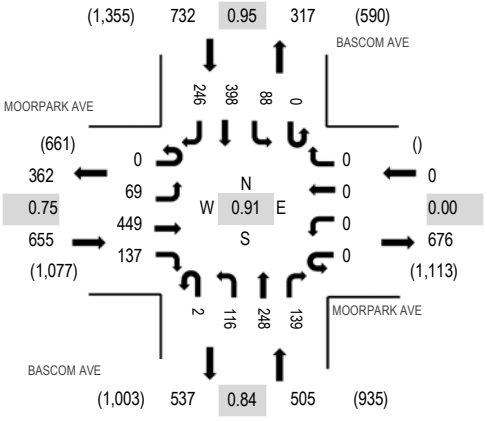
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	1	0	0	2	0	1	0	0	2	0	6
Bikes on Road	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Lights	13	28	109	54	5	54	157	80	8	74	259	60	5	61	205	45	1,217
Mediums	0	0	9	5	0	1	10	2	0	1	6	2	0	3	7	1	47
Total	13	28	118	59	5	55	168	82	8	77	268	63	5	64	214	46	1,273

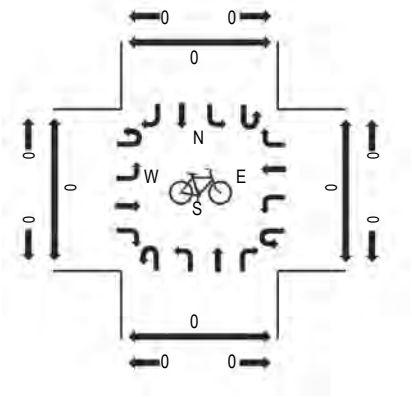
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 2 BASCOM AVE & MOORPARK AVE AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

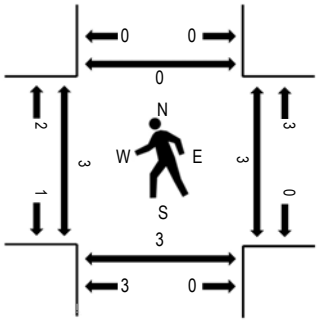
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MOORPARK AVE Eastbound				MOORPARK AVE Westbound				BASCOM AVE Northbound				BASCOM AVE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	6	45	23	0	0	0	0	1	16	41	24	0	14	70	36	276	1,607	1	1	1	0
7:15 AM	0	7	57	23	0	0	0	0	0	15	46	25	0	13	91	51	328	1,791	1	1	0	0
7:30 AM	0	29	157	32	0	0	0	0	0	32	75	44	0	16	74	59	518	1,892	0	1	1	0
7:45 AM	0	12	113	34	0	0	0	0	1	22	70	37	0	33	106	57	485	1,808	1	0	1	0
8:00 AM	0	13	94	38	0	0	0	0	1	34	51	32	0	20	105	72	460	1,760	1	0	0	0
8:15 AM	0	15	85	33	0	0	0	0	0	28	52	26	0	19	113	58	429		1	2	1	0
8:30 AM	0	21	86	34	0	0	0	0	0	32	63	30	0	22	92	54	434		1	1	0	0
8:45 AM	1	22	64	33	0	0	0	0	0	41	67	29	0	28	99	53	437		0	1	0	0

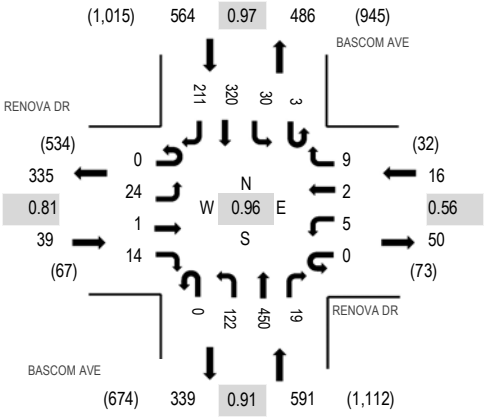
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	3
Bikes on Road	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Lights	0	69	444	131	0	0	0	0	2	116	236	136	0	84	387	243	1,848
Mediums	0	0	4	6	0	0	0	0	0	0	9	3	0	3	11	3	39
Total	0	69	449	137	0	0	0	0	2	116	248	139	0	88	398	246	1,892

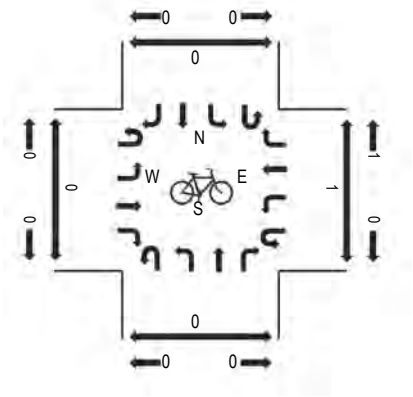
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 3 BASCOM AVE & RENOVA DR AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:45 AM - 08:45 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

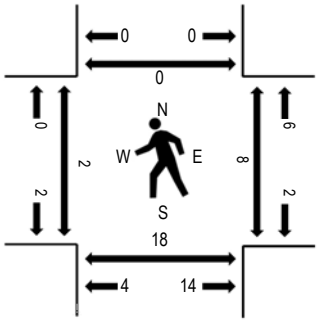
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	RENOVA DR Eastbound				RENOVA DR Westbound				BASCOM AVE Northbound				BASCOM AVE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	5	0	3	0	0	0	4	1	17	79	4	0	3	69	26	211	1,034	2	0	0	0
7:15 AM	0	2	0	3	0	1	0	0	1	18	84	0	0	2	80	32	223	1,133	1	2	1	0
7:30 AM	0	3	0	1	1	2	0	0	0	27	141	1	2	5	70	32	285	1,203	0	2	0	0
7:45 AM	0	8	0	3	0	3	1	2	0	35	119	9	1	6	75	53	315	1,210	0	0	2	0
8:00 AM	0	4	0	2	0	2	0	4	0	40	111	2	1	9	81	54	310	1,192	1	4	4	0
8:15 AM	0	7	0	5	0	0	0	2	0	29	101	3	0	11	76	59	293		0	4	11	0
8:30 AM	0	5	1	4	0	0	1	1	0	18	119	5	1	4	88	45	292		1	0	1	0
8:45 AM	0	7	0	4	0	2	1	5	1	16	127	4	0	3	97	30	297		0	1	5	0

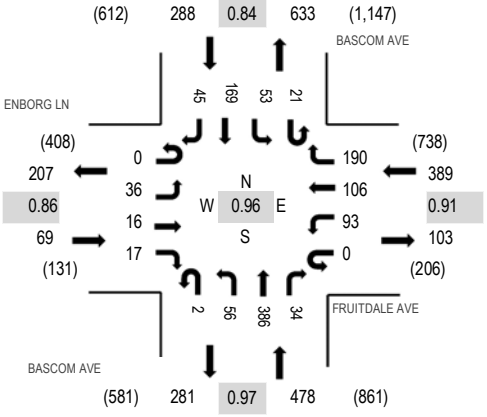
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Bikes on Road	0	0	0	0	0	2	0	0	0	0	3	0	0	0	0	0	5
Lights	0	23	1	14	0	3	2	9	0	121	434	19	3	30	303	209	1,171
Mediums	0	1	0	0	0	0	0	0	0	1	11	0	0	0	17	2	32
Total	0	24	1	14	0	5	2	9	0	122	450	19	3	30	320	211	1,210

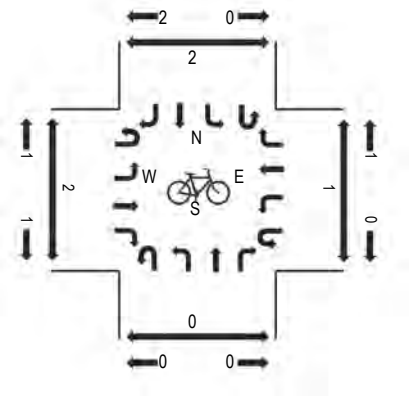
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 4 BASCOM AVE & FRUITDALE AVE AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 08:00 AM - 08:15 AM

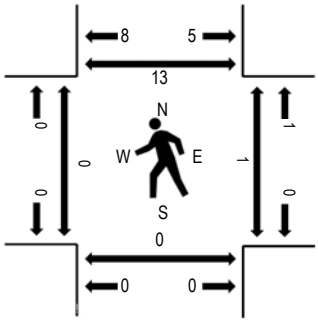
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	ENBORG LN Eastbound				FRUITDALE AVE Westbound				BASCOM AVE Northbound				BASCOM AVE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	7	4	1	0	18	25	26	0	14	59	6	3	8	37	17	225	1,130	0	0	0	2
7:15 AM	0	7	9	3	0	19	33	36	0	17	93	8	3	18	44	17	307	1,224	0	1	0	2
7:30 AM	0	11	3	5	0	21	22	42	0	13	101	9	8	7	37	7	286	1,179	0	0	0	2
7:45 AM	0	7	2	3	0	27	25	54	2	10	97	9	7	16	42	11	312	1,218	0	0	0	4
8:00 AM	0	11	2	6	0	26	26	58	0	16	95	8	3	12	46	10	319	1,212	0	0	0	5
8:15 AM	0	8	4	2	0	19	25	42	1	16	70	5	6	6	42	16	262		1	2	1	0
8:30 AM	0	7	7	2	0	25	33	42	0	8	97	13	7	13	63	8	325		0	1	0	0
8:45 AM	0	13	4	3	0	27	15	52	1	9	71	13	4	20	59	15	306		0	2	0	3

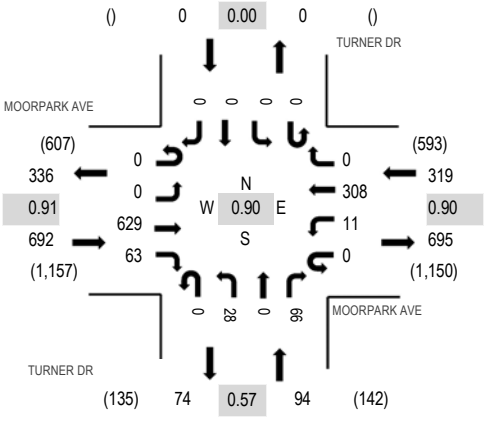
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Bikes on Road	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	3
Lights	0	35	15	16	0	89	99	188	2	56	374	29	21	48	158	39	1,169
Mediums	0	1	1	1	0	4	7	2	0	0	10	4	0	5	10	6	51
Total	0	36	16	17	0	93	106	190	2	56	386	34	21	53	169	45	1,224

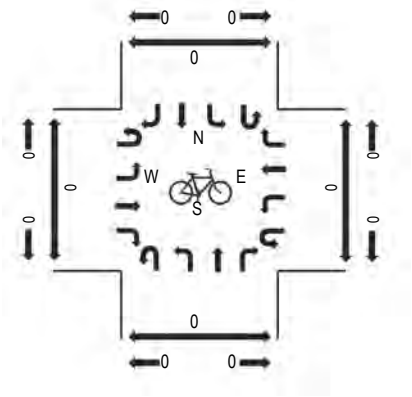
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 5 TURNER DR & MOORPARK AVE AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

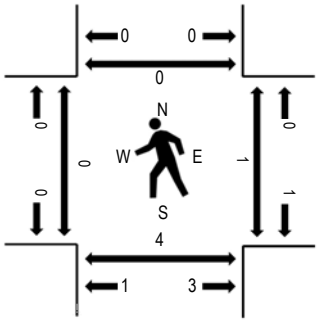
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MOORPARK AVE Eastbound				MOORPARK AVE Westbound				TURNER DR Northbound				TURNER DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	0	72	16	0	5	45	0	0	1	0	9	0	0	0	0	148	910	0	1	0	0
7:15 AM	0	0	90	8	0	5	60	0	0	3	0	9	0	0	0	0	175	1,027	0	0	0	0
7:30 AM	0	0	169	14	0	0	83	0	0	11	0	30	0	0	0	0	307	1,105	0	0	0	0
7:45 AM	0	0	170	20	0	5	69	0	0	4	0	12	0	0	0	0	280	1,028	0	1	3	0
8:00 AM	0	0	144	13	0	3	86	0	0	7	0	12	0	0	0	0	265	982	0	0	1	0
8:15 AM	0	0	146	16	0	3	70	0	0	6	0	12	0	0	0	0	253		0	0	0	0
8:30 AM	0	0	131	11	0	1	71	0	0	5	0	11	0	0	0	0	230		0	0	2	0
8:45 AM	0	0	126	11	0	4	83	0	0	3	0	7	0	0	0	0	234		0	0	1	0

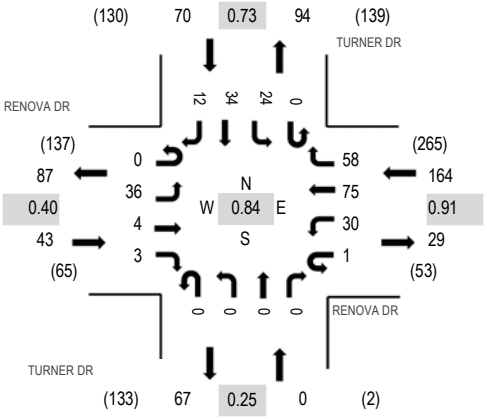
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Bikes on Road	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Lights	0	0	618	59	0	11	306	0	0	28	0	66	0	0	0	0	1,088
Mediums	0	0	10	2	0	0	2	0	0	0	0	0	0	0	0	0	14
Total	0	0	629	63	0	11	308	0	0	28	0	66	0	0	0	0	1,105

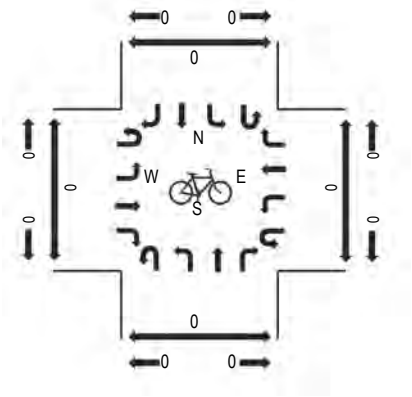
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 6 TURNER DR & RENOVA DR AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

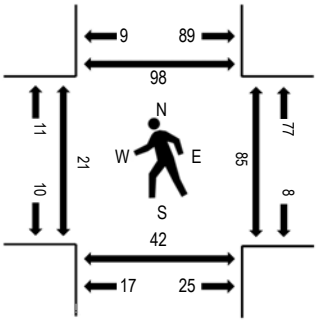
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	RENOVA DR Eastbound				RENOVA DR Westbound				TURNER DR Northbound				TURNER DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	2	1	4	0	6	11	6	0	0	0	0	0	1	15	5	51	253	3	14	12	13
7:15 AM	0	2	1	1	0	8	14	8	0	0	1	0	0	5	3	3	46	258	1	13	8	8
7:30 AM	0	26	1	1	0	5	19	17	0	0	0	0	0	4	9	0	82	277	4	27	16	13
7:45 AM	0	5	0	1	0	7	24	13	0	0	0	0	0	6	11	7	74	247	9	22	10	39
8:00 AM	0	5	2	0	0	4	21	9	0	0	0	0	0	6	9	0	56	209	4	15	8	19
8:15 AM	0	0	1	1	1	14	11	19	0	0	0	0	0	8	5	5	65		4	21	8	27
8:30 AM	1	4	1	2	0	8	10	13	0	0	0	1	0	6	5	1	52		4	5	3	16
8:45 AM	0	1	1	1	0	5	4	8	0	0	0	0	0	7	8	1	36		4	5	3	11

Peak Rolling Hour Flow Rates

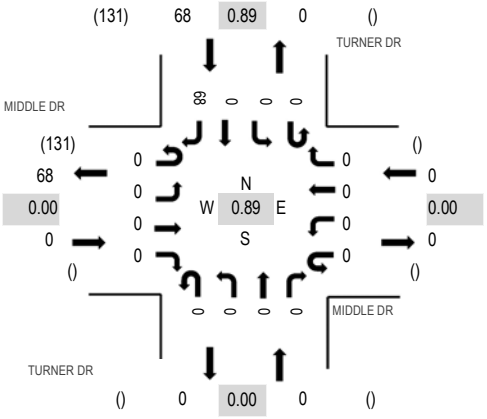
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Lights	0	36	4	3	1	30	75	58	0	0	0	0	0	24	31	12	274
Mediums	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Total	0	36	4	3	1	30	75	58	0	0	0	0	0	24	34	12	277

ALL TRAFFIC DATA SERVICES

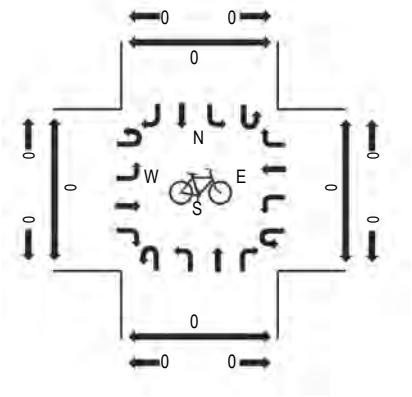
(303) 216-2439
www.alltrafficdata.net

Location: 7 TURNER DR & MIDDLE DR AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:45 AM - 08:45 AM
Peak 15-Minutes: 08:00 AM - 08:15 AM

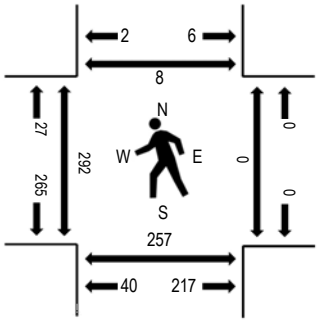
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MIDDLE DR Eastbound				MIDDLE DR Westbound				TURNER DR Northbound				TURNER DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	26	67	91	0	118	1
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	60	79	0	81	6
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	67	77	0	63	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	68	105	0	105	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19	64	68	0	50	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18		77	0	61	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15		42	0	41	6
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12		36	0	44	2

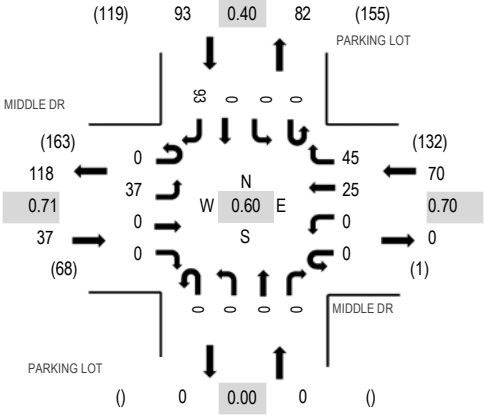
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	67
Mediums	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68	68

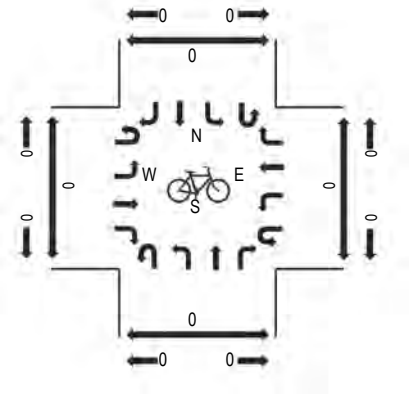
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 8 PARKING LOT & MIDDLE DR AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:00 AM - 08:00 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

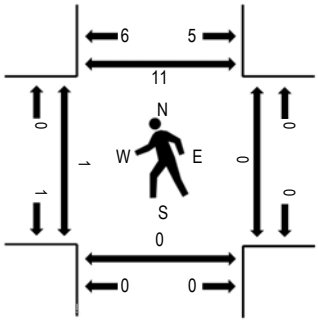
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MIDDLE DR Eastbound				MIDDLE DR Westbound				PARKING LOT Northbound				PARKING LOT Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	13	0	0	0	0	7	18	0	0	0	0	0	0	0	5	43	200	1	0	0	4
7:15 AM	0	10	0	0	0	0	4	7	0	0	0	0	0	0	0	9	30	195	0	0	0	4
7:30 AM	0	7	0	0	0	0	7	8	0	0	0	0	0	0	0	61	83	196	0	0	0	1
7:45 AM	0	7	0	0	0	0	7	12	0	0	0	0	0	0	0	18	44	134	0	0	0	2
8:00 AM	0	11	0	0	0	0	6	11	0	0	0	0	0	0	0	10	38	119	0	0	0	3
8:15 AM	0	5	0	0	0	0	4	13	0	0	0	0	0	0	0	9	31		0	0	0	2
8:30 AM	1	3	0	0	0	0	6	10	0	0	0	0	0	0	0	1	21		0	0	0	1
8:45 AM	0	11	0	0	0	0	3	9	0	0	0	0	0	1	0	5	29		0	0	0	3

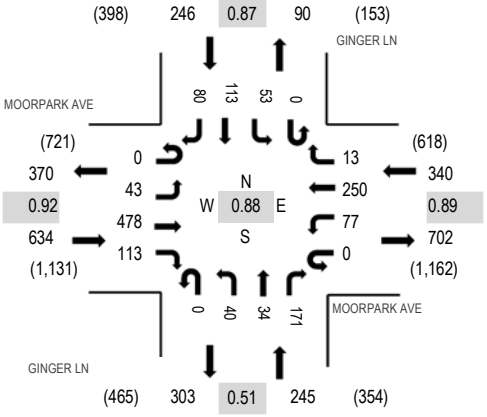
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	37	0	0	0	0	24	45	0	0	0	0	0	0	0	93	199
Mediums	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	0	37	0	0	0	0	25	45	0	0	0	0	0	0	0	93	200

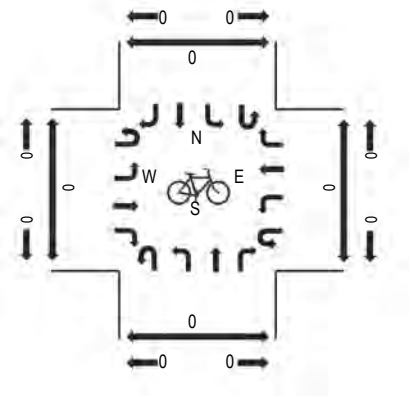
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 9 GINGER LN & MOORPARK AVE AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

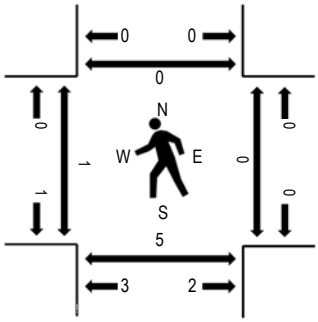
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MOORPARK AVE Eastbound				MOORPARK AVE Westbound				GINGER LN Northbound				GINGER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	8	64	21	0	4	44	3	0	10	4	12	0	7	15	4	196	1,244	0	0	1	2
7:15 AM	0	7	74	27	0	8	51	2	0	3	3	16	0	6	25	23	245	1,399	0	0	0	1
7:30 AM	0	8	106	23	0	19	72	5	0	17	16	89	0	11	31	21	418	1,465	0	0	1	0
7:45 AM	0	11	125	38	0	22	53	6	0	10	12	37	0	20	38	13	385	1,336	0	0	3	0
8:00 AM	0	14	119	26	0	20	68	1	0	9	6	29	0	10	25	24	351	1,257	1	0	1	0
8:15 AM	0	10	128	26	0	16	57	1	0	4	0	16	0	12	19	22	311		0	0	0	0
8:30 AM	0	8	118	16	0	7	71	5	0	12	2	15	0	7	12	16	289		0	0	3	0
8:45 AM	0	17	120	17	0	7	75	1	0	16	3	13	0	8	3	26	306		0	1	2	0

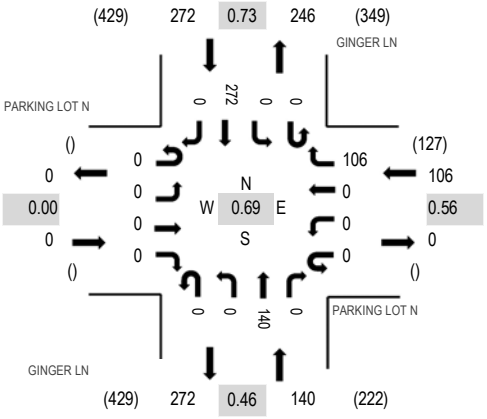
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Bikes on Road	0	3	1	1	0	0	0	0	0	0	1	0	0	0	0	0	6
Lights	0	40	472	112	0	77	247	13	0	35	33	163	0	52	113	79	1,436
Mediums	0	0	4	0	0	0	3	0	0	5	0	8	0	1	0	1	22
Total	0	43	478	113	0	77	250	13	0	40	34	171	0	53	113	80	1,465

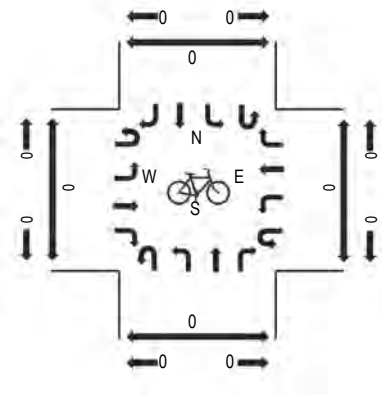
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 10 GINGER LN & PARKING LOT N AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

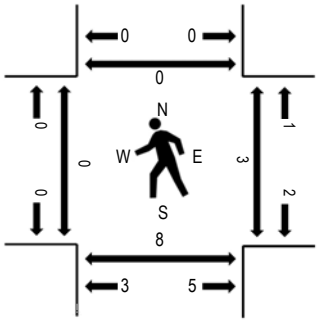
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PARKING LOT N Eastbound				PARKING LOT N Westbound				GINGER LN Northbound				GINGER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	0	0	0	0	0	0	12	0	0	13	0	0	0	37	0	62	480	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	7	0	0	15	0	0	0	56	0	78	518	0	0	1	0
7:30 AM	0	0	0	0	0	0	0	47	0	0	76	0	0	0	66	0	189	516	0	1	2	0
7:45 AM	0	0	0	0	0	0	0	26	0	0	31	0	0	0	94	0	151	392	0	2	5	0
8:00 AM	0	0	0	0	0	0	0	26	0	0	18	0	0	0	56	0	100	298	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	4	0	0	14	0	0	0	58	0	76		0	0	0	0
8:30 AM	0	0	0	0	0	0	0	5	0	0	25	0	0	0	35	0	65		0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	30	0	0	0	27	0	57		0	2	2	0

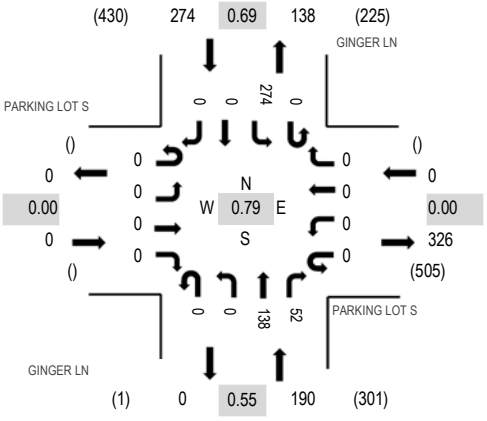
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	0	0	0	0	0	0	106	0	0	128	0	0	0	272	0	506
Mediums	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	12
Total	0	0	0	0	0	0	0	106	0	0	140	0	0	0	272	0	518

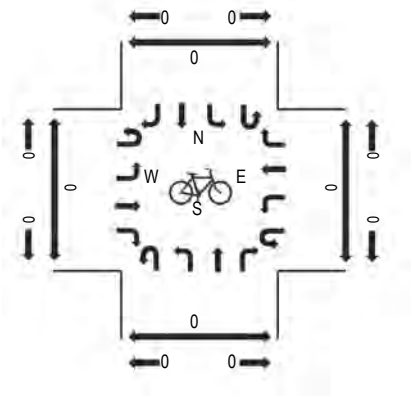
(303) 216-2439
www.alltrafficdata.net

Location: 11 GINGER LN & PARKING LOT S AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

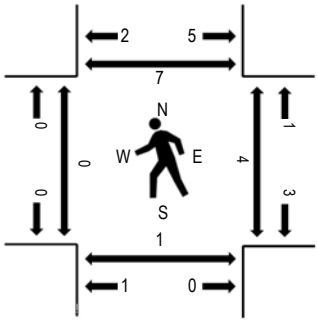
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PARKING LOT S Eastbound				PARKING LOT S Westbound				GINGER LN Northbound				GINGER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	0	0	0	0	0	0	0	0	0	13	9	0	37	0	0	59	434	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	17	8	0	57	0	0	82	460	0	0	0	2
7:30 AM	0	0	0	0	0	0	0	0	0	0	77	10	0	60	0	0	147	464	0	2	0	2
7:45 AM	0	0	0	0	0	0	0	0	0	0	28	18	0	100	0	0	146	382	0	2	1	4
8:00 AM	0	0	0	0	0	0	0	0	0	0	20	11	0	54	0	0	85	297	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	13	13	0	60	0	0	86		0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	26	5	0	34	0	0	65		0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	31	2	0	27	1	0	61		0	2	0	2

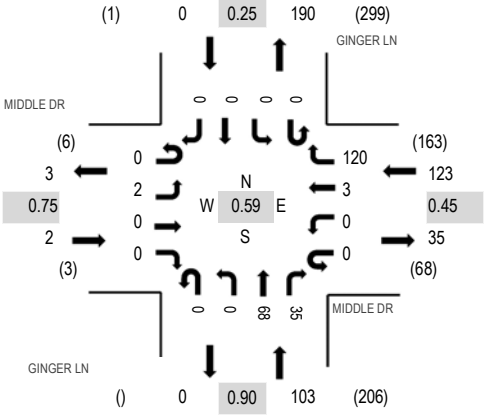
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	0	0	0	0	0	0	0	0	0	125	52	0	274	0	0	451
Mediums	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	13
Total	0	0	0	0	0	0	0	0	0	0	138	52	0	274	0	0	464

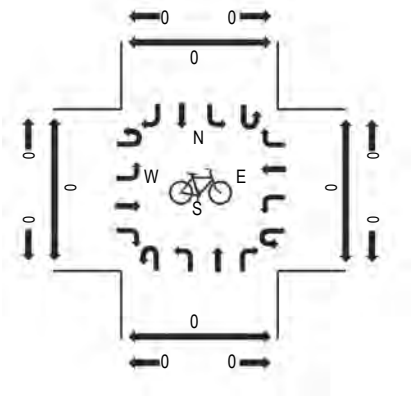
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 12 GINGER LN & MIDDLE DR AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 07:30 AM - 07:45 AM

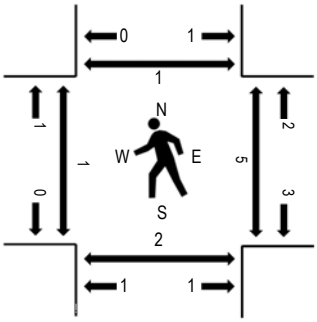
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MIDDLE DR Eastbound				MIDDLE DR Westbound				GINGER LN Northbound				GINGER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	0	0	0	0	0	2	9	0	0	12	13	0	0	0	0	36	223	0	3	0	0
7:15 AM	0	0	0	0	0	0	1	13	0	0	12	10	0	0	0	0	36	228	1	0	1	1
7:30 AM	0	0	0	0	0	0	2	66	0	0	21	7	0	0	0	0	96	225	0	1	0	0
7:45 AM	0	1	0	0	0	0	0	25	0	0	22	7	0	0	0	0	55	163	0	2	1	0
8:00 AM	0	1	0	0	0	0	0	16	0	0	13	11	0	0	0	0	41	150	0	2	0	0
8:15 AM	0	0	0	0	0	0	1	12	0	0	15	5	0	0	0	0	33		0	0	0	0
8:30 AM	0	1	0	0	0	0	0	8	0	0	21	4	0	0	0	0	34		0	1	0	0
8:45 AM	0	0	0	0	0	0	0	8	0	0	23	10	0	1	0	0	42		0	2	0	0

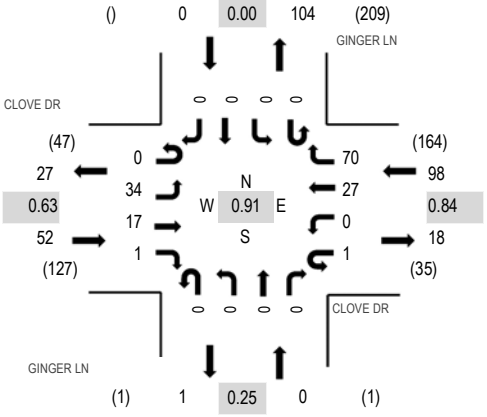
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	2	0	0	0	0	3	119	0	0	57	35	0	0	0	0	216
Mediums	0	0	0	0	0	0	0	1	0	0	11	0	0	0	0	0	12
Total	0	2	0	0	0	0	3	120	0	0	68	35	0	0	0	0	228

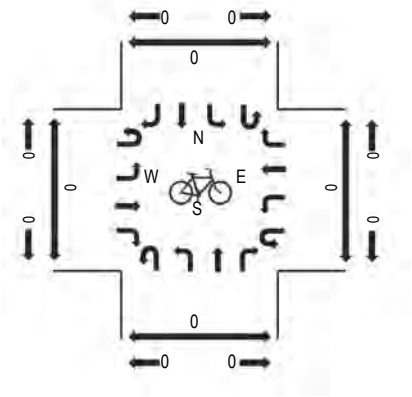
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 13 GINGER LN & CLOVE DR AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:00 AM - 08:00 AM
Peak 15-Minutes: 07:00 AM - 07:15 AM

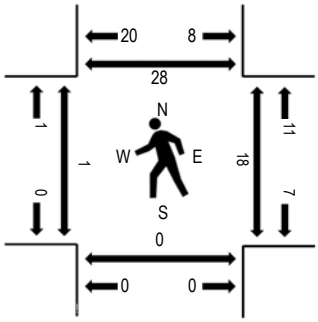
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	CLOVE DR Eastbound				CLOVE DR Westbound				GINGER LN Northbound				GINGER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	7	4	1	0	0	10	19	0	0	0	0	0	0	0	0	41	150	1	4	0	10
7:15 AM	0	4	4	0	0	0	7	18	0	0	0	0	0	0	0	0	33	143	0	9	0	12
7:30 AM	0	12	2	0	0	0	6	16	0	0	0	0	0	0	0	0	36	139	0	2	0	1
7:45 AM	0	11	7	0	1	0	4	17	0	0	0	0	0	0	0	0	40	140	0	3	0	5
8:00 AM	0	9	3	0	0	0	5	16	0	0	1	0	0	0	0	0	34	142	0	4	0	6
8:15 AM	0	8	3	0	0	0	6	12	0	0	0	0	0	0	0	0	29		0	1	0	1
8:30 AM	0	15	7	0	0	0	4	11	0	0	0	0	0	0	0	0	37		0	0	0	2
8:45 AM	0	26	4	0	0	0	5	7	0	0	0	0	0	0	0	0	42		0	0	0	0

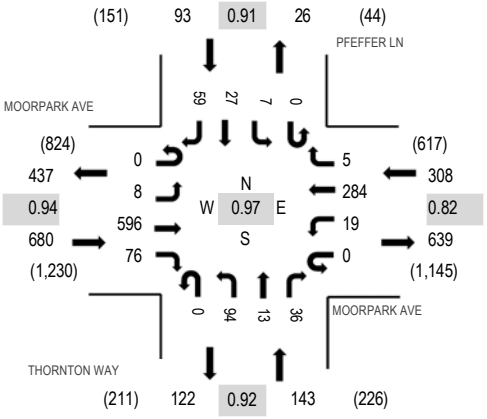
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Lights	0	25	15	1	1	0	24	70	0	0	0	0	0	0	0	0	136
Mediums	0	9	2	0	0	0	2	0	0	0	0	0	0	0	0	0	13
Total	0	34	17	1	1	0	27	70	0	0	0	0	0	0	0	0	150

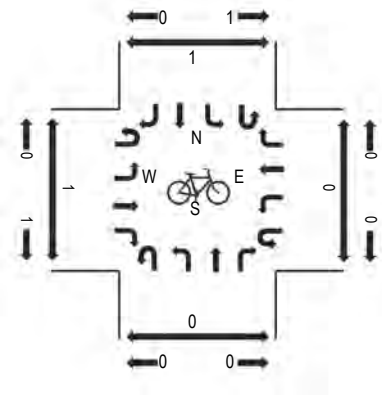
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 14 THORNTON WAY & MOORPARK AVE AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 08:00 AM - 08:15 AM

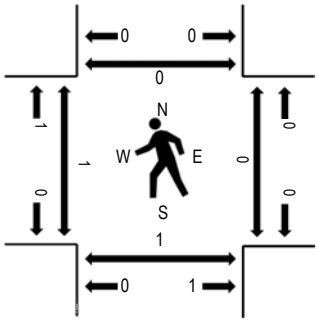
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MOORPARK AVE Eastbound				MOORPARK AVE Westbound				THORNTON WAY Northbound				PFEFFER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	1	88	14	0	1	51	1	0	17	0	5	0	1	3	9	191	1,018	0	0	0	0
7:15 AM	0	1	101	14	0	7	60	0	0	12	3	7	0	0	3	17	225	1,141	2	0	0	0
7:30 AM	0	0	129	13	0	7	91	1	0	25	1	6	0	5	3	16	297	1,224	0	0	0	0
7:45 AM	0	4	159	23	0	6	48	1	0	20	3	14	0	1	10	16	305	1,209	0	0	0	0
8:00 AM	0	1	144	20	0	4	78	1	0	25	4	10	0	1	9	17	314	1,206	0	0	1	0
8:15 AM	0	3	164	20	0	2	67	2	0	24	5	6	0	0	5	10	308		1	0	0	0
8:30 AM	0	2	149	14	0	4	77	3	0	16	0	4	0	0	2	11	282		0	0	2	0
8:45 AM	0	3	145	18	0	6	96	3	0	12	1	6	0	0	3	9	302		1	1	3	1

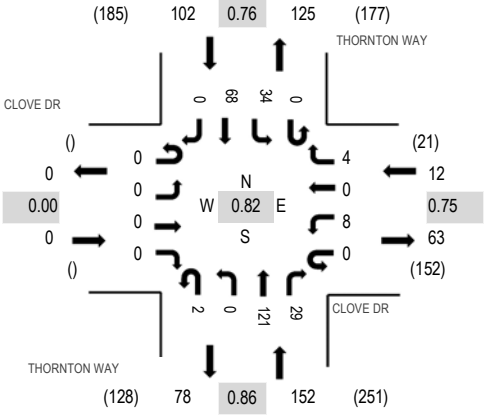
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Bikes on Road	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	1	4
Lights	0	8	590	72	0	16	280	5	0	93	13	35	0	7	27	58	1,204
Mediums	0	0	3	4	0	3	4	0	0	0	0	1	0	0	0	0	15
Total	0	8	596	76	0	19	284	5	0	94	13	36	0	7	27	59	1,224

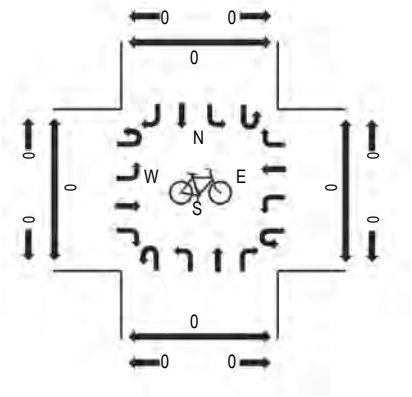
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 15 THORNTON WAY & CLOVE DR AM
Date: Tuesday, September 15, 2020
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

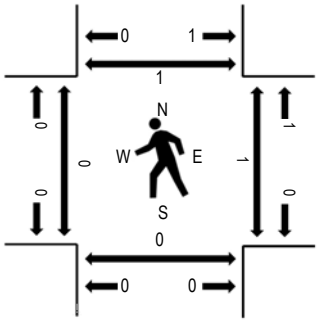
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	CLOVE DR Eastbound				CLOVE DR Westbound				THORNTON WAY Northbound				THORNTON WAY Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
7:00 AM	0	0	0	0	0	1	0	2	0	0	18	4	0	14	8	0	47	238	0	1	0	0
7:15 AM	0	0	0	0	0	1	0	1	0	0	18	7	1	8	14	0	50	257	0	0	0	0
7:30 AM	0	0	0	0	0	1	0	3	2	0	26	9	0	6	13	0	60	266	0	0	0	0
7:45 AM	0	0	0	0	0	1	0	1	0	0	38	6	0	17	18	0	81	250	0	0	0	1
8:00 AM	0	0	0	0	0	2	0	0	0	0	29	6	0	6	23	0	66	219	0	1	0	0
8:15 AM	0	0	0	0	0	4	0	0	0	0	28	8	0	5	14	0	59		0	0	0	0
8:30 AM	0	0	0	0	0	0	0	2	0	0	9	18	0	5	10	0	44		0	0	0	0
8:45 AM	0	0	0	0	0	2	0	0	0	0	1	24	0	9	14	0	50		0	0	0	0

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	0	0	0	0	8	0	2	2	0	119	25	0	29	66	0	251
Mediums	0	0	0	0	0	0	0	2	0	0	2	4	0	5	2	0	15
Total	0	0	0	0	0	8	0	4	2	0	121	29	0	34	68	0	266

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #5012 BASCOM AVE/MOORPARK AVE

Cycle (sec):	157	Critical Vol./Cap.(X):	0.947
Loss Time (sec):	12	Average Delay (sec/veh):	63.7
Optimal Cycle:	183	Level Of Service:	E

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:		Ovl			Ovl			Ovl			Ignore	
Min. Green:	16	35	35	47	66	66	65	65	65	0	0	0
Y+R:	4.8	5.1	5.1	4.6	5.1	5.1	5.6	5.6	5.6	0.0	0.0	0.0
Lanes:	2 0	2	1 0	1 0	2	1 0	0 1	0	1 0	0 0	0	0 0
Volume Module: >> Count Date: 11 Dec 2018 << 5:15 - 6:15 PM												
Base Vol:	191	478	270	453	1178	332	229	922	387	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	191	478	270	453	1178	332	229	922	387	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	191	478	270	453	1178	332	229	922	387	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	191	478	270	453	1178	332	229	922	387	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	191	478	270	453	1178	332	229	922	387	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	191	478	270	453	1178	332	229	922	387	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	0.99	0.95	0.95	0.83	0.95	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	1.00	2.32	0.68	0.28	1.26	0.46	0.00	0.00	0.00
Final Sat.:	3150	3800	1750	1750	4367	1231	496	1995	837	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.06	0.13	0.15	0.26	0.27	0.27	0.46	0.46	0.46	0.00	0.00	0.00
Crit Moves:			****	****				****				
Green Time:	15.8	34.6	34.6	46.4	65.2	129.4	64.2	64.2	80.0	0.0	0.0	0.0
Volume/Cap:	0.60	0.57	0.70	0.88	0.65	0.33	1.13	1.13	0.91	0.00	0.00	0.00
Uniform Del:	68.5	55.3	57.2	53.2	37.2	3.4	47.0	47.0	35.6	0.0	0.0	0.0
IncremntDel:	3.2	0.6	2.1	15.4	0.7	0.0	68.5	68.5	7.5	0.0	0.0	0.0
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
Delay/Veh:	71.7	55.9	59.3	68.6	37.9	3.4	115.5	116	43.1	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	71.7	55.9	59.3	68.6	37.9	3.4	115.5	116	43.1	0.0	0.0	0.0
LOS by Move:	E	E+	E+	E	D+	A	F	F	D	A	A	A
HCM2kAvgQ:	5	10	13	25	20	6	57	51	42	0	0	0

City of San Jose
Citywide Traffix Database
(updated December 1, 2016)

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #3712 MOORPARK/THORNTON

Cycle (sec):	100	Critical Vol./Cap.(X):	0.650
Loss Time (sec):	9	Average Delay (sec/veh):	17.4
Optimal Cycle:	45	Level Of Service:	B

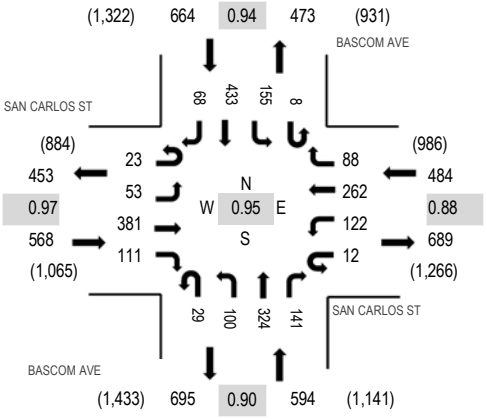
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Ovl			Include			Include			Include		
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0 1	0	0 1	0	0	1! 0	0	1 0	1 1	0	1 0	1 1 0
Volume Module: >> Count Date: 26 Oct 2016 << 5:00-6:00												
Base Vol:	223	18	31	8	45	123	42	1362	279	24	780	12
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	223	18	31	8	45	123	42	1362	279	24	780	12
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	223	18	31	8	45	123	42	1362	279	24	780	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	223	18	31	8	45	123	42	1362	279	24	780	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	223	18	31	8	45	123	42	1362	279	24	780	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	223	18	31	8	45	123	42	1362	279	24	780	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	0.93	0.07	1.00	0.04	0.26	0.70	1.00	1.65	0.35	1.00	1.97	0.03
Final Sat.:	1666	134	1750	80	447	1223	1750	3070	629	1750	3644	56
Capacity Analysis Module:												
Vol/Sat:	0.13	0.13	0.02	0.10	0.10	0.10	0.02	0.44	0.44	0.01	0.21	0.21
Crit Moves:		****						****		****		
Green Time:	19.5	19.5	26.5	19.5	19.5	19.5	17.6	64.5	64.5	7.0	53.9	53.9
Volume/Cap:	0.69	0.69	0.07	0.52	0.52	0.52	0.14	0.69	0.69	0.20	0.40	0.40
Delay/Veh:	43.1	43.1	27.6	37.4	37.4	37.4	35.0	12.2	12.2	44.6	13.7	13.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.1	43.1	27.6	37.4	37.4	37.4	35.0	12.2	12.2	44.6	13.7	13.7
LOS by Move:	D	D	C	D+	D+	D+	C-	B	B	D	B	B
HCM2k95thQ:	16	16	2	11	11	11	3	30	30	2	14	14

Note: Queue reported is the number of cars per lane.

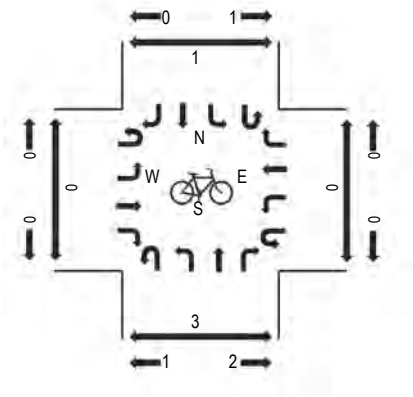
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 1 BASCOM AVE & SAN CARLOS ST PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:00 PM - 05:00 PM
Peak 15-Minutes: 04:15 PM - 04:30 PM

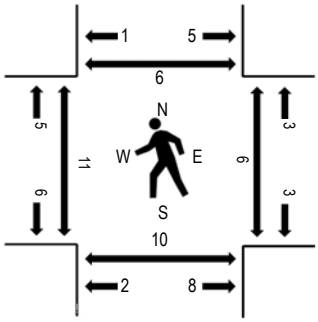
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	SAN CARLOS ST Eastbound				SAN CARLOS ST Westbound				BASCOM AVE Northbound				BASCOM AVE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	3	10	95	33	2	25	61	19	4	28	98	35	4	43	125	18	603	2,310	1	4	4	2
4:15 PM	5	17	99	25	3	43	79	28	10	20	76	47	2	34	104	18	610	2,298	2	1	3	0
4:30 PM	7	13	99	27	6	31	60	22	6	24	83	24	1	38	98	15	554	2,257	3	0	3	0
4:45 PM	8	13	88	26	1	23	62	19	9	28	67	35	1	40	106	17	543	2,264	5	1	0	4
5:00 PM	8	9	82	28	1	33	66	19	7	27	93	36	4	30	130	18	591	2,204	1	2	0	1
5:15 PM	12	12	92	27	2	34	57	25	2	10	82	28	2	39	124	21	569		0	4	6	1
5:30 PM	4	16	77	29	0	40	78	25	11	18	63	34	0	30	119	17	561		2	2	3	0
5:45 PM	5	9	62	25	4	36	56	26	6	24	71	35	2	25	87	10	483		0	2	3	2

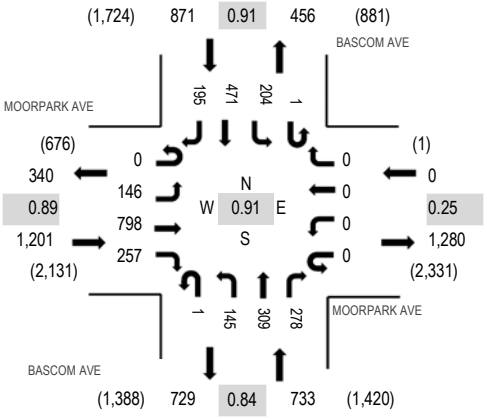
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	2
Bikes on Road	0	0	6	0	0	0	2	0	0	0	0	0	0	0	1	0	9
Lights	23	52	364	111	12	122	253	88	29	97	321	141	8	155	429	68	2,273
Mediums	0	1	10	0	0	0	7	0	0	2	3	0	0	0	3	0	26
Total	23	53	381	111	12	122	262	88	29	100	324	141	8	155	433	68	2,310

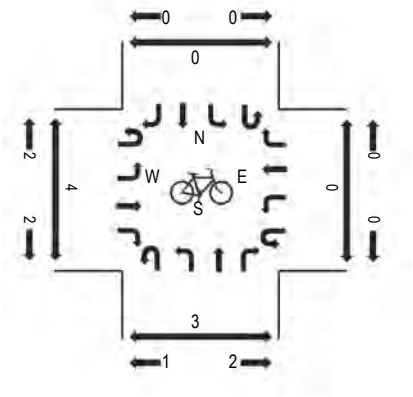
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 2 BASCOM AVE & MOORPARK AVE PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

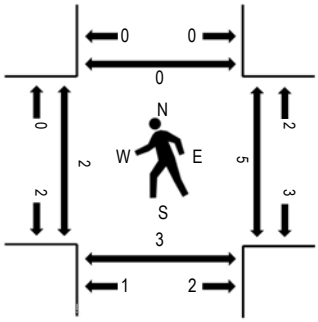
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MOORPARK AVE Eastbound				MOORPARK AVE Westbound				BASCOM AVE Northbound				BASCOM AVE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	29	199	51	0	0	0	0	0	37	86	58	0	55	119	45	679	2,684	0	1	0	0
4:15 PM	0	33	137	37	0	0	0	0	0	31	93	47	0	44	137	41	600	2,772	0	3	1	0
4:30 PM	0	37	230	72	0	0	0	0	1	39	71	81	0	46	95	49	721	2,805	0	0	0	0
4:45 PM	0	39	155	72	0	0	0	0	0	31	81	59	0	44	149	54	684	2,714	1	1	1	0
5:00 PM	0	43	218	60	0	0	0	0	0	48	89	90	1	56	119	43	767	2,592	0	1	1	0
5:15 PM	0	27	195	53	0	0	0	0	0	27	68	48	0	58	108	49	633		1	3	1	0
5:30 PM	0	25	162	57	0	0	0	0	0	33	71	59	0	58	111	54	630		0	0	0	0
5:45 PM	0	18	130	52	0	0	1	0	0	42	70	60	0	42	95	52	562		0	2	0	0

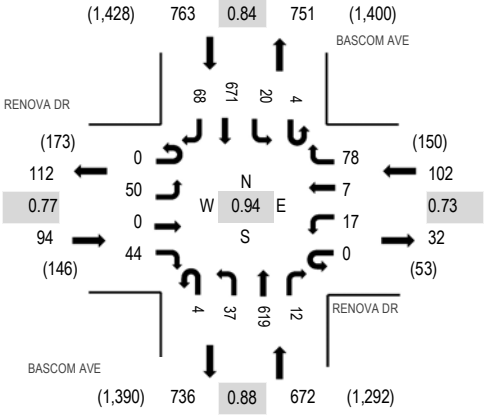
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Bikes on Road	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	2
Lights	0	146	791	253	0	0	0	0	1	145	304	277	1	203	465	195	2,781
Mediums	0	0	6	4	0	0	0	0	0	0	4	1	0	1	5	0	21
Total	0	146	798	257	0	0	0	0	1	145	309	278	1	204	471	195	2,805

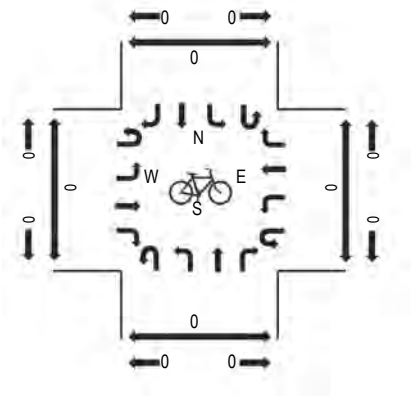
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 3 BASCOM AVE & RENOVA DR PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:15 PM - 05:15 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

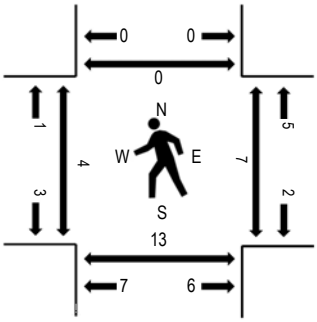
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	RENOVA DR Eastbound				RENOVA DR Westbound				BASCOM AVE Northbound				BASCOM AVE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	12	3	14	0	2	0	9	0	5	150	5	1	4	152	13	370	1,569	0	3	3	1
4:15 PM	0	10	0	11	0	8	2	11	2	11	151	6	1	9	146	19	387	1,631	1	2	1	0
4:30 PM	0	14	0	18	0	5	3	27	1	9	143	0	2	5	156	13	396	1,561	1	0	3	0
4:45 PM	0	10	0	7	0	1	1	14	1	12	141	3	1	4	197	24	416	1,526	1	1	4	0
5:00 PM	0	16	0	8	0	3	1	26	0	5	184	3	0	2	172	12	432	1,447	1	4	5	0
5:15 PM	0	9	0	5	0	2	0	11	1	9	123	1	0	2	144	10	317		2	2	6	0
5:30 PM	0	1	0	2	0	1	0	9	1	8	150	2	0	1	182	4	361		0	3	7	0
5:45 PM	0	2	0	4	0	3	1	10	0	3	162	0	0	3	141	8	337		0	4	1	1

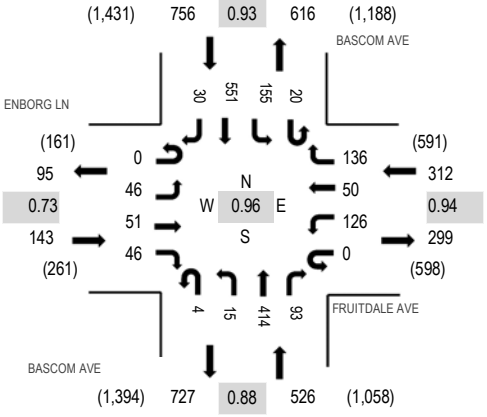
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Lights	0	50	0	44	0	17	7	78	4	37	612	12	4	20	663	68	1,616
Mediums	0	0	0	0	0	0	0	0	0	0	7	0	0	0	6	0	13
Total	0	50	0	44	0	17	7	78	4	37	619	12	4	20	671	68	1,631

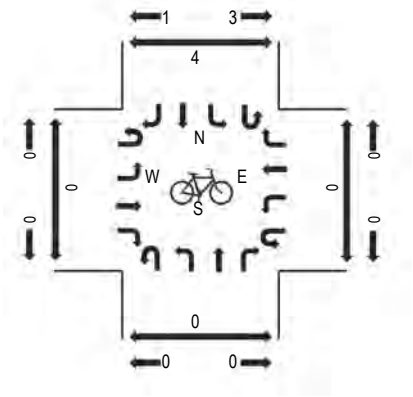
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 4 BASCOM AVE & FRUITDALE AVE PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:15 PM - 05:15 PM
Peak 15-Minutes: 04:45 PM - 05:00 PM

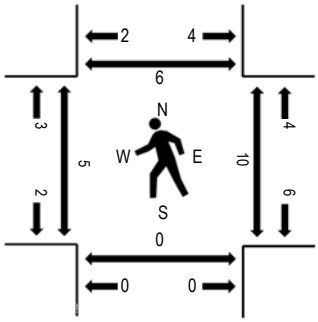
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	ENBORG LN Eastbound				FRUITDALE AVE Westbound				BASCOM AVE Northbound				BASCOM AVE Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	6	17	11	0	39	9	36	1	1	98	38	6	26	131	6	425	1,723	0	2	1	2
4:15 PM	0	3	14	13	0	32	10	33	2	4	118	29	5	36	128	5	432	1,737	0	4	0	0
4:30 PM	0	11	14	12	0	34	7	37	0	5	81	19	7	42	136	9	414	1,690	1	1	0	2
4:45 PM	0	8	13	5	0	28	19	33	1	2	120	20	7	41	150	5	452	1,686	0	2	0	3
5:00 PM	0	24	10	16	0	32	14	33	1	4	95	25	1	36	137	11	439	1,618	4	3	0	1
5:15 PM	0	4	16	12	1	35	10	33	1	3	77	29	4	33	124	3	385		1	0	0	2
5:30 PM	0	10	13	4	0	21	6	23	3	2	113	34	6	38	134	3	410		2	3	0	0
5:45 PM	0	11	7	7	0	27	7	32	1	3	107	21	6	26	116	13	384		1	6	0	2

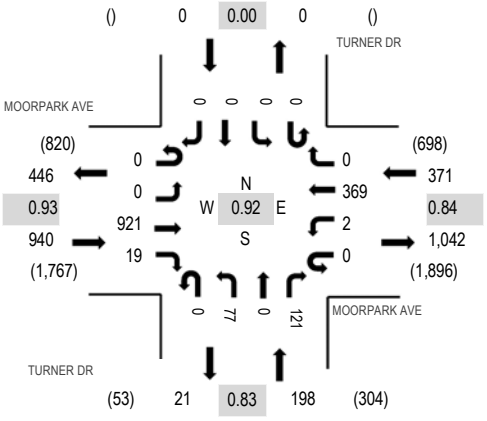
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	45	49	46	0	125	44	135	4	15	408	92	20	151	545	30	1,709
Mediums	0	1	2	0	0	1	6	1	0	0	5	1	0	4	5	0	26
Total	0	46	51	46	0	126	50	136	4	15	414	93	20	155	551	30	1,737

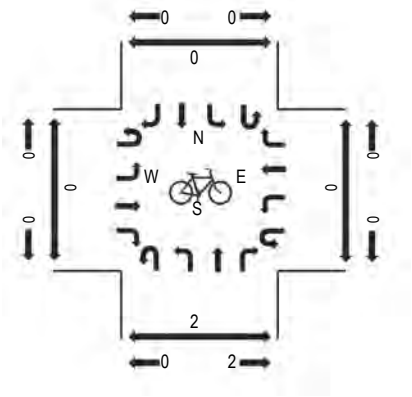
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 5 TURNER DR & MOORPARK AVE PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

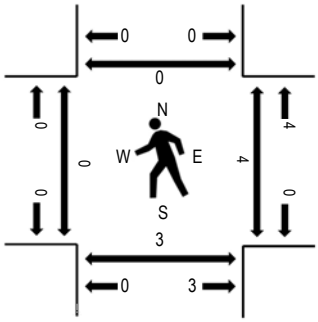
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MOORPARK AVE Eastbound				MOORPARK AVE Westbound				TURNER DR Northbound				TURNER DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	0	227	3	0	2	77	0	0	21	0	20	0	0	0	0	350	1,393	0	0	0	0
4:15 PM	0	0	190	6	0	2	78	0	0	12	0	9	0	0	0	0	297	1,455	0	0	1	0
4:30 PM	0	0	251	2	0	0	90	0	0	16	0	44	0	0	0	0	403	1,509	0	1	2	0
4:45 PM	0	0	210	7	0	1	81	0	0	17	0	27	0	0	0	0	343	1,432	0	0	1	0
5:00 PM	0	0	241	5	0	1	109	0	0	25	0	31	0	0	0	0	412	1,376	0	2	0	0
5:15 PM	0	0	219	5	0	0	89	0	0	19	0	19	0	0	0	0	351		0	1	0	0
5:30 PM	0	0	202	10	0	1	78	0	0	14	0	21	0	0	0	0	326		0	0	2	0
5:45 PM	0	0	181	8	0	0	89	0	0	5	0	4	0	0	0	0	287		0	0	1	0

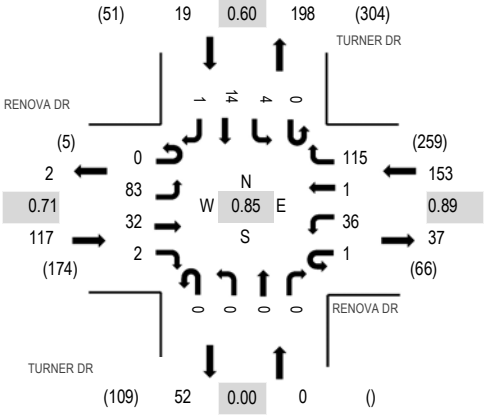
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	3	0	0	0	1	0	0	1	0	0	0	0	0	0	5
Lights	0	0	912	19	0	2	368	0	0	76	0	120	0	0	0	0	1,497
Mediums	0	0	6	0	0	0	0	0	0	0	0	1	0	0	0	0	7
Total	0	0	921	19	0	2	369	0	0	77	0	121	0	0	0	0	1,509

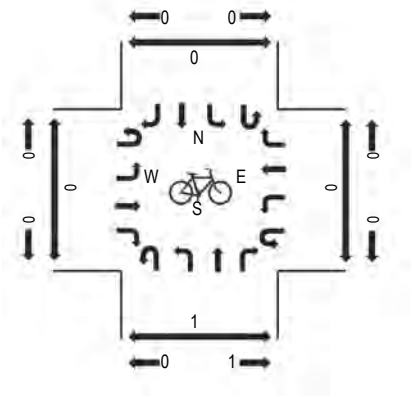
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 6 TURNER DR & RENOVA DR PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

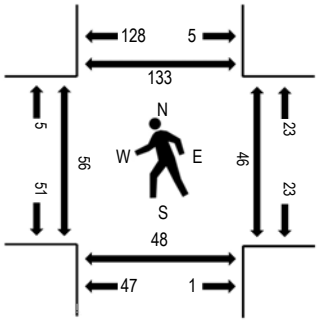
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	RENOVA DR Eastbound				RENOVA DR Westbound				TURNER DR Northbound				TURNER DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	16	9	1	0	7	0	28	0	0	0	0	0	2	1	0	64	264	1	6	10	8
4:15 PM	0	6	6	0	0	16	0	13	0	0	0	0	0	3	6	0	50	285	4	11	7	9
4:30 PM	0	29	12	0	0	6	0	35	0	0	0	0	0	1	0	0	83	289	15	13	14	40
4:45 PM	0	17	4	0	1	14	0	23	0	0	0	0	0	3	4	1	67	263	14	7	11	15
5:00 PM	0	28	8	1	0	9	0	34	0	0	0	0	0	0	5	0	85	220	14	14	17	57
5:15 PM	0	9	8	1	0	7	1	23	0	0	0	0	0	0	5	0	54		13	12	6	21
5:30 PM	0	10	2	0	0	6	2	24	0	0	0	0	0	2	11	0	57		14	8	11	28
5:45 PM	0	3	4	0	0	4	0	6	0	0	0	0	0	1	5	1	24		5	8	4	10

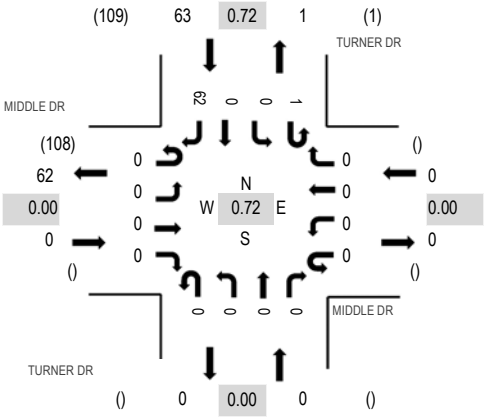
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Lights	0	83	32	2	1	36	1	113	0	0	0	0	0	4	14	1	287
Mediums	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Total	0	83	32	2	1	36	1	115	0	0	0	0	0	4	14	1	289

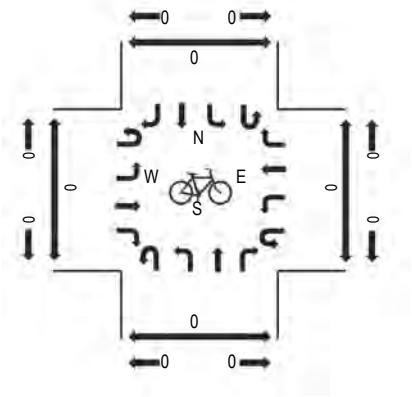
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 7 TURNER DR & MIDDLE DR PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:15 PM - 05:15 PM
Peak 15-Minutes: 04:15 PM - 04:30 PM

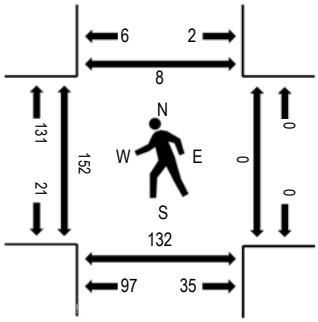
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MIDDLE DR Eastbound				MIDDLE DR Westbound				TURNER DR Northbound				TURNER DR Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	57	35	0	52	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	63	33	0	36	2
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	53	51	0	45	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	60	22	0	20	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	14	15	52	46	0	31	4
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12		16	0	24	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16		19	0	28	5
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9		20	0	22	0

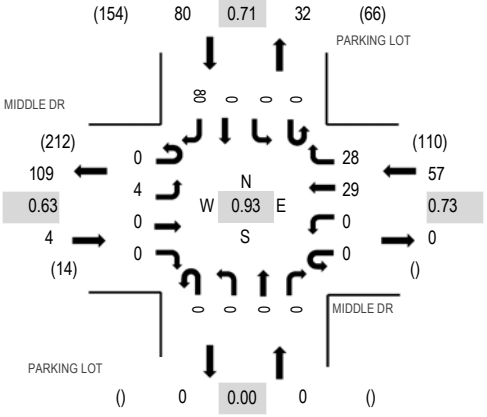
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	62	63
Mediums	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	62	63

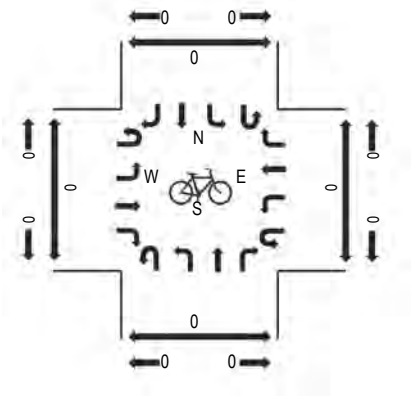
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 8 PARKING LOT & MIDDLE DR PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:00 PM - 05:00 PM
Peak 15-Minutes: 04:00 PM - 04:15 PM

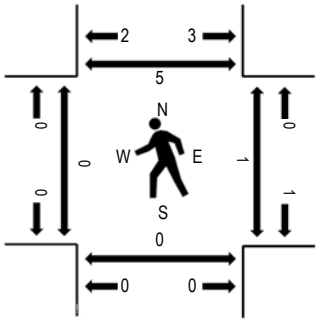
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MIDDLE DR Eastbound				MIDDLE DR Westbound				PARKING LOT Northbound				PARKING LOT Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	1	0	0	0	0	4	5	0	0	0	0	0	0	0	28	38	141	0	0	0	2
4:15 PM	0	0	0	0	0	0	8	13	0	0	0	0	0	0	0	9	30	140	0	1	0	1
4:30 PM	0	1	0	0	0	0	4	4	0	0	0	0	0	0	0	26	35	137	0	0	0	2
4:45 PM	0	2	0	0	0	0	13	6	0	0	0	0	0	0	0	17	38	140	0	0	0	0
5:00 PM	0	3	0	0	0	0	9	4	0	0	0	0	0	0	0	21	37	137	0	0	0	0
5:15 PM	0	2	0	0	0	0	6	5	0	0	0	0	0	0	0	14	27		0	0	0	1
5:30 PM	0	1	0	0	0	0	8	9	0	0	0	0	0	0	0	20	38		0	0	0	0
5:45 PM	0	4	0	0	0	0	6	6	0	0	0	0	0	0	0	19	35		0	0	0	2

Peak Rolling Hour Flow Rates

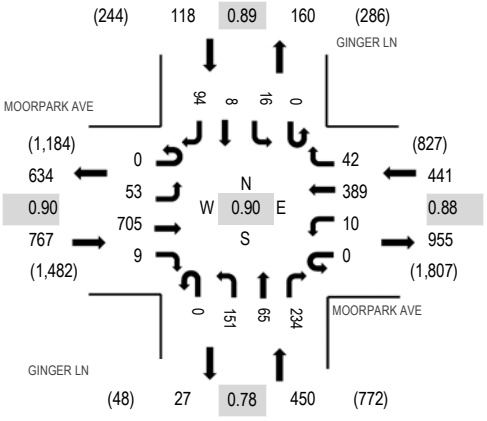
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	4	0	0	0	0	29	28	0	0	0	0	0	0	0	80	141
Mediums	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	4	0	0	0	0	29	28	0	0	0	0	0	0	0	80	141

ALL TRAFFIC DATA SERVICES

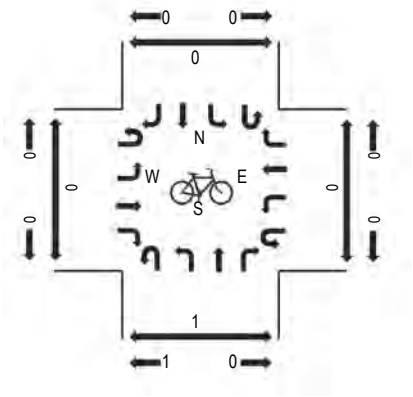
(303) 216-2439
www.alltrafficdata.net

Location: 9 GINGER LN & MOORPARK AVE PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

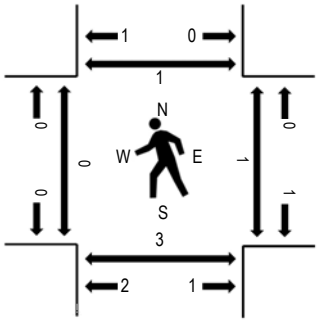
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MOORPARK AVE Eastbound				MOORPARK AVE Westbound				GINGER LN Northbound				GINGER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	12	175	2	0	1	89	10	0	30	14	59	0	5	2	25	424	1,669	1	0	1	1
4:15 PM	0	10	153	3	0	2	85	4	0	19	14	34	0	9	4	17	354	1,738	0	0	2	1
4:30 PM	0	10	180	4	0	2	95	9	0	43	22	79	0	6	2	13	465	1,776	0	0	3	0
4:45 PM	0	12	169	2	0	3	96	10	0	42	10	49	0	3	2	28	426	1,706	0	1	0	1
5:00 PM	0	15	196	2	0	3	109	13	0	39	22	64	0	5	1	24	493	1,656	0	0	0	0
5:15 PM	0	16	160	1	0	2	89	10	0	27	11	42	0	2	3	29	392		0	0	0	0
5:30 PM	0	15	160	0	0	3	94	7	0	27	13	48	0	4	0	24	395		0	0	1	1
5:45 PM	0	16	168	1	0	1	87	3	0	23	8	33	0	4	2	30	376		0	0	0	0

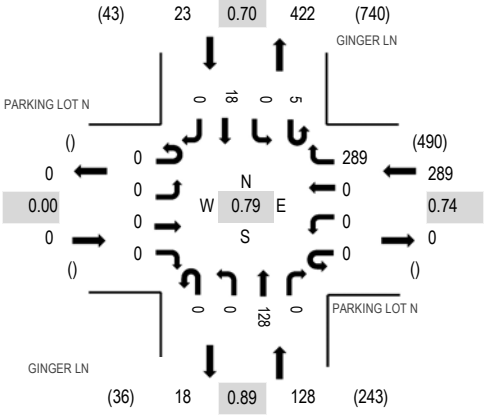
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	4	0	0	0	2	1	0	0	0	0	0	0	0	0	7
Lights	0	53	696	9	0	10	387	41	0	149	65	228	0	16	8	93	1,755
Mediums	0	0	5	0	0	0	0	0	0	2	0	6	0	0	0	1	14
Total	0	53	705	9	0	10	389	42	0	151	65	234	0	16	8	94	1,776

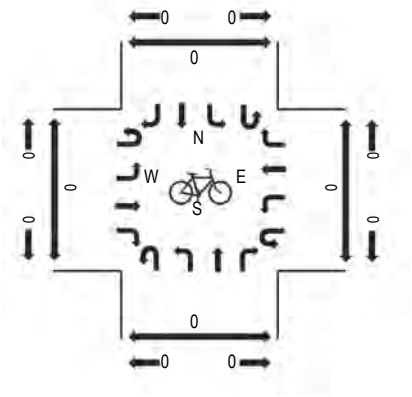
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 10 GINGER LN & PARKING LOT N PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 04:30 PM - 04:45 PM

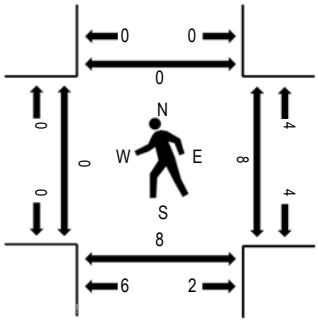
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PARKING LOT N Eastbound				PARKING LOT N Westbound				GINGER LN Northbound				GINGER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	0	0	0	0	0	0	70	0	0	32	0	0	0	3	0	105	418	0	4	4	0
4:15 PM	0	0	0	0	0	0	0	43	0	0	21	0	0	0	10	0	74	435	0	2	1	0
4:30 PM	0	0	0	0	0	0	0	97	0	0	36	0	1	0	5	0	139	440	0	4	3	0
4:45 PM	0	0	0	0	0	0	0	57	0	0	36	0	2	0	5	0	100	389	0	2	1	0
5:00 PM	0	0	0	0	0	0	0	84	0	0	33	0	1	0	4	0	122	358	0	0	1	0
5:15 PM	0	0	0	0	0	0	0	51	0	0	23	0	1	0	4	0	79		0	2	3	0
5:30 PM	0	0	0	0	0	0	0	50	0	0	34	0	2	0	2	0	88		0	2	1	0
5:45 PM	0	0	0	0	0	0	0	38	0	0	28	0	0	0	3	0	69		0	0	0	0

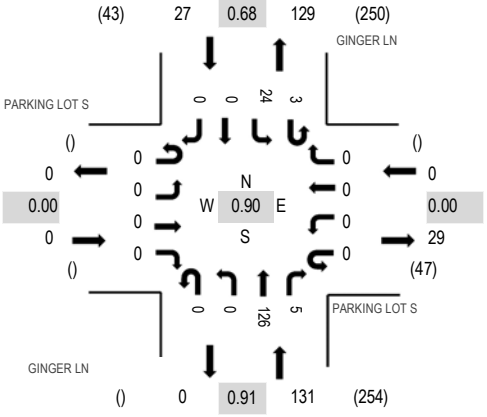
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	0	0	0	0	0	0	289	0	0	120	0	5	0	18	0	432
Mediums	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Total	0	0	0	0	0	0	0	289	0	0	128	0	5	0	18	0	440

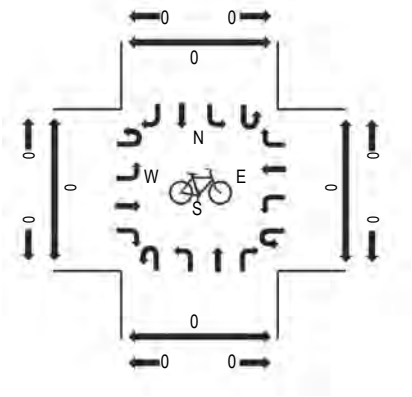
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 11 GINGER LN & PARKING LOT S PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:00 PM - 05:00 PM
Peak 15-Minutes: 04:45 PM - 05:00 PM

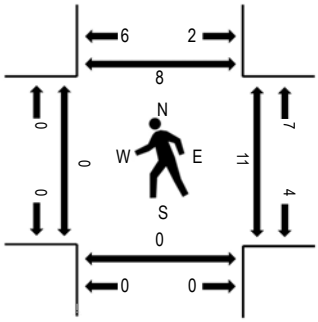
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	PARKING LOT S Eastbound				PARKING LOT S Westbound				GINGER LN Northbound				GINGER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	0	0	0	0	0	0	0	0	0	33	2	0	4	0	0	39	158	0	4	0	5
4:15 PM	0	0	0	0	0	0	0	0	0	0	22	0	0	10	0	0	32	157	0	3	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	36	1	1	5	0	0	43	156	0	3	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	35	2	2	5	0	0	44	149	0	1	0	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	32	2	1	3	0	0	38	139	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	25	1	1	4	0	0	31		0	1	0	4
5:30 PM	0	0	0	0	0	0	0	0	0	0	31	1	2	2	0	0	36		0	1	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	29	2	0	3	0	0	34		0	0	0	0

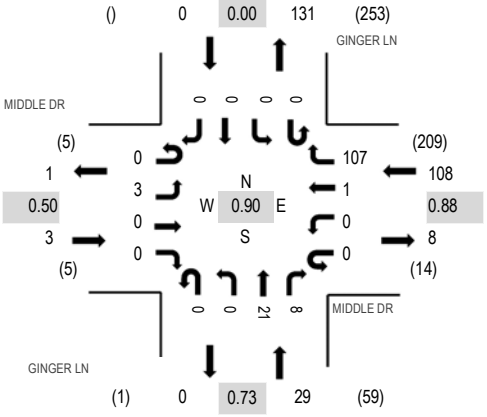
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	0	0	0	0	0	0	0	0	0	117	5	3	24	0	0	149
Mediums	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	9
Total	0	0	0	0	0	0	0	0	0	0	126	5	3	24	0	0	158

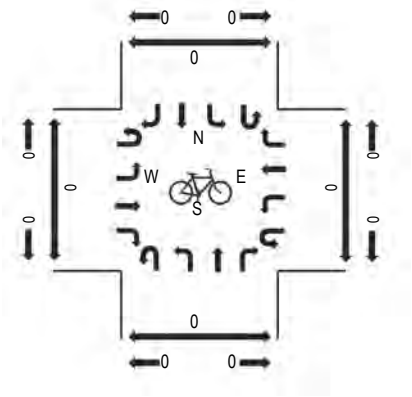
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 12 GINGER LN & MIDDLE DR PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 04:45 PM - 05:00 PM

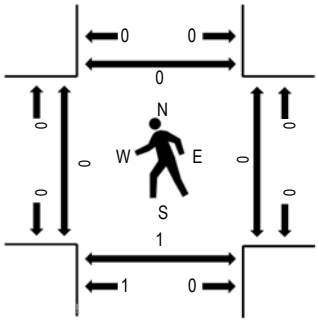
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MIDDLE DR Eastbound				MIDDLE DR Westbound				GINGER LN Northbound				GINGER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	0	0	0	0	0	1	31	0	0	4	1	0	0	0	0	37	135	0	1	1	2
4:15 PM	0	0	0	0	0	1	0	16	0	0	6	0	0	0	0	0	23	137	0	2	0	0
4:30 PM	0	1	0	0	0	0	1	26	0	0	7	1	0	0	0	0	36	140	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	31	0	0	6	2	0	0	0	0	39	140	0	0	0	0
5:00 PM	0	1	0	0	0	0	0	30	0	0	5	3	0	0	0	0	39	138	0	0	0	0
5:15 PM	0	1	0	0	0	0	0	20	0	0	3	2	0	0	0	0	26		0	0	1	0
5:30 PM	0	0	0	0	0	0	1	27	0	0	7	1	0	0	0	0	36		0	1	0	0
5:45 PM	0	2	0	0	0	0	2	22	0	0	7	4	0	0	0	0	37		0	0	0	0

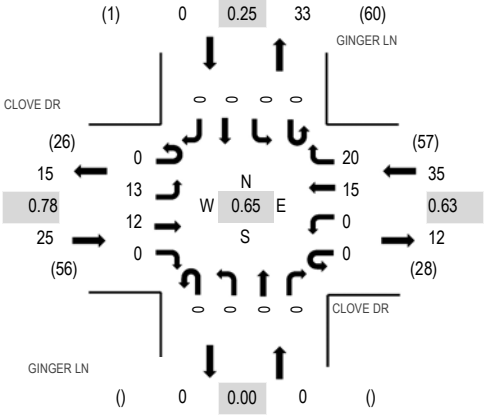
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Lights	0	3	0	0	0	0	1	106	0	0	13	8	0	0	0	0	131
Mediums	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Total	0	3	0	0	0	0	1	107	0	0	21	8	0	0	0	0	140

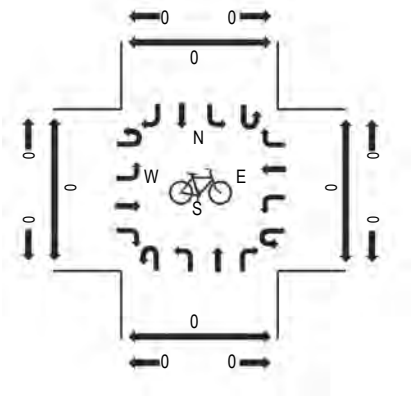
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 13 GINGER LN & CLOVE DR PM
Date: Tuesday, September 15, 2020
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:45 PM - 06:00 PM

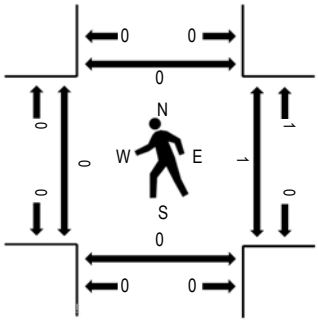
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	CLOVE DR Eastbound				CLOVE DR Westbound				GINGER LN Northbound				GINGER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	4	6	0	0	0	3	1	0	0	0	0	0	0	0	0	14	54	0	1	0	2
4:15 PM	0	4	1	0	0	0	1	2	0	0	0	0	0	1	0	0	9	50	0	0	0	1
4:30 PM	0	4	6	0	0	0	3	4	0	0	0	0	0	0	0	0	17	53	0	0	0	0
4:45 PM	0	4	2	0	0	0	4	4	0	0	0	0	0	0	0	0	14	51	0	0	0	0
5:00 PM	0	3	2	0	0	0	0	5	0	0	0	0	0	0	0	0	10	60	0	0	0	0
5:15 PM	0	1	2	0	0	0	5	4	0	0	0	0	0	0	0	0	12		0	0	0	0
5:30 PM	0	4	4	0	0	0	3	4	0	0	0	0	0	0	0	0	15		0	1	0	0
5:45 PM	0	5	4	0	0	0	7	7	0	0	0	0	0	0	0	0	23		0	0	0	0

Peak Rolling Hour Flow Rates

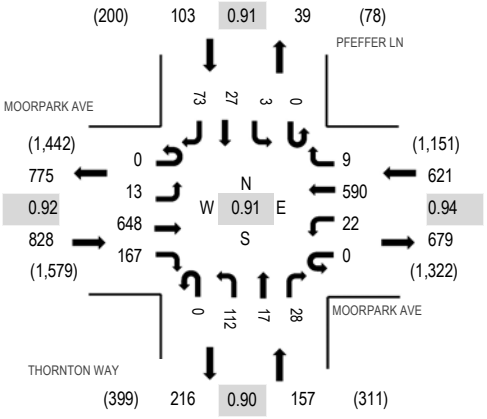
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	5	12	0	0	0	15	20	0	0	0	0	0	0	0	0	52
Mediums	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	0	13	12	0	0	0	15	20	0	0	0	0	0	0	0	0	60

ALL TRAFFIC DATA SERVICES

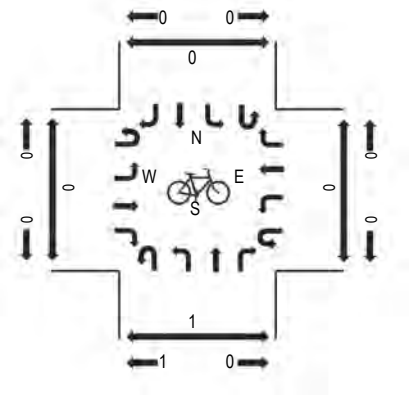
(303) 216-2439
www.alltrafficdata.net

Location: 14 THORNTON WAY & MOORPARK AVE PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

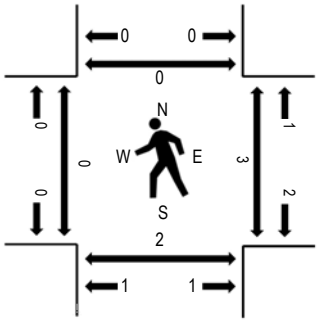
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	MOORPARK AVE Eastbound				MOORPARK AVE Westbound				THORNTON WAY Northbound				PFEFFER LN Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	6	168	27	0	12	133	0	0	27	4	8	0	0	6	7	398	1,570	1	0	0	1
4:15 PM	0	3	144	27	0	3	114	2	0	25	1	7	0	0	8	18	352	1,639	0	2	0	0
4:30 PM	0	4	159	35	0	2	147	3	0	24	6	5	0	0	8	10	403	1,709	0	3	2	0
4:45 PM	0	2	152	45	0	8	146	2	0	25	5	4	0	0	6	22	417	1,692	0	0	0	0
5:00 PM	0	4	181	39	0	3	161	1	0	35	0	12	0	2	5	24	467	1,671	0	0	0	0
5:15 PM	0	3	156	48	0	9	136	3	0	28	6	7	0	1	8	17	422		0	0	0	0
5:30 PM	0	2	139	38	0	6	126	0	0	31	3	9	0	1	8	23	386		0	1	0	0
5:45 PM	0	11	153	33	0	6	128	0	0	22	7	10	0	4	9	13	396		0	0	0	0

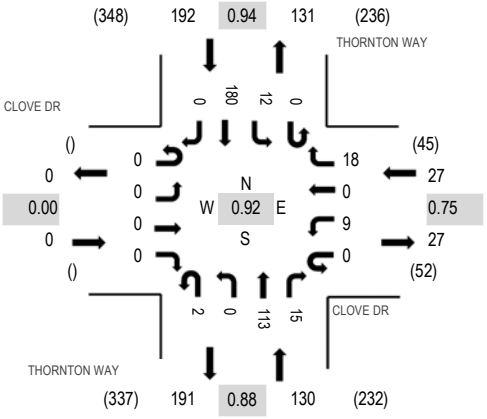
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	4	1	0	0	3	0	0	0	0	0	0	0	0	1	9
Lights	0	13	640	164	0	22	585	9	0	112	17	28	0	3	26	71	1,690
Mediums	0	0	4	2	0	0	2	0	0	0	0	0	0	0	1	1	10
Total	0	13	648	167	0	22	590	9	0	112	17	28	0	3	27	73	1,709

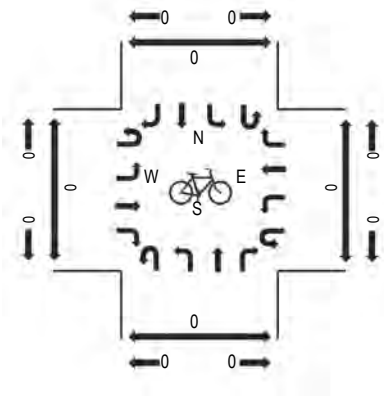
ALL TRAFFIC DATA SERVICES
(303) 216-2439
www.alltrafficdata.net

Location: 15 THORNTON WAY & CLOVE DR PM
Date: Tuesday, September 15, 2020
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

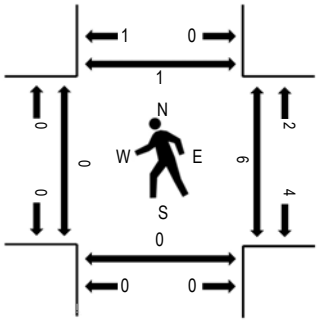
Peak Hour - Motorized Vehicles



Peak Hour - Bicycles



Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

Traffic Counts - Motorized Vehicles

Interval Start Time	CLOVE DR Eastbound				CLOVE DR Westbound				THORNTON WAY Northbound				THORNTON WAY Southbound					Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00 PM	0	0	0	0	0	1	0	6	0	0	23	3	0	5	40	0	78	310	0	2	0	0
4:15 PM	0	0	0	0	0	2	0	3	0	0	24	4	0	3	30	0	66	327	0	3	0	0
4:30 PM	0	0	0	0	0	2	0	5	0	0	29	1	0	3	38	0	78	349	0	4	0	1
4:45 PM	0	0	0	0	0	3	0	2	1	0	25	5	0	4	48	0	88	344	0	0	0	0
5:00 PM	0	0	0	0	0	2	0	4	0	0	30	7	0	1	51	0	95	315	0	0	0	0
5:15 PM	0	0	0	0	0	2	0	7	1	0	29	2	0	4	43	0	88		0	2	0	0
5:30 PM	0	0	0	0	0	1	0	3	0	0	23	2	0	3	41	0	73		0	1	0	0
5:45 PM	0	0	0	0	0	0	0	2	0	0	21	2	0	3	31	0	59		0	1	0	1

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bikes on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Lights	0	0	0	0	0	9	0	18	2	0	113	10	0	10	178	0	340
Mediums	0	0	0	0	0	0	0	0	0	0	0	5	0	2	1	0	8
Total	0	0	0	0	0	9	0	18	2	0	113	15	0	12	180	0	349

City of San Jose
Citywide Traffix Database
(updated December 1, 2016)

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #5009 BASCOM/FRUITDALE

Cycle (sec):	140	Critical Vol./Cap.(X):	0.749
Loss Time (sec):	9	Average Delay (sec/veh):	44.1
Optimal Cycle:	62	Level Of Service:	D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1 0	2	1 0	1 0	2	1 0	0 1	0	1 0	0 1	0	1 0
Volume Module: >> Count Date: 7 May 2015 << 7:30-8:30												
Base Vol:	124	1391	83	158	442	90	59	45	49	146	220	520
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	124	1391	83	158	442	90	59	45	49	146	220	520
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	124	1391	83	158	442	90	59	45	49	146	220	520
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	124	1391	83	158	442	90	59	45	49	146	220	520
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	124	1391	83	158	442	90	59	45	49	146	220	520
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	124	1391	83	158	442	90	59	45	49	146	220	520
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.99	0.95	0.49	0.95	0.95	0.60	0.95	0.95
Lanes:	1.00	2.82	0.18	1.00	2.47	0.53	1.10	0.43	0.47	0.51	0.49	1.00
Final Sat.:	1750	5284	315	1750	4651	947	1018	776	845	581	876	1800
Capacity Analysis Module:												
Vol/Sat:	0.07	0.26	0.26	0.09	0.10	0.10	0.06	0.06	0.06	0.25	0.25	0.29
Crit Moves:		****		****				****				****
Green Time:	28.2	49.2	49.2	16.9	37.9	37.9	10.8	10.8	10.8	54.0	54.0	54.0
Volume/Cap:	0.35	0.75	0.75	0.75	0.35	0.35	0.75	0.75	0.75	0.65	0.65	0.75
Delay/Veh:	48.6	41.6	41.6	73.3	41.3	41.3	77.4	77.4	77.4	36.4	36.4	39.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	48.6	41.6	41.6	73.3	41.3	41.3	77.4	77.4	77.4	36.4	36.4	39.8
LOS by Move:	D	D	D	E	D	D	E-	E-	E-	D+	D+	D
HCM2k95thQ:	10	34	34	16	12	12	8	12	12	21	29	36

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #5009 BASCOM AVE/FRUITDALE AVE

Cycle (sec):	158	Critical Vol./Cap.(X):	0.651
Loss Time (sec):	12	Average Delay (sec/veh):	45.7
Optimal Cycle:	160	Level Of Service:	D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Split Phase			Split Phase		
Rights:		Ovl			Ovl			Include			Ovl	
Min. Green:	8	45	45	35	72	72	27	32	32	36	31	31
Y+R:	5.1	5.1	5.1	5.0	5.1	5.1	5.4	5.4	5.4	5.2	5.2	5.2
Lanes:	1 0	2	1 0	1 0	2	1 0	0 1	0	1 0	0 1	1	0 1
Volume Module: >> Count Date: 11 Dec 2018 << 4:30 - 5:30 PM												
Base Vol:	42	625	153	320	1092	27	73	242	188	134	58	224
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	42	625	153	320	1092	27	73	242	188	134	58	224
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	42	625	153	320	1092	27	73	242	188	134	58	224
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	42	625	153	320	1092	27	73	242	188	134	58	224
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	625	153	320	1092	27	73	242	188	134	58	224
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	42	625	153	320	1092	27	73	242	188	134	58	224
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.99	0.95	0.92	0.98	0.95	0.49	0.95	0.95	0.58	1.00	0.92
Lanes:	1.00	2.39	0.61	1.00	2.92	0.08	0.50	0.84	0.66	1.00	1.00	1.00
Final Sat.:	1750	4497	1101	1750	5465	135	459	1523	1183	1100	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.14	0.14	0.18	0.20	0.20	0.16	0.16	0.16	0.12	0.03	0.13
Crit Moves:		****		****				****		****		
Green Time:	7.9	44.4	80.0	34.6	71.1	102.7	31.6	31.6	31.6	35.6	35.6	70.1
Volume/Cap:	0.48	0.49	0.27	0.84	0.44	0.31	0.79	0.79	0.79	0.54	0.14	0.29
Uniform Del:	74.0	48.0	22.7	59.8	30.2	12.2	60.9	60.9	60.9	54.7	49.6	28.4
IncremntDel:	4.1	0.2	0.1	14.7	0.1	0.0	6.9	6.9	6.9	1.7	0.0	0.2
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	78.1	48.2	22.7	74.5	30.4	12.3	67.7	67.7	67.7	56.4	49.6	28.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	78.1	48.2	22.7	74.5	30.4	12.3	67.7	67.7	67.7	56.4	49.6	28.6
LOS by Move:	E-	D	C+	E	C	B	E	E	E	E+	D	C
HCM2kAvgQ:	2	10	7	16	12	8	9	16	16	7	2	7

Appendix B
Intersection Volumes

Intersection Number: 1
Traffix Node Number: 3712
Intersection Name: Thornton Way and Moorpark Avenue
Peak Hour: AM
Date of Analysis: 09/23/20
Count Date: 10/26/16

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	Total
Existing Conditions	218	34	9	9	809	26	53	37	401	348	1251	37	*3232*
Approved Project Trips													
NSJ Legacy	0	0	0	0	2	0	0	0	0	1	9	0	*12*
863-917 Winchester Boulevard	0	0	0	0	11	0	0	0	0	0	46	0	*57*
Total Approved Trips	*0*	*0*	*0*	*0*	*13*	*0*	*0*	*0*	*0*	*1*	*55*	*0*	*69*
Background Conditions	218	34	9	9	822	26	53	37	401	349	1306	37	*3301*
Proposed Project Trips	*0*	*0*	*0*	*0*	*2*	*0*	*0*	*0*	*2*	*5*	*5*	*0*	*14*
Background + Project Conditions	218	34	9	9	824	26	53	37	403	354	1311	37	*3315*
													0

Intersection Number: 2
Traffix Node Number: 2
Intersection Name: Ginger Lane and Moorpark Avenue
Peak Hour: AM
Date of Analysis: 09/23/20
Count Date: 09/15/20

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	Total
Existing Conditions	170	240	112	28	730	163	263	72	85	240	1014	91	*3208*
Approved Project Trips													
NSJ Legacy	0	0	0	0	2	0	0	0	0	0	9	0	*11*
863-917 Winchester Boulevard	0	0	0	0	11	0	0	0	0	0	46	0	*57*
Total Approved Trips	*0*	*0*	*0*	*0*	*13*	*0*	*0*	*0*	*0*	*0*	*55*	*0*	*68*
Background Conditions	170	240	112	28	743	163	240	72	85	240	1069	91	*3253*
Proposed Project Trips	*0*	*18*	*0*	*0*	*0*	*1*	*4*	*6*	*2*	*5*	*0*	*0*	*36*
Background + Project Conditions	170	258	112	28	743	164	244	78	87	245	1069	91	*3289*
													0

Intersection Number: 3
Traffix Node Number: 3
Intersection Name: Ginger Lane and Middle Drive
Peak Hour: AM
Date of Analysis: 09/23/20
Count Date: 09/15/20

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	Total
Existing Conditions	0	0	0	254	6	0	74	144	0	0	0	4	*482*
Approved Project Trips													
NSJ Legacy	0	0	0	0	0	0	0	0	0	0	0	0	*0*
863-917 Winchester Boulevard	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Background Conditions	0	23	0	254	6	0	74	188	0	0	0	4	*549*
Proposed Project Trips	*0*	*23*	*0*	*0*	*0*	*0*	*0*	*11*	*0*	*0*	*0*	*0*	*34*
Background + Project Conditions (adj was garage relocation)	0	46	0	56	6	96	0	397	0	0	0	4	*605*
													0

Intersection Number: 4
Traffix Node Number: 4
Intersection Name: Ginger Lane and Clove Drive
Peak Hour: AM
Date of Analysis: 09/23/20
Count Date: 09/15/20

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	Total
Existing Conditions	0	0	0	148	57	2	0	0	0	2	36	72	*317*
Approved Project Trips													
NSJ Legacy	0	0	0	0	0	0	0	0	0	0	0	0	*0*
863-917 Winchester Boulevard	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	0
Background Conditions	0	23	0	148	57	2	0	44	0	2	36	72	*384*
Proposed Project Trips	*23*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*7*	*1*	*0*	*11*	*43*
Background + Project Conditions (adj was garage relocation)	119	23	0	148	58	2	0	44	86	3	36	281	*800*
													0

Intersection Number: 5
Traffix Node Number: 5012
Intersection Name: Bascom Avenue and Moorpark Avenue
Peak Hour: AM
Date of Analysis: 09/23/20
Count Date: 11/07/17

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	Total
Existing Conditions	486	722	242	0	0	0	235	1172	523	239	656	143	*4418*
Approved Project Trips													
NSJ Legacy	4	4	1	0	0	0	4	19	5	1	6	1	*45*
863-917 Winchester Boulevard	11	0	0	0	0	0	0	0	0	0	39	7	*57*
Total Approved Trips	*15*	*4*	*1*	*0*	*0*	*0*	*4*	*19*	*5*	*1*	*45*	*8*	102
Background Conditions	501	726	243	0	0	0	239	1191	528	240	701	151	*4520*
Proposed Project Trips	*2*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*3*	*1*	*6*
Background + Project Conditions	503	726	243	0	0	0	239	1191	528	240	704	152	*4526*
													0

Intersection Number: 6
Traffix Node Number: 5009
Intersection Name: Bascom Avenue and Fruitdale Avenue/Enborg Lane
Peak Hour: AM
Date of Analysis: 01/11/20
Count Date: 05/07/15

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	Total
Existing Conditions	95	464	166	546	231	153	87	1461	130	51	47	62	*3493*
Approved Project Trips													
NSJ Legacy	0	5	0	0	0	0	0	19	0	0	0	0	*24*
863-917 Winchester Boulevard	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*0*	*5*	*0*	*0*	*0*	*0*	*0*	*19*	*0*	*0*	*0*	*0*	24
Background Conditions	95	469	166	546	231	153	87	1480	130	51	47	62	*3517*
Proposed Project Trips	*0*	*0*	*0*	*0*	*4*	*0*	*0*	*0*	*4*	*0*	*1*	*0*	*9*
Background + Project Conditions	95	469	166	546	235	153	87	1480	134	51	48	62	*3526*
													0

Intersection Number: 1
Traffix Node Number: 3712
Intersection Name: Thornton Way and Moorpark Avenue
Peak Hour: PM — Date of Analysis: 09/23/20
Count Date: 10/26/16

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	*Total*
Existing Conditions	128	47	8	12	811	25	32	19	232	290	1416	44	*3064*
Approved Project Trips													
NSJ Legacy	0	0	0	0	11	0	0	0	0	0	5	0	*16*
863-917 Winchester Boulevard	0	0	0	0	51	0	0	0	0	0	25	0	*76*
Total Approved Trips	*0*	*0*	*0*	*0*	*62*	*0*	*0*	*0*	*0*	*0*	*30*	*0*	*92*
Background Conditions	128	47	8	12	873	25	32	19	232	290	1446	44	*3156*
Proposed Project Trips	*0*	*0*	*0*	*0*	*5*	*0*	*0*	*0*	*5*	*2*	*2*	*0*	*14*
Background + Project Conditions	128	47	8	12	878	25	32	19	237	292	1448	44	*3170*
													0

Intersection Number: 2
Traffix Node Number: 2
Intersection Name: Ginger Lane and Moorpark Avenue
Peak Hour: PM — Date of Analysis: 09/23/20
Count Date: 09/15/20

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	*Total*
Existing Conditions	199	17	34	89	625	21	396	138	320	19	1395	112	*3365*
Approved Project Trips													
NSJ Legacy	0	0	0	0	11	0	0	0	0	0	5	0	*16*
863-917 Winchester Boulevard	0	0	0	0	51	0	0	0	0	0	25	0	*76*
Total Approved Trips	*0*	*0*	*0*	*0*	*62*	*0*	*0*	*0*	*0*	*0*	*30*	*0*	*92*
Background Conditions	199	17	34	89	687	21	335	138	320	19	1425	112	*3396*
Proposed Project Trips	*0*	*7*	*0*	*0*	*0*	*0*	*9*	*15*	*5*	*2*	*0*	*0*	*38*
Background + Project Conditions	199	24	34	89	687	21	344	153	325	21	1425	112	*3434*
													0

Intersection Number: 3
Traffix Node Number: 3
Intersection Name: Ginger Lane and Middle Drive
Peak Hour: PM — Date of Analysis: 09/23/20
Count Date: 09/15/20

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	*Total*
Existing Conditions	0	0	0	227	2	0	17	45	0	0	0	6	*297*
Approved Project Trips													
NSJ Legacy	0	0	0	0	0	0	0	0	0	0	0	0	*0*
863-917 Winchester Boulevard	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
Background Conditions	0	61	0	227	2	0	17	66	0	0	0	6	*379*
Proposed Project Trips	*0*	*9*	*0*	*0*	*0*	*0*	*0*	*29*	*0*	*0*	*0*	*0*	*38*
Background + Project Conditions (adj was garage relocation)	0	70	0	57	2	60	8	265	0	0	0	6	*468*
													0

Intersection Number: 4
Traffix Node Number: 4
Intersection Name: Ginger Lane and Clove Drive
Peak Hour: PM
Date of Analysis: 09/23/20
Count Date: 09/15/20

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	*Total*
Existing Conditions	0	0	0	42	32	0	0	0	0	0	25	28	*127*
Approved Project Trips													
NSJ Legacy	0	0	0	0	0	0	0	0	0	0	0	0	*0*
863-917 Winchester Boulevard	0	0	0	0	0	0	0	0	0	0	0	0	*0*
Total Approved Trips	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	0
Background Conditions	0	61	0	42	32	0	0	21	0	0	25	28	*209*
Proposed Project Trips	*9*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*3*	*4*	*0*	*29*	*45*
Background + Project Conditions (adj was garage relocation)	69	61	0	42	32	0	0	21	12	4	25	227	*493*
													0

Intersection Number: 5
Traffix Node Number: 5012
Intersection Name: Bascom Avenue and Moorpark Avenue
Peak Hour: PM
Date of Analysis: 09/23/20
Count Date: 12/11/18

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	*Total*
Existing Conditions	332	1178	453	0	0	0	270	478	191	387	922	229	*4440*
Approved Project Trips													
NSJ Legacy	4	19	5	0	0	0	3	6	2	1	5	0	*45*
863-917 Winchester Boulevard	50	0	0	0	0	0	0	0	1	1	21	4	*77*
Total Approved Trips	*54*	*19*	*5*	*0*	*0*	*0*	*3*	*6*	*3*	*2*	*26*	*4*	122
Background Conditions	386	1197	458	0	0	0	273	484	194	389	948	233	*4562*
Proposed Project Trips	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*7*	*2*	*10*
Background + Project Conditions	387	1197	458	0	0	0	273	484	194	389	955	235	*4572*
													0

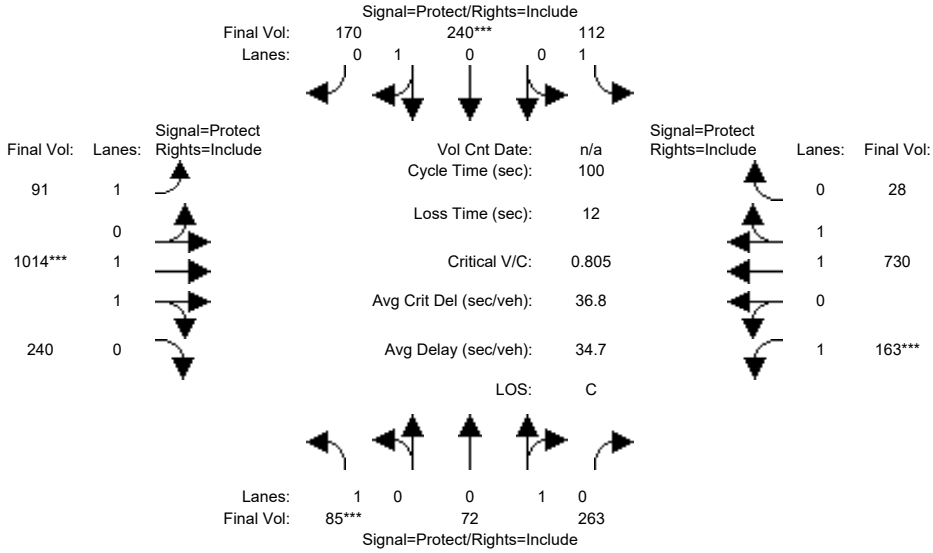
Intersection Number: 6
Traffix Node Number: 5009
Intersection Name: Bascom Avenue and Fruitdale Avenue/Enborg Lane
Peak Hour: PM
Date of Analysis: 01/11/20
Count Date: 12/13/18

Scenario	Southbound Approach RT	Southbound Approach TH	Southbound Approach LT	Westbound Approach RT	Westbound Approach TH	Westbound Approach LT	Northbound Approach RT	Northbound Approach TH	Northbound Approach LT	Eastbound Approach RT	Eastbound Approach TH	Eastbound Approach LT	*Total*
Existing Conditions	27	1092	320	224	58	134	153	625	42	188	242	73	*3178*
Approved Project Trips													
NSJ Legacy	0	20	0	0	0	0	0	6	0	0	0	0	*26*
863-917 Winchester Boulevard	0	1	0	0	0	0	0	0	0	0	0	0	*1*
Total Approved Trips	*0*	*21*	*0*	*0*	*0*	*0*	*0*	*6*	*0*	*0*	*0*	*0*	27
Background Conditions	27	1113	320	224	58	134	153	631	42	188	242	73	*3205*
Proposed Project Trips	*0*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*1*	*0*	*4*	*0*	*6*
Background + Project Conditions	27	1113	320	224	59	134	153	631	43	188	246	73	*3211*
													0

Appendix C
Intersection Level of Service

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing AM

Intersection #2: Ginger Lane & Moorpark Avenue

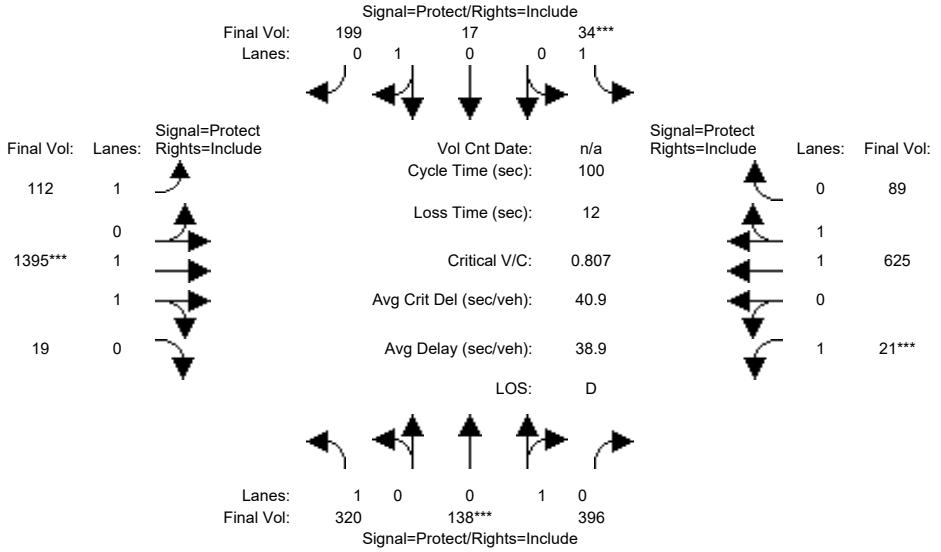


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	85	72	263	112	240	170	91	1014	240	163	730	28
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	85	72	263	112	240	170	91	1014	240	163	730	28
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	85	72	263	112	240	170	91	1014	240	163	730	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	85	72	263	112	240	170	91	1014	240	163	730	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	72	263	112	240	170	91	1014	240	163	730	28
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	85	72	263	112	240	170	91	1014	240	163	730	28
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	0.95	0.95	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	1.00	0.21	0.79	1.00	0.59	0.41	1.00	1.61	0.39	1.00	1.92	0.08
Final Sat.:	1750	387	1413	1750	1054	746	1750	2991	708	1750	3563	137
Capacity Analysis Module:												
Vol/Sat:	0.05	0.19	0.19	0.06	0.23	0.23	0.05	0.34	0.34	0.09	0.20	0.20
Crit Moves:	****				****			****			****	
Green/Cycle:	0.07	0.25	0.25	0.10	0.28	0.28	0.14	0.42	0.42	0.11	0.40	0.40
Volume/Cap:	0.69	0.73	0.73	0.67	0.81	0.81	0.38	0.81	0.81	0.81	0.52	0.52
Uniform Del:	45.5	34.2	34.2	43.7	33.6	33.6	39.5	25.8	25.8	43.2	23.0	23.0
IncremntDel:	15.8	6.0	6.0	10.1	9.9	9.9	1.0	3.5	3.5	22.0	0.3	0.3
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	61.3	40.2	40.2	53.8	43.5	43.5	40.5	29.3	29.3	65.3	23.3	23.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	61.3	40.2	40.2	53.8	43.5	43.5	40.5	29.3	29.3	65.3	23.3	23.3
LOS by Move:	E	D	D	D	D	D	D	C	C	E	C	C
HCM2kAvgQ:	4	11	11	5	15	15	3	17	17	6	9	9

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #2: Ginger Lane & Moorpark Avenue

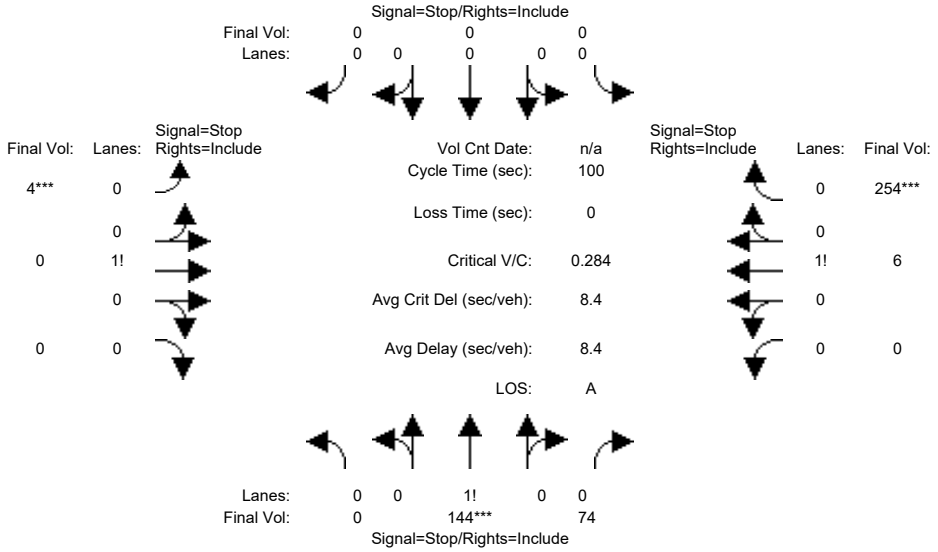


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	320	138	396	34	17	199	112	1395	19	21	625	89
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	320	138	396	34	17	199	112	1395	19	21	625	89
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	320	138	396	34	17	199	112	1395	19	21	625	89
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	320	138	396	34	17	199	112	1395	19	21	625	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	320	138	396	34	17	199	112	1395	19	21	625	89
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	320	138	396	34	17	199	112	1395	19	21	625	89
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	0.95	0.95	0.92	0.97	0.95	0.92	0.98	0.95
Lanes:	1.00	0.26	0.74	1.00	0.08	0.92	1.00	1.97	0.03	1.00	1.74	0.26
Final Sat.:	1750	465	1335	1750	142	1658	1750	3650	50	1750	3238	461
Capacity Analysis Module:												
Vol/Sat:	0.18	0.30	0.30	0.02	0.12	0.12	0.06	0.38	0.38	0.01	0.19	0.19
Crit Moves:		****		****				****		****		
Green/Cycle:	0.24	0.32	0.32	0.07	0.16	0.16	0.13	0.42	0.42	0.07	0.36	0.36
Volume/Cap:	0.77	0.92	0.92	0.28	0.77	0.77	0.49	0.92	0.92	0.17	0.54	0.54
Uniform Del:	35.6	32.5	32.5	44.1	40.5	40.5	40.5	27.5	27.5	43.8	25.6	25.6
IncremntDel:	8.5	19.5	19.5	1.2	12.2	12.2	1.7	9.0	9.0	0.7	0.5	0.5
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	44.1	52.1	52.1	45.3	52.7	52.7	42.2	36.6	36.6	44.4	26.1	26.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	44.1	52.1	52.1	45.3	52.7	52.7	42.2	36.6	36.6	44.4	26.1	26.1
LOS by Move:	D	D	D	D	D	D	D	D	D	D	C	C
HCM2kAvgQ:	12	21	21	1	9	9	3	22	22	1	9	9

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Existing AM

Intersection #3: Ginger Lane & Middle Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	144	74	0	0	0	4	0	0	0	6	254
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	144	74	0	0	0	4	0	0	0	6	254
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	144	74	0	0	0	4	0	0	0	6	254
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	144	74	0	0	0	4	0	0	0	6	254
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	144	74	0	0	0	4	0	0	0	6	254
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	144	74	0	0	0	4	0	0	0	6	254
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.66	0.34	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02	0.98
Final Sat.:	0	543	279	0	0	0	709	0	0	0	21	894
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.27	0.27	xxxx	xxxx	xxxx	0.01	xxxx	xxxx	xxxx	0.28	0.28
Crit Moves:		****					****					****
Delay/Veh:	0.0	8.6	8.6	0.0	0.0	0.0	7.8	0.0	0.0	0.0	8.2	8.2
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	8.6	8.6	0.0	0.0	0.0	7.8	0.0	0.0	0.0	8.2	8.2
LOS by Move:	*	A	A	*	*	*	A	*	*	*	A	A
ApproachDel:		8.6			xxxxxx			7.8			8.2	
Delay Adj:		1.00			xxxxx			1.00			1.00	
ApprAdjDel:		8.6			xxxxxx			7.8			8.2	
LOS by Appr:		A			*			A			A	
AllWayAvgQ:	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #3 Ginger Lane & Middle Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 0 0 1 0			0 0 0 0 0			1 0 0 0 0			0 0 0 1 0		
Initial Vol:	0	144	74	0	0	0	4	0	0	0	6	254

Major Street Volume: 264
Minor Approach Volume: 218
Minor Approach Volume Threshold: 575

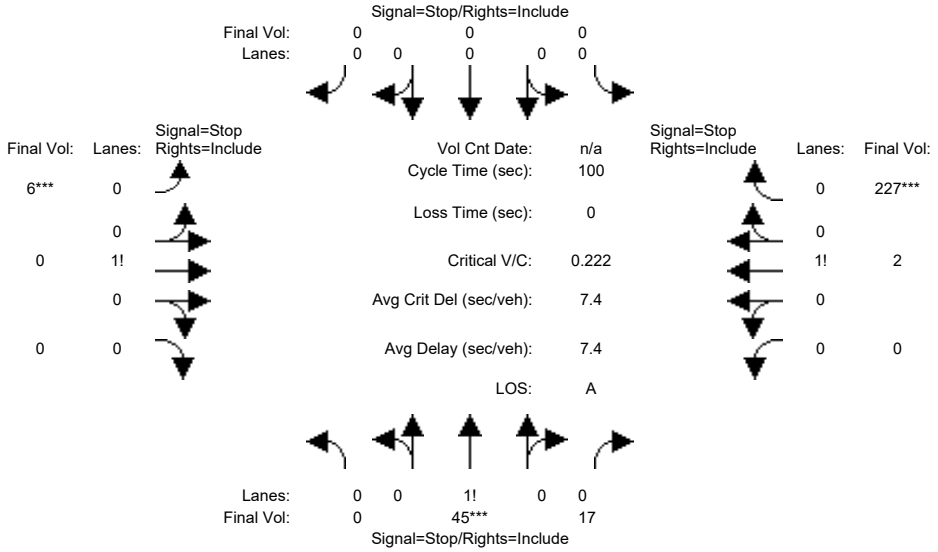
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Existing PM

Intersection #3: Ginger Lane & Middle Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	45	17	0	0	0	6	0	0	0	2	227
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	45	17	0	0	0	6	0	0	0	2	227
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	45	17	0	0	0	6	0	0	0	2	227
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	45	17	0	0	0	6	0	0	0	2	227
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	45	17	0	0	0	6	0	0	0	2	227
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	45	17	0	0	0	6	0	0	0	2	227
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.73	0.27	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.99
Final Sat.:	0	601	227	0	0	0	797	0	0	0	9	1024
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.07	0.07	xxxx	xxxx	xxxx	0.01	xxxx	xxxx	xxxx	0.22	0.22
Crit Moves:		****					****					****
Delay/Veh:	0.0	7.5	7.5	0.0	0.0	0.0	7.4	0.0	0.0	0.0	7.4	7.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	7.5	7.5	0.0	0.0	0.0	7.4	0.0	0.0	0.0	7.4	7.4
LOS by Move:	*	A	A	*	*	*	A	*	*	*	A	A
ApproachDel:		7.5			xxxxxx			7.4			7.4	
Delay Adj:		1.00			xxxxx			1.00			1.00	
ApprAdjDel:		7.5			xxxxxx			7.4			7.4	
LOS by Appr:		A			*			A			A	
AllWayAvgQ:	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #3 Ginger Lane & Middle Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 0 0 1 0			0 0 0 0 0			1 0 0 0 0			0 0 0 1 0		
Initial Vol:	0	45	17	0	0	0	6	0	0	0	2	227

Major Street Volume: 235
Minor Approach Volume: 62
Minor Approach Volume Threshold: 606

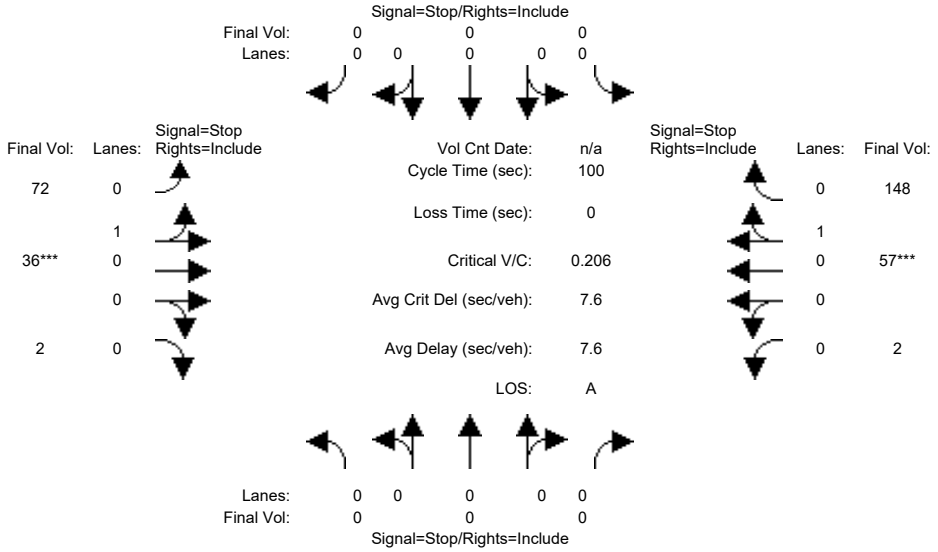
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Existing AM

Intersection #4: Ginger Lane & Clove Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	0	0	0	72	36	2	2	57	148
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	72	36	2	2	57	148
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	72	36	2	2	57	148
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	72	36	2	2	57	148
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	72	36	2	2	57	148
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	0	0	0	72	36	2	2	57	148
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	0.00	0.00	0.00	0.65	0.33	0.02	0.01	0.28	0.71
Final Sat.:	0	0	0	0	0	0	560	280	16	10	276	717
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.13	0.13	0.13	0.21	0.21	0.21
Crit Moves:								****			****	
Delay/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	7.8	7.8	7.8	7.5	7.5	7.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	7.8	7.8	7.8	7.5	7.5	7.5
LOS by Move:	*	*	*	*	*	*	A	A	A	A	A	A
ApproachDel:	xxxxxx			xxxxxx				7.8			7.5	
Delay Adj:	xxxxx			xxxxx				1.00			1.00	
ApprAdjDel:	xxxxxx			xxxxxx				7.8			7.5	
LOS by Appr:	*			*				A			A	
AllWayAvgQ:	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.3	0.3

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #4 Ginger Lane & Clove Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 0	0 0	0	0 0	0 0	0	0 0	1! 0	0	0 0	1! 0	0
Initial Vol:	0	0	0	0	0	0	72	36	2	2	57	148

Major Street Volume: 317
Minor Approach Volume: 0
Minor Approach Volume Threshold: 526

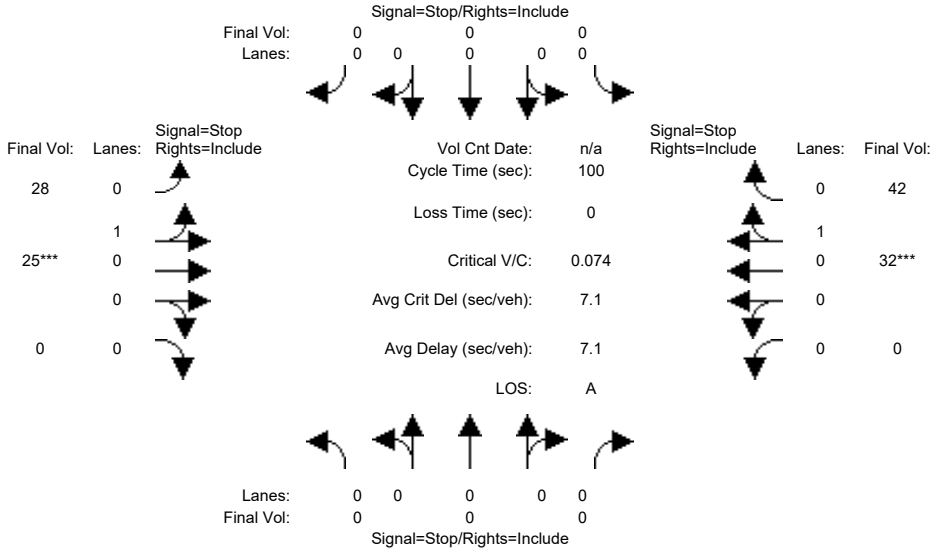
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Existing PM

Intersection #4: Ginger Lane & Clove Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	0	0	0	28	25	0	0	32	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	28	25	0	0	32	42
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	28	25	0	0	32	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	0	0	0	28	25	0	0	32	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	28	25	0	0	32	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	0	0	0	0	0	28	25	0	0	32	42
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.47	0.00	0.00	0.43	0.57
Final Sat.:	0	0	0	0	0	0	466	416	0	0	431	565
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.06	0.06	xxxx	xxxx	0.07	0.07
Crit Moves:								****			****	
Delay/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	7.3	7.3	0.0	0.0	6.9	6.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	7.3	7.3	0.0	0.0	6.9	6.9
LOS by Move:	*	*	*	*	*	*	A	A	*	*	A	A
ApproachDel:	xxxxxx			xxxxxx			7.3			6.9		
Delay Adj:	xxxxx			xxxxx			1.00			1.00		
ApprAdjDel:	xxxxxx			xxxxxx			7.3			6.9		
LOS by Appr:	*			*			A			A		
AllWayAvgQ:	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #4 Ginger Lane & Clove Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 0	0 0 0		0 0	0 0 0		0 1	0 0 0		0 0	0 1 0	
Initial Vol:	0	0	0	0	0	0	28	25	0	0	32	42

Major Street Volume: 127
Minor Approach Volume: 0
Minor Approach Volume Threshold: 770

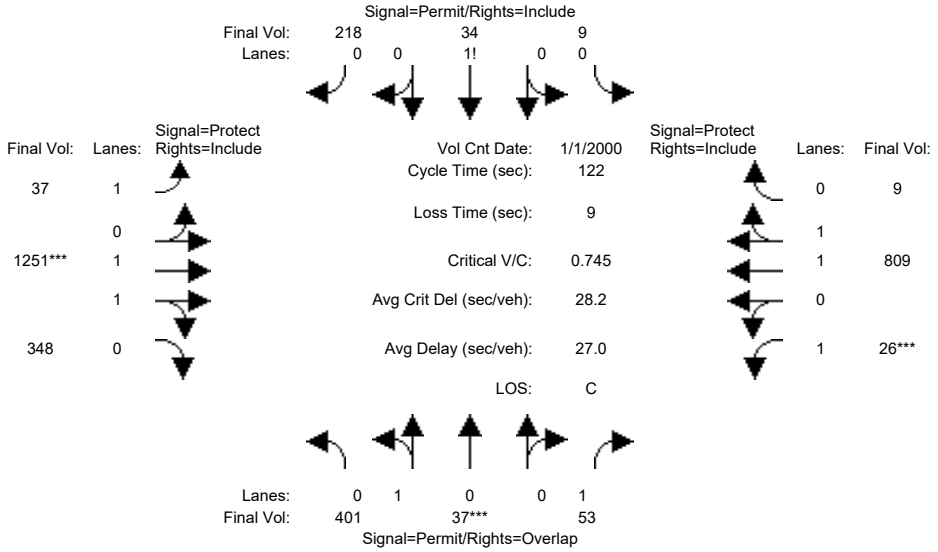
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing AM

Intersection #3712: MOORPARK/THORNTON

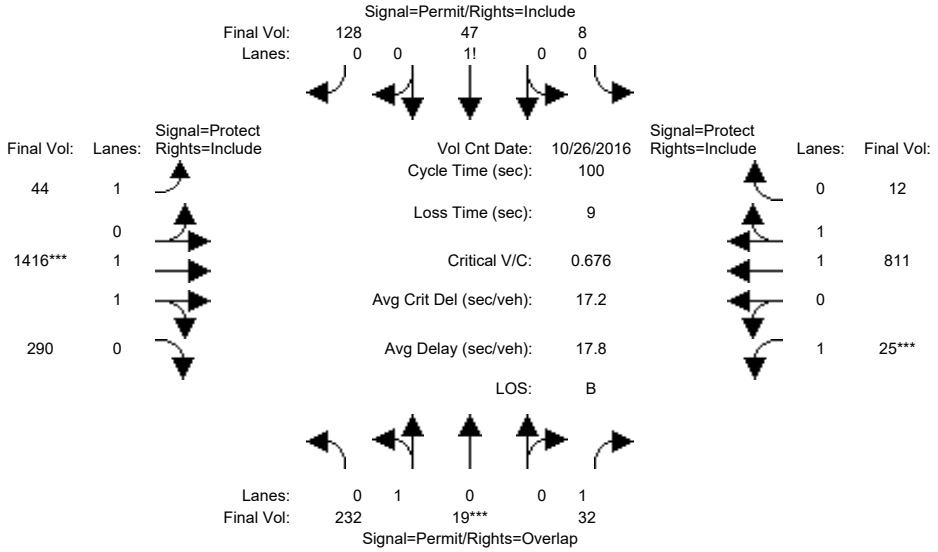


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 1 Jan 2000 << 7:30-8:30												
Base Vol:	401	37	53	9	34	218	37	1251	348	26	809	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	401	37	53	9	34	218	37	1251	348	26	809	9
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	401	37	53	9	34	218	37	1251	348	26	809	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	401	37	53	9	34	218	37	1251	348	26	809	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	401	37	53	9	34	218	37	1251	348	26	809	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	401	37	53	9	34	218	37	1251	348	26	809	9
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	0.92	0.08	1.00	0.03	0.13	0.84	1.00	1.55	0.45	1.00	1.98	0.02
Final Sat.:	1648	152	1750	60	228	1462	1750	2894	805	1750	3659	41
Capacity Analysis Module:												
Vol/Sat:	0.24	0.24	0.03	0.15	0.15	0.15	0.02	0.43	0.43	0.01	0.22	0.22
Crit Moves:		****						****		****		
Green/Cycle:	0.31	0.31	0.37	0.31	0.31	0.31	0.13	0.56	0.56	0.06	0.49	0.49
Volume/Cap:	0.78	0.78	0.08	0.48	0.48	0.48	0.17	0.78	0.78	0.26	0.45	0.45
Uniform Del:	38.1	38.1	24.9	33.8	33.8	33.8	47.6	21.2	21.2	55.0	20.6	20.6
IncremntDel:	6.8	6.8	0.1	0.7	0.7	0.7	0.4	1.9	1.9	1.4	0.2	0.2
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	44.8	44.8	25.0	34.5	34.5	34.5	47.9	23.1	23.1	56.4	20.8	20.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	44.8	44.8	25.0	34.5	34.5	34.5	47.9	23.1	23.1	56.4	20.8	20.8
LOS by Move:	D	D	C	C	C	C	D	C	C	E	C	C
HCM2kAvgQ:	17	17	1	9	9	9	1	25	25	1	10	10

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #3712: MOORPARK/THORNTON

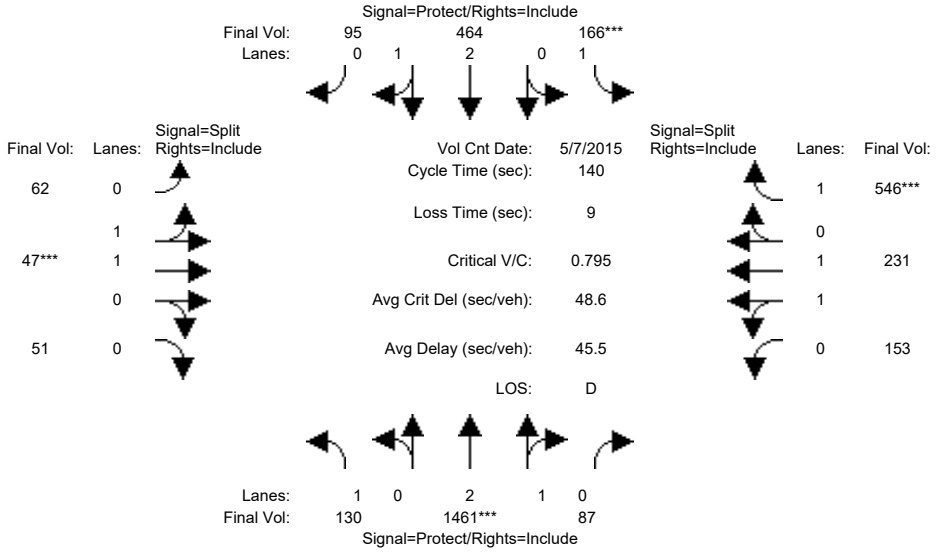


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 26 Oct 2016 << 5:00-6:00												
Base Vol:	232	19	32	8	47	128	44	1416	290	25	811	12
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	232	19	32	8	47	128	44	1416	290	25	811	12
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	232	19	32	8	47	128	44	1416	290	25	811	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	232	19	32	8	47	128	44	1416	290	25	811	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	232	19	32	8	47	128	44	1416	290	25	811	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	232	19	32	8	47	128	44	1416	290	25	811	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	0.92	0.08	1.00	0.04	0.26	0.70	1.00	1.65	0.35	1.00	1.97	0.03
Final Sat.:	1664	136	1750	77	449	1224	1750	3071	629	1750	3646	54
Capacity Analysis Module:												
Vol/Sat:	0.14	0.14	0.02	0.10	0.10	0.10	0.03	0.46	0.46	0.01	0.22	0.22
Crit Moves:		****						****		****		
Green/Cycle:	0.20	0.20	0.27	0.20	0.20	0.20	0.17	0.64	0.64	0.07	0.54	0.54
Volume/Cap:	0.71	0.71	0.07	0.54	0.54	0.54	0.15	0.71	0.71	0.20	0.41	0.41
Uniform Del:	37.6	37.6	27.5	36.2	36.2	36.2	35.2	11.7	11.7	43.9	13.4	13.4
IncremntDel:	6.9	6.9	0.1	1.7	1.7	1.7	0.2	1.1	1.1	0.8	0.1	0.1
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	44.5	44.5	27.6	37.9	37.9	37.9	35.5	12.7	12.7	44.7	13.5	13.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	44.5	44.5	27.6	37.9	37.9	37.9	35.5	12.7	12.7	44.7	13.5	13.5
LOS by Move:	D	D	C	D	D	D	D	B	B	D	B	B
HCM2kAvgQ:	9	9	1	6	6	6	1	18	18	1	7	7

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing AM

Intersection #5009: BASCOM/FRUITDALE

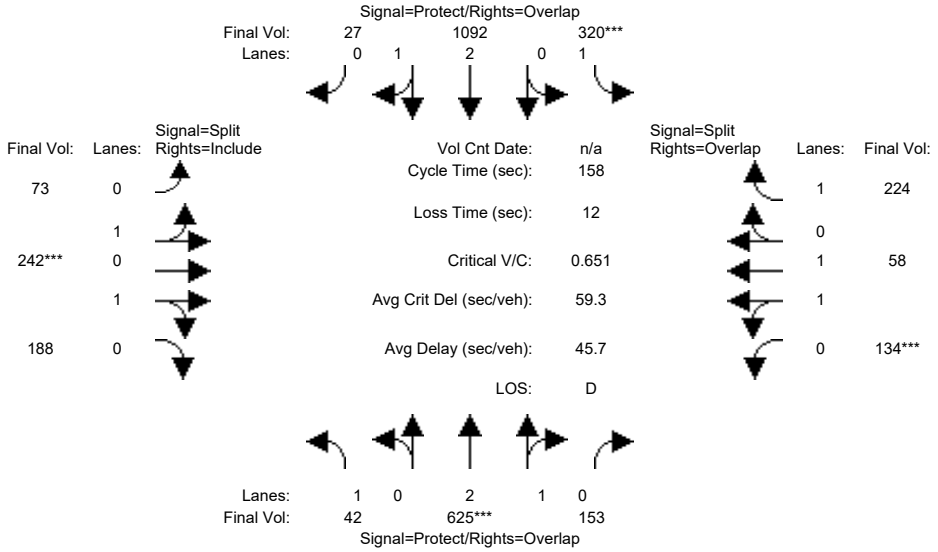


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 7 May 2015 << 7:30-8:30												
Base Vol:	130	1461	87	166	464	95	62	47	51	153	231	546
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	130	1461	87	166	464	95	62	47	51	153	231	546
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	130	1461	87	166	464	95	62	47	51	153	231	546
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	130	1461	87	166	464	95	62	47	51	153	231	546
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	130	1461	87	166	464	95	62	47	51	153	231	546
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	130	1461	87	166	464	95	62	47	51	153	231	546
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.99	0.95	0.49	0.95	0.95	0.60	0.99	0.92
Lanes:	1.00	2.83	0.17	1.00	2.47	0.53	1.10	0.43	0.47	1.00	1.00	1.00
Final Sat.:	1750	5285	315	1750	4647	951	1021	774	840	1131	1883	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.28	0.28	0.09	0.10	0.10	0.06	0.06	0.06	0.14	0.12	0.31
Crit Moves:		****		****				****				****
Green/Cycle:	0.20	0.35	0.35	0.12	0.27	0.27	0.08	0.08	0.08	0.39	0.39	0.39
Volume/Cap:	0.37	0.80	0.80	0.80	0.37	0.37	0.80	0.80	0.80	0.34	0.31	0.80
Uniform Del:	48.5	41.2	41.2	60.0	41.7	41.7	63.6	63.6	63.6	29.9	29.5	37.6
IncremntDel:	0.7	2.4	2.4	18.7	0.2	0.2	19.3	19.3	19.3	0.2	0.1	6.4
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	49.2	43.5	43.5	78.7	41.9	41.9	82.9	82.9	82.9	30.1	29.6	44.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	49.2	43.5	43.5	78.7	41.9	41.9	82.9	82.9	82.9	30.1	29.6	44.0
LOS by Move:	D	D	D	E	D	D	F	F	F	C	C	D
HCM2kAvgQ:	5	22	22	8	6	6	4	7	7	5	7	24

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #5009: BASCOM/FRUITDALE

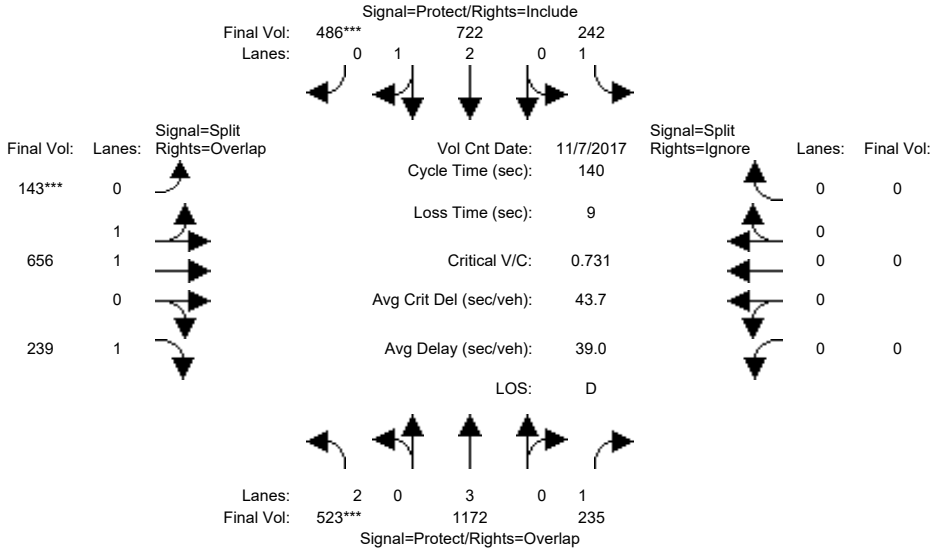


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	8	45	45	35	72	72	27	32	32	36	31	31
Y+R:	5.1	5.1	5.1	5.0	5.1	5.1	5.4	5.4	5.4	5.2	5.2	5.2
Volume Module:												
Base Vol:	42	625	153	320	1092	27	73	242	188	134	58	224
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	42	625	153	320	1092	27	73	242	188	134	58	224
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	42	625	153	320	1092	27	73	242	188	134	58	224
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	42	625	153	320	1092	27	73	242	188	134	58	224
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	625	153	320	1092	27	73	242	188	134	58	224
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	42	625	153	320	1092	27	73	242	188	134	58	224
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.99	0.95	0.92	0.98	0.95	0.49	0.95	0.95	0.58	1.00	0.92
Lanes:	1.00	2.39	0.61	1.00	2.92	0.08	0.50	0.84	0.66	1.00	1.00	1.00
Final Sat.:	1750	4497	1101	1750	5465	135	459	1523	1183	1100	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.14	0.14	0.18	0.20	0.20	0.16	0.16	0.16	0.12	0.03	0.13
Crit Moves:		****		****				****		****		
Green/Cycle:	0.05	0.28	0.51	0.22	0.45	0.65	0.20	0.20	0.20	0.23	0.23	0.44
Volume/Cap:	0.48	0.49	0.27	0.84	0.44	0.31	0.79	0.79	0.79	0.54	0.14	0.29
Uniform Del:	74.0	48.0	22.7	59.8	30.2	12.2	60.9	60.9	60.9	54.7	49.6	28.4
IncremntDel:	4.1	0.2	0.1	14.7	0.1	0.0	6.9	6.9	6.9	1.7	0.0	0.2
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	78.1	48.2	22.7	74.5	30.4	12.3	67.7	67.7	67.7	56.4	49.6	28.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	78.1	48.2	22.7	74.5	30.4	12.3	67.7	67.7	67.7	56.4	49.6	28.6
LOS by Move:	E	D	C	E	C	B	E	E	E	E	D	C
HCM2kAvgQ:	3	11	7	17	12	8	9	16	16	7	2	7

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing AM

Intersection #5012: BASCOM AVE/MOORPARK AVE

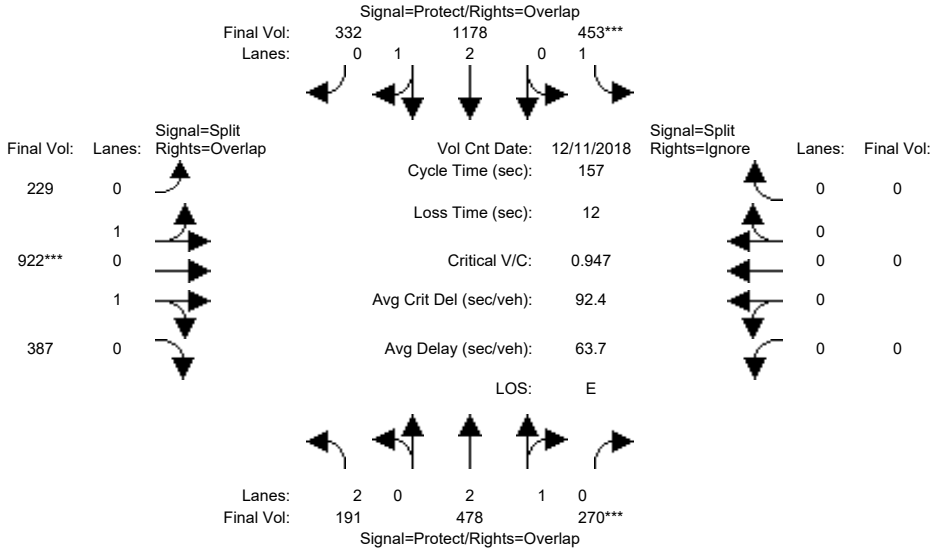


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 7 Nov 2017 << 7:45-8:45												
Base Vol:	523	1172	235	242	722	486	143	656	239	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	523	1172	235	242	722	486	143	656	239	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	523	1172	235	242	722	486	143	656	239	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	523	1172	235	242	722	486	143	656	239	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	523	1172	235	242	722	486	143	656	239	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	523	1172	235	242	722	486	143	656	239	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.95	0.86	0.92	0.92	1.00	0.92
Lanes:	2.00	3.00	1.00	1.00	2.00	1.00	0.33	1.67	1.00	0.00	0.00	0.00
Final Sat.:	3150	5700	1750	1750	3800	1750	596	2733	1750	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.17	0.21	0.13	0.14	0.19	0.28	0.24	0.24	0.14	0.00	0.00	0.00
Crit Moves:	****					****	****					
Green/Cycle:	0.23	0.36	0.36	0.24	0.38	0.38	0.33	0.33	0.56	0.00	0.00	0.00
Volume/Cap:	0.73	0.57	0.37	0.57	0.50	0.73	0.73	0.73	0.25	0.00	0.00	0.00
Uniform Del:	50.1	35.7	32.8	46.4	33.2	37.2	41.5	41.5	16.0	0.0	0.0	0.0
IncremntDel:	3.9	0.4	0.4	1.8	0.2	1.7	2.6	2.6	0.1	0.0	0.0	0.0
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
Delay/Veh:	54.0	36.1	33.2	48.2	33.4	38.9	44.1	44.1	16.1	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	54.0	36.1	33.2	48.2	33.4	38.9	44.1	44.1	16.1	0.0	0.0	0.0
LOS by Move:	D	D	C	D	C	D	D	D	B	A	A	A
HCM2kAvgQ:	13	13	8	10	12	20	17	15	5	0	0	0

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #5012: BASCOM AVE/MOORPARK AVE

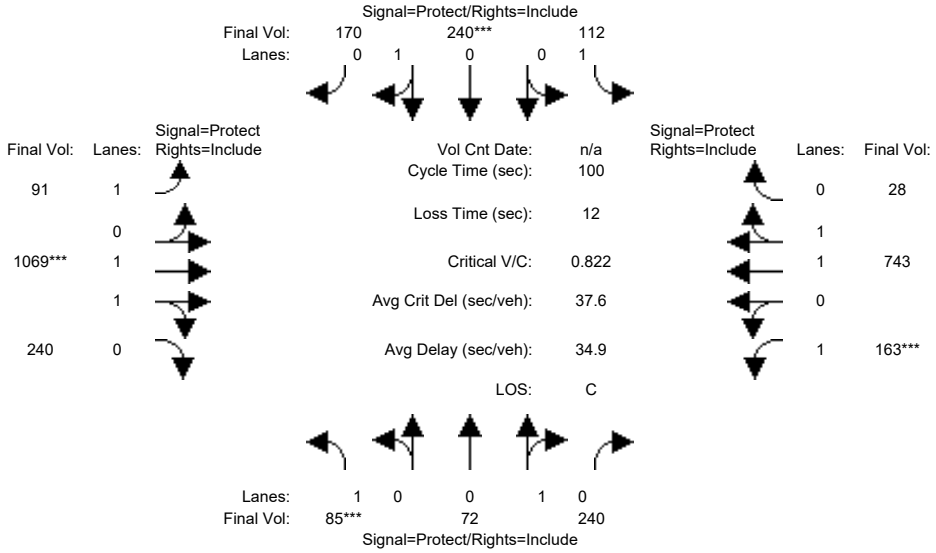


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	16	35	35	47	66	66	65	65	65	0	0	0
Y+R:	4.8	5.1	5.1	4.6	5.1	5.1	5.6	5.6	5.6	0.0	0.0	0.0
Volume Module: >> Count Date: 11 Dec 2018 << 5:15 - 6:15 PM												
Base Vol:	191	478	270	453	1178	332	229	922	387	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	191	478	270	453	1178	332	229	922	387	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	191	478	270	453	1178	332	229	922	387	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	191	478	270	453	1178	332	229	922	387	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	191	478	270	453	1178	332	229	922	387	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	191	478	270	453	1178	332	229	922	387	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	0.99	0.95	0.95	0.83	0.95	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	1.00	2.32	0.68	0.28	1.26	0.46	0.00	0.00	0.00
Final Sat.:	3150	3800	1750	1750	4367	1231	496	1995	837	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.06	0.13	0.15	0.26	0.27	0.27	0.46	0.46	0.46	0.00	0.00	0.00
Crit Moves:			****	****				****				
Green/Cycle:	0.10	0.22	0.22	0.30	0.42	0.82	0.41	0.41	0.51	0.00	0.00	0.00
Volume/Cap:	0.60	0.57	0.70	0.88	0.65	0.33	1.13	1.13	0.91	0.00	0.00	0.00
Uniform Del:	68.5	55.3	57.2	53.2	37.2	3.4	47.0	47.0	35.6	0.0	0.0	0.0
IncremntDel:	3.2	0.6	2.1	15.4	0.7	0.0	68.5	68.5	7.5	0.0	0.0	0.0
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
Delay/Veh:	71.7	55.9	59.3	68.6	37.9	3.4	115.5	116	43.1	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	71.7	55.9	59.3	68.6	37.9	3.4	115.5	116	43.1	0.0	0.0	0.0
LOS by Move:	E	E	E	E	D	A	F	F	D	A	A	A
HCM2kAvgQ:	5	10	13	25	20	6	57	50	41	0	0	0

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background AM

Intersection #2: Ginger Lane & Moorpark Avenue

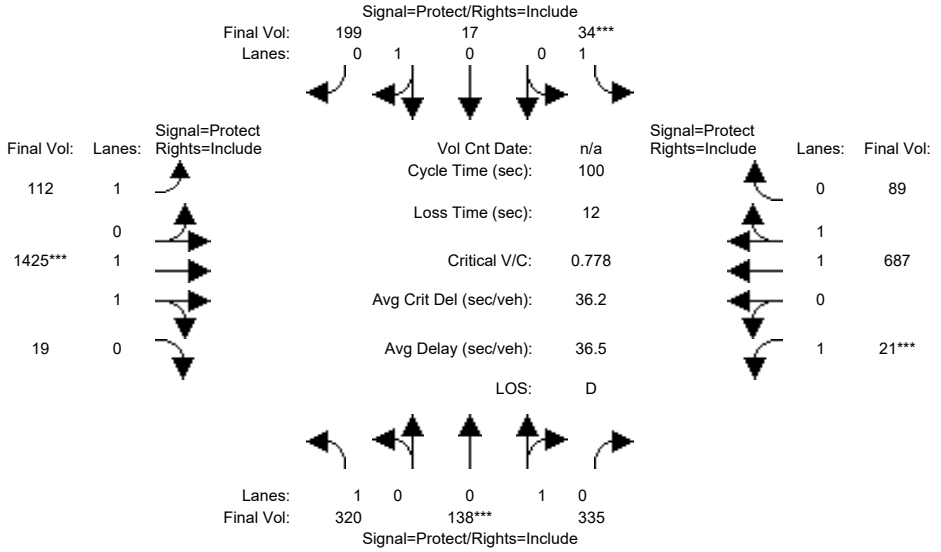


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	85	72	240	112	240	170	91	1069	240	163	743	28
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	85	72	240	112	240	170	91	1069	240	163	743	28
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	85	72	240	112	240	170	91	1069	240	163	743	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	85	72	240	112	240	170	91	1069	240	163	743	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	72	240	112	240	170	91	1069	240	163	743	28
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	85	72	240	112	240	170	91	1069	240	163	743	28
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	0.95	0.95	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	1.00	0.23	0.77	1.00	0.59	0.41	1.00	1.62	0.38	1.00	1.93	0.07
Final Sat.:	1750	415	1385	1750	1054	746	1750	3021	678	1750	3566	134
Capacity Analysis Module:												
Vol/Sat:	0.05	0.17	0.17	0.06	0.23	0.23	0.05	0.35	0.35	0.09	0.21	0.21
Crit Moves:	****				****			****			****	
Green/Cycle:	0.07	0.24	0.24	0.10	0.27	0.27	0.13	0.42	0.42	0.11	0.40	0.40
Volume/Cap:	0.69	0.71	0.71	0.65	0.83	0.83	0.39	0.83	0.83	0.83	0.52	0.52
Uniform Del:	45.5	34.5	34.5	43.4	34.2	34.2	39.5	25.6	25.6	43.5	22.6	22.6
IncremntDel:	15.8	5.3	5.3	8.3	11.6	11.6	1.0	4.0	4.0	25.2	0.3	0.3
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	61.3	39.8	39.8	51.7	45.8	45.8	40.5	29.6	29.6	68.7	22.9	22.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	61.3	39.8	39.8	51.7	45.8	45.8	40.5	29.6	29.6	68.7	22.9	22.9
LOS by Move:	E	D	D	D	D	D	D	C	C	E	C	C
HCM2kAvgQ:	4	11	11	5	15	15	3	18	18	6	9	9

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background PM

Intersection #2: Ginger Lane & Moorpark Avenue

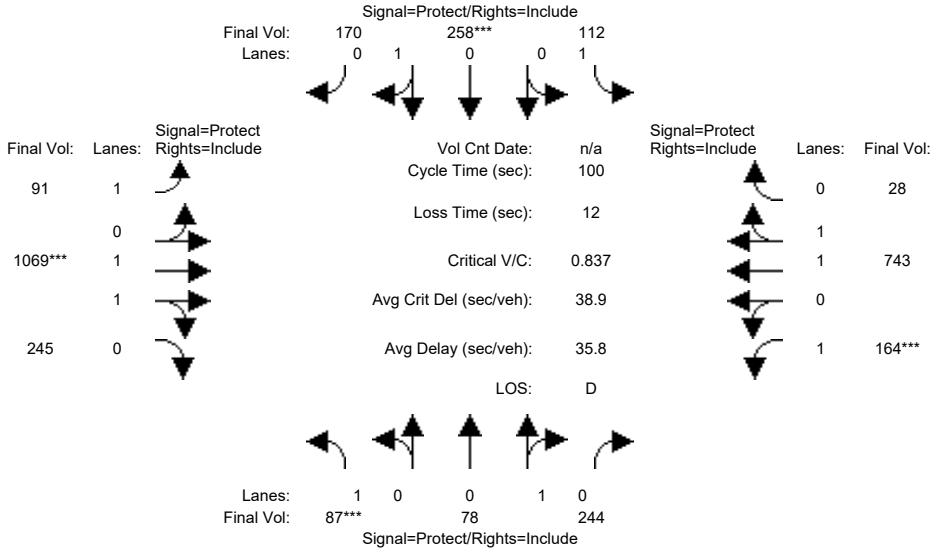


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	320	138	335	34	17	199	112	1425	19	21	687	89
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	320	138	335	34	17	199	112	1425	19	21	687	89
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	320	138	335	34	17	199	112	1425	19	21	687	89
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	320	138	335	34	17	199	112	1425	19	21	687	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	320	138	335	34	17	199	112	1425	19	21	687	89
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	320	138	335	34	17	199	112	1425	19	21	687	89
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	0.95	0.95	0.92	0.97	0.95	0.92	0.98	0.95
Lanes:	1.00	0.29	0.71	1.00	0.08	0.92	1.00	1.97	0.03	1.00	1.76	0.24
Final Sat.:	1750	525	1275	1750	142	1658	1750	3651	49	1750	3275	424
Capacity Analysis Module:												
Vol/Sat:	0.18	0.26	0.26	0.02	0.12	0.12	0.06	0.39	0.39	0.01	0.21	0.21
Crit Moves:		****		****				****		****		
Green/Cycle:	0.22	0.30	0.30	0.07	0.15	0.15	0.13	0.44	0.44	0.07	0.38	0.38
Volume/Cap:	0.82	0.88	0.88	0.28	0.82	0.82	0.50	0.88	0.88	0.17	0.55	0.55
Uniform Del:	37.0	33.4	33.4	44.1	41.5	41.5	40.6	25.5	25.5	43.8	24.0	24.0
IncremntDel:	13.3	15.8	15.8	1.2	18.6	18.6	1.7	6.0	6.0	0.7	0.4	0.4
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	50.3	49.2	49.2	45.3	60.1	60.1	42.3	31.5	31.5	44.4	24.5	24.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	50.3	49.2	49.2	45.3	60.1	60.1	42.3	31.5	31.5	44.4	24.5	24.5
LOS by Move:	D	D	D	D	E	E	D	C	C	D	C	C
HCM2kAvgQ:	13	18	18	1	9	9	3	21	21	1	9	9

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background + Project AM

Intersection #2: Ginger Lane & Moorpark Avenue

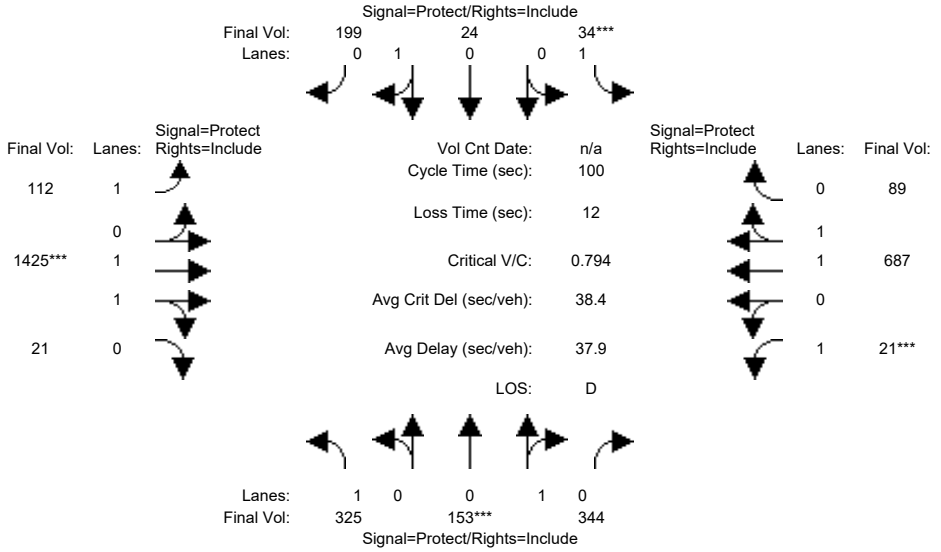


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	85	72	240	112	240	170	91	1069	240	163	743	28
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	85	72	240	112	240	170	91	1069	240	163	743	28
Added Vol:	2	6	4	0	18	0	0	0	5	1	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	87	78	244	112	258	170	91	1069	245	164	743	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	87	78	244	112	258	170	91	1069	245	164	743	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	78	244	112	258	170	91	1069	245	164	743	28
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	87	78	244	112	258	170	91	1069	245	164	743	28
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	0.95	0.95	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	1.00	0.24	0.76	1.00	0.60	0.40	1.00	1.62	0.38	1.00	1.93	0.07
Final Sat.:	1750	436	1364	1750	1085	715	1750	3010	690	1750	3566	134
Capacity Analysis Module:												
Vol/Sat:	0.05	0.18	0.18	0.06	0.24	0.24	0.05	0.36	0.36	0.09	0.21	0.21
Crit Moves:	****				****			****			****	
Green/Cycle:	0.07	0.25	0.25	0.10	0.28	0.28	0.13	0.42	0.42	0.11	0.40	0.40
Volume/Cap:	0.71	0.71	0.71	0.65	0.85	0.85	0.39	0.85	0.85	0.85	0.53	0.53
Uniform Del:	45.5	34.1	34.1	43.4	34.0	34.0	39.6	26.2	26.2	43.6	23.0	23.0
IncremntDel:	17.6	5.2	5.2	8.4	12.7	12.7	1.1	4.6	4.6	27.9	0.4	0.4
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	63.1	39.3	39.3	51.8	46.6	46.6	40.7	30.8	30.8	71.5	23.4	23.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	63.1	39.3	39.3	51.8	46.6	46.6	40.7	30.8	30.8	71.5	23.4	23.4
LOS by Move:	E	D	D	D	D	D	D	C	C	E	C	C
HCM2kAvgQ:	4	11	11	5	16	16	3	19	19	6	9	9

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background + Project PM

Intersection #2: Ginger Lane & Moorpark Avenue

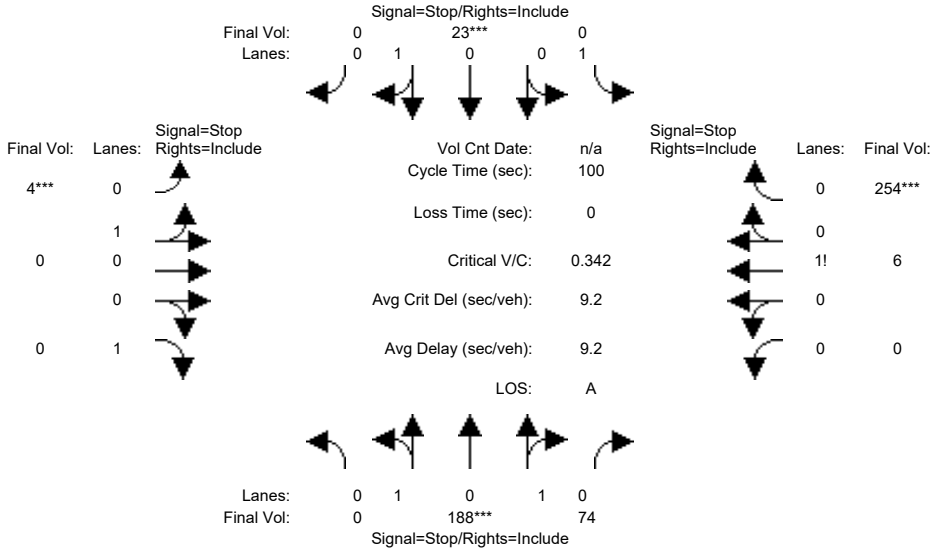


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	320	138	335	34	17	199	112	1425	19	21	687	89
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	320	138	335	34	17	199	112	1425	19	21	687	89
Added Vol:	5	15	9	0	7	0	0	0	2	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	325	153	344	34	24	199	112	1425	21	21	687	89
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	325	153	344	34	24	199	112	1425	21	21	687	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	325	153	344	34	24	199	112	1425	21	21	687	89
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	325	153	344	34	24	199	112	1425	21	21	687	89
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.95	0.95	0.92	0.95	0.95	0.92	0.97	0.95	0.92	0.98	0.95
Lanes:	1.00	0.31	0.69	1.00	0.11	0.89	1.00	1.97	0.03	1.00	1.76	0.24
Final Sat.:	1750	554	1246	1750	194	1606	1750	3646	54	1750	3275	424
Capacity Analysis Module:												
Vol/Sat:	0.19	0.28	0.28	0.02	0.12	0.12	0.06	0.39	0.39	0.01	0.21	0.21
Crit Moves:		****		****				****		****		
Green/Cycle:	0.23	0.31	0.31	0.07	0.15	0.15	0.13	0.43	0.43	0.07	0.38	0.38
Volume/Cap:	0.82	0.90	0.90	0.28	0.82	0.82	0.51	0.90	0.90	0.17	0.56	0.56
Uniform Del:	36.8	33.2	33.2	44.1	41.2	41.2	40.8	26.3	26.3	43.8	24.5	24.5
IncremntDel:	13.0	17.9	17.9	1.2	18.0	18.0	1.9	7.4	7.4	0.7	0.5	0.5
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	49.8	51.1	51.1	45.3	59.2	59.2	42.7	33.7	33.7	44.4	25.0	25.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	49.8	51.1	51.1	45.3	59.2	59.2	42.7	33.7	33.7	44.4	25.0	25.0
LOS by Move:	D	D	D	D	E	E	D	C	C	D	C	C
HCM2kAvgQ:	13	19	19	1	9	9	3	22	22	1	9	9

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Background AM

Intersection #3: Ginger Lane & Middle Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	188	74	0	23	0	4	0	0	0	6	254
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	188	74	0	23	0	4	0	0	0	6	254
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	188	74	0	23	0	4	0	0	0	6	254
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	188	74	0	23	0	4	0	0	0	6	254
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	188	74	0	23	0	4	0	0	0	6	254
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	188	74	0	23	0	4	0	0	0	6	254
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	1.44	0.56	1.00	1.00	0.00	1.00	0.00	1.00	0.00	0.02	0.98
Final Sat.:	0	996	413	584	635	0	579	0	719	0	18	744
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.19	0.18	0.00	0.04	xxxx	0.01	xxxx	0.00	xxxx	0.34	0.34
Crit Moves:		****			****		****					****
Delay/Veh:	0.0	8.8	8.4	0.0	8.3	0.0	8.7	0.0	0.0	0.0	9.8	9.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	8.8	8.4	0.0	8.3	0.0	8.7	0.0	0.0	0.0	9.8	9.8
LOS by Move:	*	A	A	*	A	*	A	*	*	*	A	A
ApproachDel:		8.7			8.3			8.7			9.8	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		8.7			8.3			8.7			9.8	
LOS by Appr:		A			A			A			A	
AllWayAvgQ:	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #3 Ginger Lane & Middle Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 1	0 1	0	1 0	0 1	0	0 1	0 0	1	0 0	0 1	0
Initial Vol:	0	188	74	0	23	0	4	0	0	0	6	254

Major Street Volume: 285
Minor Approach Volume: 260
Minor Approach Volume Threshold: 717

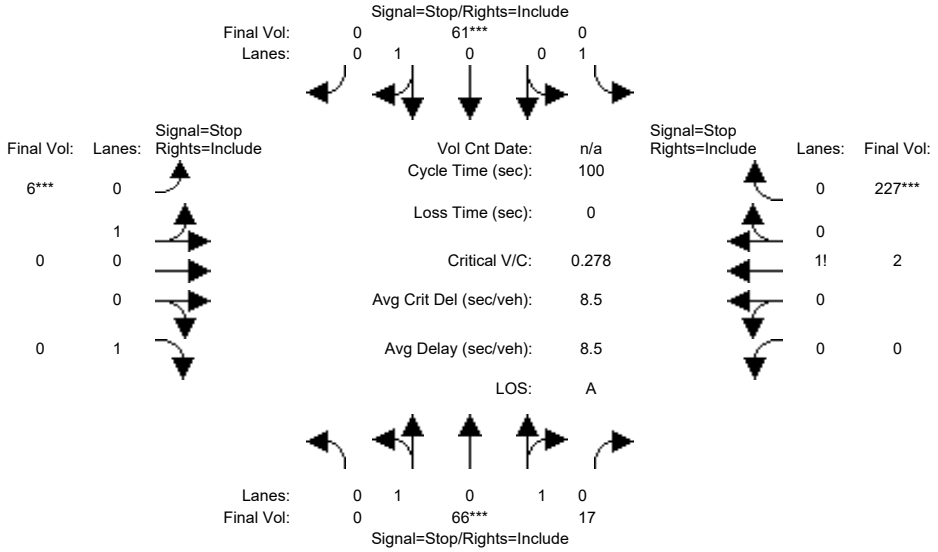
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Background PM

Intersection #3: Ginger Lane & Middle Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	66	17	0	61	0	6	0	0	0	2	227
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	66	17	0	61	0	6	0	0	0	2	227
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	66	17	0	61	0	6	0	0	0	2	227
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	66	17	0	61	0	6	0	0	0	2	227
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	66	17	0	61	0	6	0	0	0	2	227
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	66	17	0	61	0	6	0	0	0	2	227
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	1.59	0.41	1.00	1.00	0.00	1.00	0.00	1.00	0.00	0.01	0.99
Final Sat.:	0	1106	295	620	678	0	632	0	800	0	7	817
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.06	0.06	0.00	0.09	xxxx	0.01	xxxx	0.00	xxxx	0.28	0.28
Crit Moves:		****			****		****					****
Delay/Veh:	0.0	8.0	7.8	0.0	8.3	0.0	8.3	0.0	0.0	0.0	8.9	8.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	8.0	7.8	0.0	8.3	0.0	8.3	0.0	0.0	0.0	8.9	8.9
LOS by Move:	*	A	A	*	A	*	A	*	*	*	A	A
ApproachDel:		7.9			8.3			8.3			8.9	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.9			8.3			8.3			8.9	
LOS by Appr:		A			A			A			A	
AllWayAvgQ:	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.4	0.4	0.4

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #3 Ginger Lane & Middle Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 1	0 1	0	1 0	0 1	0	0 1	0 0	1	0 0	0 1	0
Initial Vol:	0	66	17	0	61	0	6	0	0	0	2	227

Major Street Volume: 235
Minor Approach Volume: 83
Minor Approach Volume Threshold: 997

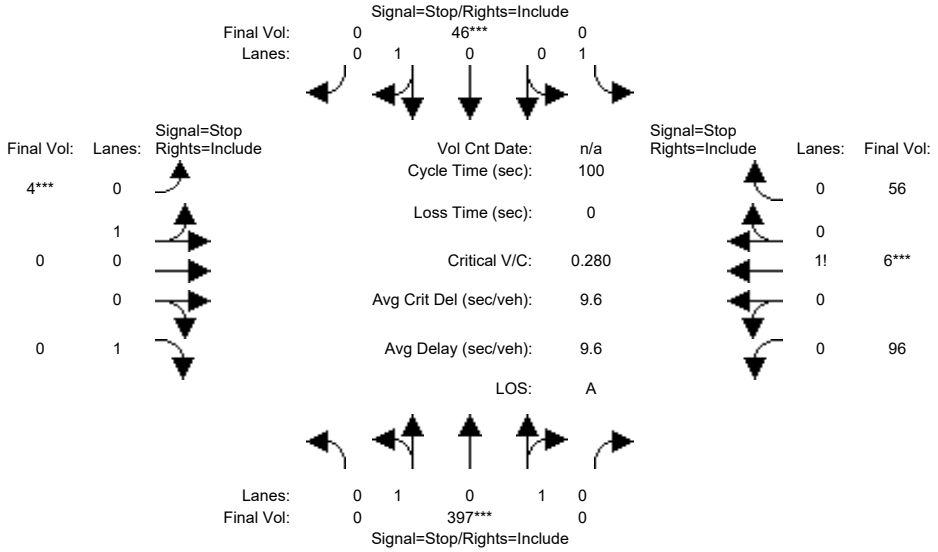
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Background + Project AM

Intersection #3: Ginger Lane & Middle Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	386	0	0	23	0	4	0	0	96	6	56
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	386	0	0	23	0	4	0	0	96	6	56
Added Vol:	0	11	0	0	23	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	397	0	0	46	0	4	0	0	96	6	56
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	397	0	0	46	0	4	0	0	96	6	56
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	397	0	0	46	0	4	0	0	96	6	56
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	397	0	0	46	0	4	0	0	96	6	56
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	2.00	0.00	1.00	1.00	0.00	1.00	0.00	1.00	0.61	0.04	0.35
Final Sat.:	0	1418	0	598	652	0	545	0	665	388	24	227
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.28	xxxx	0.00	0.07	xxxx	0.01	xxxx	0.00	0.25	0.25	0.25
Crit Moves:		****			****		****				****	
Delay/Veh:	0.0	9.6	0.0	0.0	8.4	0.0	9.0	0.0	0.0	10.1	10.1	10.1
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	9.6	0.0	0.0	8.4	0.0	9.0	0.0	0.0	10.1	10.1	10.1
LOS by Move:	*	A	*	*	A	*	A	*	*	B	B	B
ApproachDel:		9.6			8.4			9.0			10.1	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		9.6			8.4			9.0			10.1	
LOS by Appr:		A			A			A			B	
AllWayAvgQ:	0.4	0.4	0.4	0.0	0.1	0.1	0.0	0.0	0.0	0.3	0.3	0.3

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #3 Ginger Lane & Middle Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 1	0 1	0	1	0 0 1	0	0	1 0 0 1		0	0 1! 0	0
Initial Vol:	0	397	0	0	46	0	4	0	0	96	6	56

Major Street Volume: 443
Minor Approach Volume: 158
Minor Approach Volume Threshold: 565

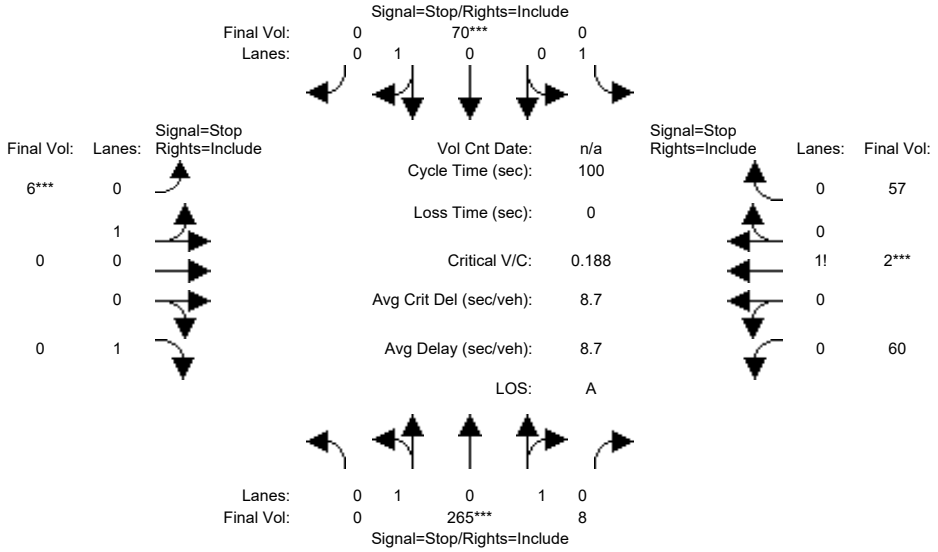
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Background + Project PM

Intersection #3: Ginger Lane & Middle Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	236	8	0	61	0	6	0	0	60	2	57
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	236	8	0	61	0	6	0	0	60	2	57
Added Vol:	0	29	0	0	9	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	265	8	0	70	0	6	0	0	60	2	57
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	265	8	0	70	0	6	0	0	60	2	57
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	265	8	0	70	0	6	0	0	60	2	57
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	265	8	0	70	0	6	0	0	60	2	57
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	1.94	0.06	1.00	1.00	0.00	1.00	0.00	1.00	0.50	0.02	0.48
Final Sat.:	0	1411	43	631	692	0	576	0	713	341	11	324
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.19	0.19	0.00	0.10	xxxx	0.01	xxxx	0.00	0.18	0.18	0.18
Crit Moves:		****			****		****				****	
Delay/Veh:	0.0	8.7	8.6	0.0	8.3	0.0	8.7	0.0	0.0	9.1	9.1	9.1
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	8.7	8.6	0.0	8.3	0.0	8.7	0.0	0.0	9.1	9.1	9.1
LOS by Move:	*	A	A	*	A	*	A	*	*	A	A	A
ApproachDel:		8.7			8.3			8.7			9.1	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		8.7			8.3			8.7			9.1	
LOS by Appr:		A			A			A			A	
AllWayAvgQ:	0.2	0.2	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #3 Ginger Lane & Middle Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 1	0 1	0	1	0 0 1	0	0	1 0 0 1		0	0 1! 0	0
Initial Vol:	0	265	8	0	70	0	6	0	0	60	2	57

Major Street Volume: 343
Minor Approach Volume: 119
Minor Approach Volume Threshold: 653

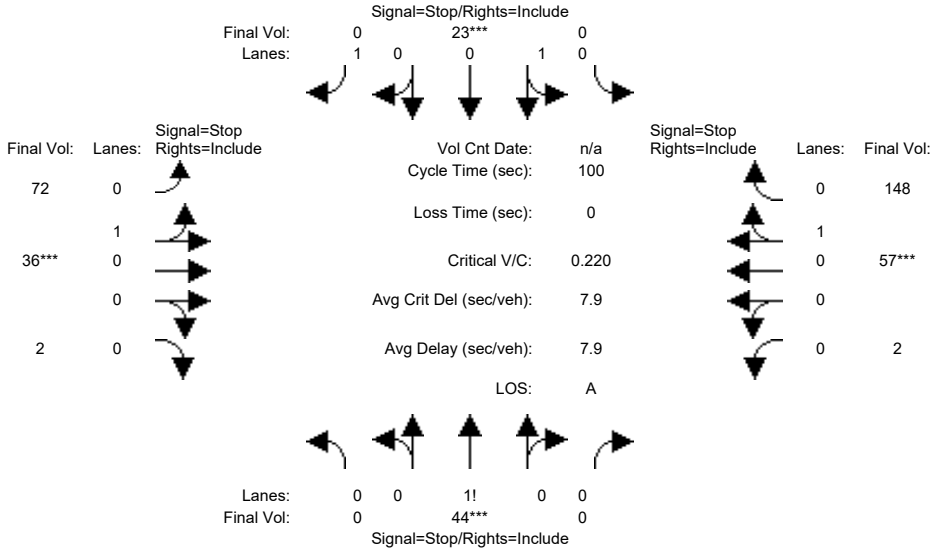
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Background AM

Intersection #4: Ginger Lane & Clove Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	44	0	0	23	0	72	36	2	2	57	148
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	44	0	0	23	0	72	36	2	2	57	148
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	44	0	0	23	0	72	36	2	2	57	148
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	44	0	0	23	0	72	36	2	2	57	148
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	44	0	0	23	0	72	36	2	2	57	148
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	44	0	0	23	0	72	36	2	2	57	148
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	1.00	0.00	0.00	1.00	1.00	0.65	0.33	0.02	0.01	0.28	0.71
Final Sat.:	0	728	0	0	659	755	529	265	15	9	260	674
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.06	xxxx	xxxx	0.03	0.00	0.14	0.14	0.14	0.22	0.22	0.22
Crit Moves:		****			****			****			****	
Delay/Veh:	0.0	7.9	0.0	0.0	8.0	0.0	8.0	8.0	8.0	7.8	7.8	7.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	7.9	0.0	0.0	8.0	0.0	8.0	8.0	8.0	7.8	7.8	7.8
LOS by Move:	*	A	*	*	A	*	A	A	A	A	A	A
ApproachDel:		7.9			8.0			8.0			7.8	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.9			8.0			8.0			7.8	
LOS by Appr:		A			A			A			A	
AllWayAvgQ:	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.3	0.3

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #4 Ginger Lane & Clove Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 0 1	0	0	0 1	0	0 1	0 0 1!	0	0	0 0 1!	0	0
Initial Vol:	0	44	0	0	23	0	72	36	2	2	57	148

Major Street Volume: 317
Minor Approach Volume: 44
Minor Approach Volume Threshold: 526

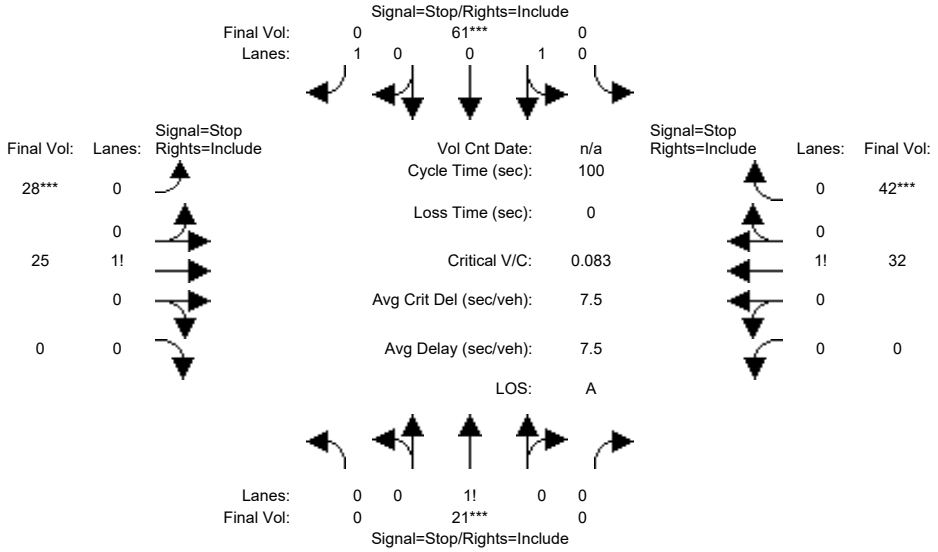
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Background PM

Intersection #4: Ginger Lane & Clove Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	21	0	0	61	0	28	25	0	0	32	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	21	0	0	61	0	28	25	0	0	32	42
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	21	0	0	61	0	28	25	0	0	32	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	21	0	0	61	0	28	25	0	0	32	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	21	0	0	61	0	28	25	0	0	32	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	21	0	0	61	0	28	25	0	0	32	42
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	1.00	0.00	0.00	1.00	1.00	0.53	0.47	0.00	0.00	0.43	0.57
Final Sat.:	0	809	0	0	737	860	437	390	0	0	400	525
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	xxxx	xxxx	0.08	0.00	0.06	0.06	xxxx	xxxx	0.08	0.08
Crit Moves:		****			****		****					****
Delay/Veh:	0.0	7.4	0.0	0.0	7.9	0.0	7.6	7.6	0.0	0.0	7.1	7.1
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	7.4	0.0	0.0	7.9	0.0	7.6	7.6	0.0	0.0	7.1	7.1
LOS by Move:	*	A	*	*	A	*	A	A	*	*	A	A
ApproachDel:		7.4			7.9			7.6			7.1	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.4			7.9			7.6			7.1	
LOS by Appr:		A			A			A			A	
AllWayAvgQ:	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #4 Ginger Lane & Clove Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 0 1	0	0	0 1	0	0 1	0 1	0	0 0	0 0	0 1	0
Initial Vol:	0	21	0	0	61	0	28	25	0	0	32	42

Major Street Volume: 127
Minor Approach Volume: 61
Minor Approach Volume Threshold: 942

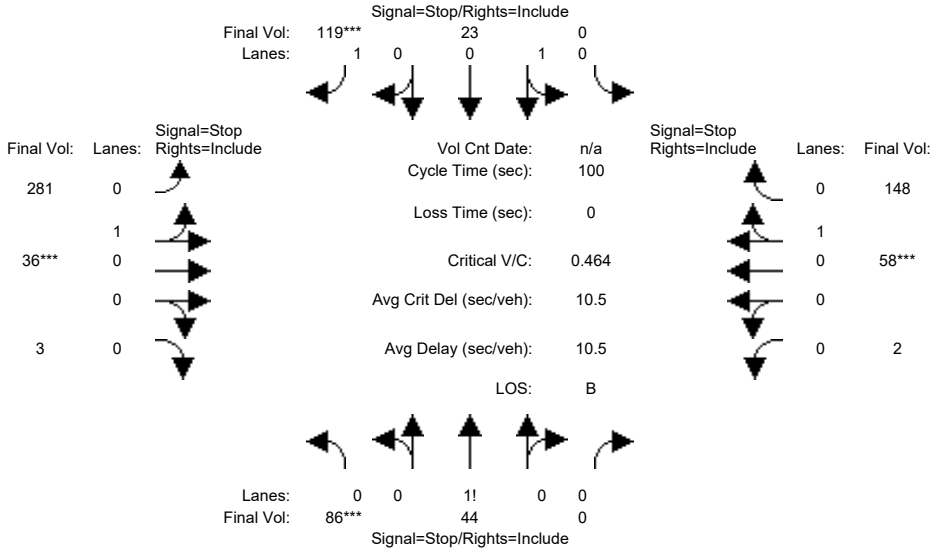
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Background + Project AM

Intersection #4: Ginger Lane & Clove Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	79	44	0	0	23	96	270	36	2	2	57	148
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	79	44	0	0	23	96	270	36	2	2	57	148
Added Vol:	7	0	0	0	0	23	11	0	1	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	86	44	0	0	23	119	281	36	3	2	58	148
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	86	44	0	0	23	119	281	36	3	2	58	148
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	86	44	0	0	23	119	281	36	3	2	58	148
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	86	44	0	0	23	119	281	36	3	2	58	148
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.66	0.34	0.00	0.00	1.00	1.00	0.88	0.11	0.01	0.01	0.28	0.71
Final Sat.:	392	201	0	0	562	632	605	78	6	7	205	523
Capacity Analysis Module:												
Vol/Sat:	0.22	0.22	xxxx	xxxx	0.04	0.19	0.46	0.46	0.46	0.28	0.28	0.28
Crit Moves:	****					****		****			****	
Delay/Veh:	10.0	10.0	0.0	0.0	8.9	9.0	12.1	12.1	12.1	9.3	9.3	9.3
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.0	10.0	0.0	0.0	8.9	9.0	12.1	12.1	12.1	9.3	9.3	9.3
LOS by Move:	B	B	*	*	A	A	B	B	B	A	A	A
ApproachDel:	10.0			9.0			12.1			9.3		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.0			9.0			12.1			9.3		
LOS by Appr:	B			A			B			A		
AllWayAvgQ:	0.2	0.2	0.2	0.0	0.0	0.2	0.8	0.8	0.8	0.3	0.3	0.3

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #4 Ginger Lane & Clove Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 1	0 0	0	0 1	0 0	1	0 0	1! 0	0	0 0	1! 0	0
Initial Vol:	86	44	0	0	23	119	281	36	3	2	58	148

Major Street Volume: 528
Minor Approach Volume: 142
Minor Approach Volume Threshold: 493

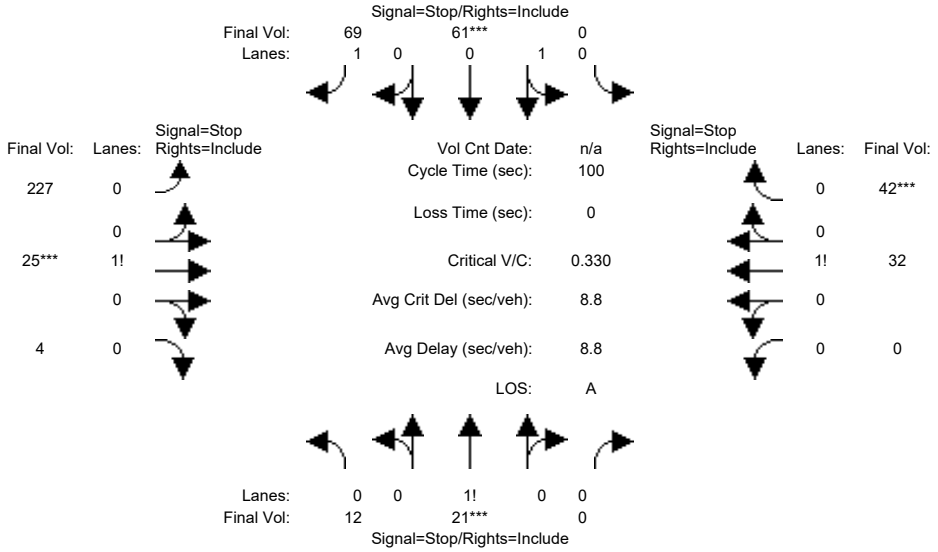
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
Background + Project PM

Intersection #4: Ginger Lane & Clove Drive



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	9	21	0	0	61	60	198	25	0	0	32	42
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	21	0	0	61	60	198	25	0	0	32	42
Added Vol:	3	0	0	0	0	9	29	0	4	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	12	21	0	0	61	69	227	25	4	0	32	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	12	21	0	0	61	69	227	25	4	0	32	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	21	0	0	61	69	227	25	4	0	32	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	12	21	0	0	61	69	227	25	4	0	32	42
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.36	0.64	0.00	0.00	1.00	1.00	0.89	0.10	0.01	0.00	0.43	0.57
Final Sat.:	247	432	0	0	650	744	687	76	12	0	352	462
Capacity Analysis Module:												
Vol/Sat:	0.05	0.05	xxxx	xxxx	0.09	0.09	0.33	0.33	0.33	xxxx	0.09	0.09
Crit Moves:		****			****			****				****
Delay/Veh:	8.2	8.2	0.0	0.0	8.5	7.7	9.7	9.7	9.7	0.0	7.6	7.6
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	8.2	8.2	0.0	0.0	8.5	7.7	9.7	9.7	9.7	0.0	7.6	7.6
LOS by Move:	A	A	*	*	A	A	A	A	A	*	A	A
ApproachDel:		8.2			8.1			9.7			7.6	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		8.2			8.1			9.7			7.6	
LOS by Appr:		A			A			A			A	
AllWayAvgQ:	0.0	0.0	0.0	0.1	0.1	0.1	0.5	0.5	0.5	0.1	0.1	0.1

Note: Queue reported is the number of cars per lane.

Peak Hour Volume Signal Warrant Report [Urban]

****

Intersection #4 Ginger Lane & Clove Drive

****

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Lanes:	0 1	0 0	0	0 1	0 0	1	0 0	1! 0	0	0 0	0 1	0
Initial Vol:	12	21	0	0	61	69	227	25	4	0	32	42

Major Street Volume: 330
Minor Approach Volume: 130
Minor Approach Volume Threshold: 641

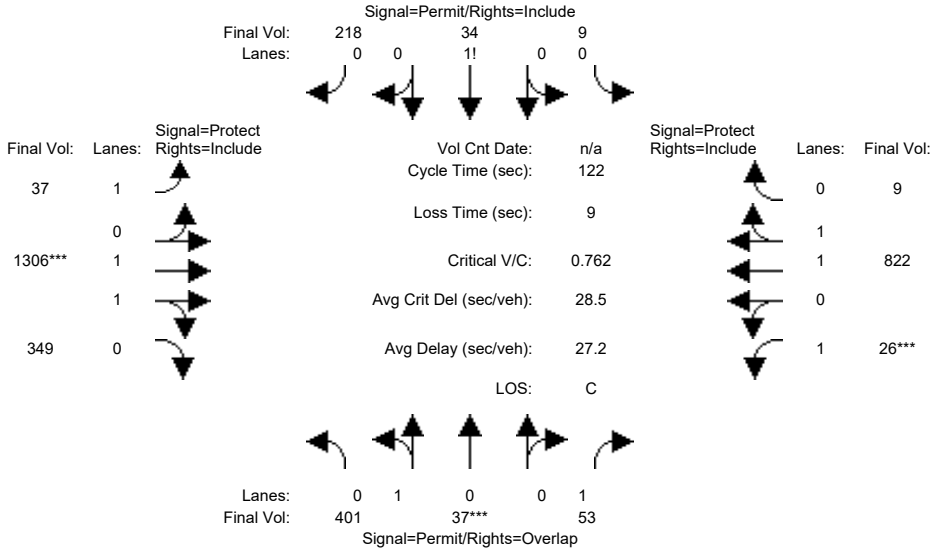
SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background AM

Intersection #3712: MOORPARK/THORNTON

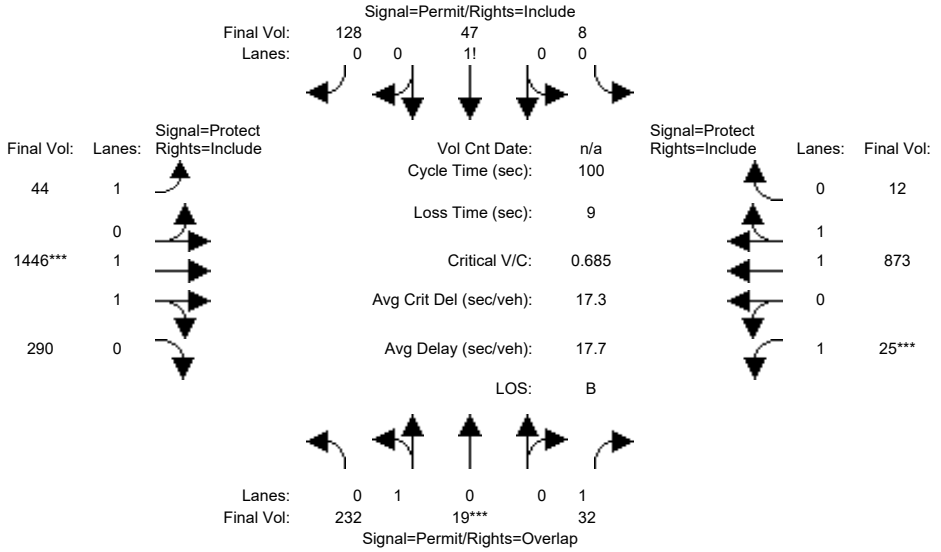


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	401	37	53	9	34	218	37	1306	349	26	822	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	401	37	53	9	34	218	37	1306	349	26	822	9
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	401	37	53	9	34	218	37	1306	349	26	822	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	401	37	53	9	34	218	37	1306	349	26	822	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	401	37	53	9	34	218	37	1306	349	26	822	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	401	37	53	9	34	218	37	1306	349	26	822	9
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	0.92	0.08	1.00	0.03	0.13	0.84	1.00	1.57	0.43	1.00	1.98	0.02
Final Sat.:	1648	152	1750	60	228	1462	1750	2919	780	1750	3660	40
Capacity Analysis Module:												
Vol/Sat:	0.24	0.24	0.03	0.15	0.15	0.15	0.02	0.45	0.45	0.01	0.22	0.22
Crit Moves:		****						****		****		
Green/Cycle:	0.31	0.31	0.36	0.31	0.31	0.31	0.13	0.56	0.56	0.06	0.49	0.49
Volume/Cap:	0.79	0.79	0.08	0.49	0.49	0.49	0.17	0.79	0.79	0.26	0.45	0.45
Uniform Del:	38.8	38.8	25.5	34.5	34.5	34.5	47.6	21.1	21.1	55.0	20.1	20.1
IncremntDel:	7.9	7.9	0.1	0.7	0.7	0.7	0.4	2.2	2.2	1.4	0.2	0.2
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	46.7	46.7	25.5	35.2	35.2	35.2	47.9	23.3	23.3	56.4	20.3	20.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	46.7	46.7	25.5	35.2	35.2	35.2	47.9	23.3	23.3	56.4	20.3	20.3
LOS by Move:	D	D	C	D	D	D	D	C	C	E	C	C
HCM2kAvgQ:	18	18	1	9	9	9	1	26	26	1	10	10

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background PM

Intersection #3712: MOORPARK/THORNTON

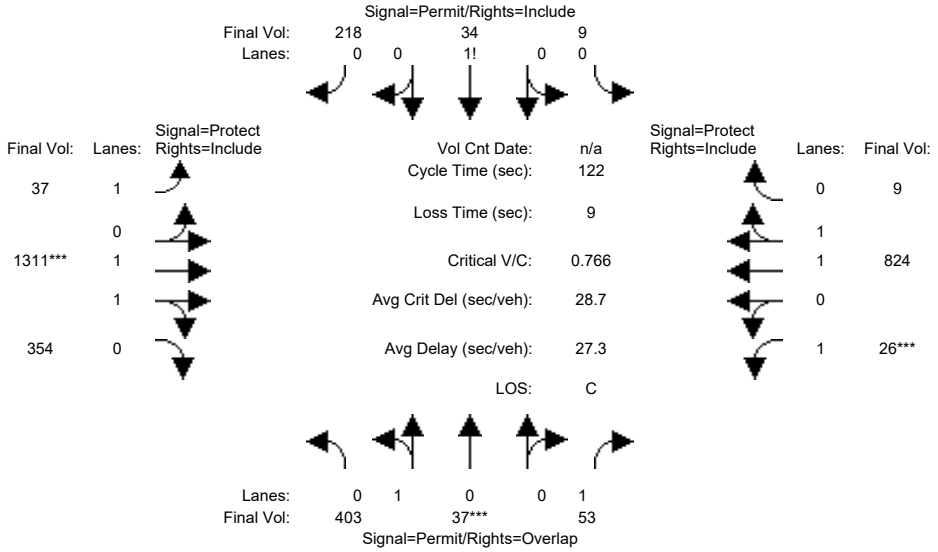


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	232	19	32	8	47	128	44	1446	290	25	873	12
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	232	19	32	8	47	128	44	1446	290	25	873	12
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	232	19	32	8	47	128	44	1446	290	25	873	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	232	19	32	8	47	128	44	1446	290	25	873	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	232	19	32	8	47	128	44	1446	290	25	873	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	232	19	32	8	47	128	44	1446	290	25	873	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	0.92	0.08	1.00	0.04	0.26	0.70	1.00	1.66	0.34	1.00	1.97	0.03
Final Sat.:	1664	136	1750	77	449	1224	1750	3081	618	1750	3650	50
Capacity Analysis Module:												
Vol/Sat:	0.14	0.14	0.02	0.10	0.10	0.10	0.03	0.47	0.47	0.01	0.24	0.24
Crit Moves:		****						****		****		
Green/Cycle:	0.19	0.19	0.26	0.19	0.19	0.19	0.16	0.65	0.65	0.07	0.56	0.56
Volume/Cap:	0.72	0.72	0.07	0.54	0.54	0.54	0.15	0.72	0.72	0.20	0.43	0.43
Uniform Del:	37.9	37.9	27.7	36.4	36.4	36.4	36.0	11.7	11.7	43.9	13.0	13.0
IncremntDel:	7.4	7.4	0.1	1.8	1.8	1.8	0.3	1.1	1.1	0.8	0.1	0.1
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	45.3	45.3	27.8	38.2	38.2	38.2	36.2	12.8	12.8	44.7	13.2	13.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	45.3	45.3	27.8	38.2	38.2	38.2	36.2	12.8	12.8	44.7	13.2	13.2
LOS by Move:	D	D	C	D	D	D	D	B	B	D	B	B
HCM2kAvgQ:	9	9	1	6	6	6	1	19	19	1	8	8

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background + Project AM

Intersection #3712: MOORPARK/THORNTON

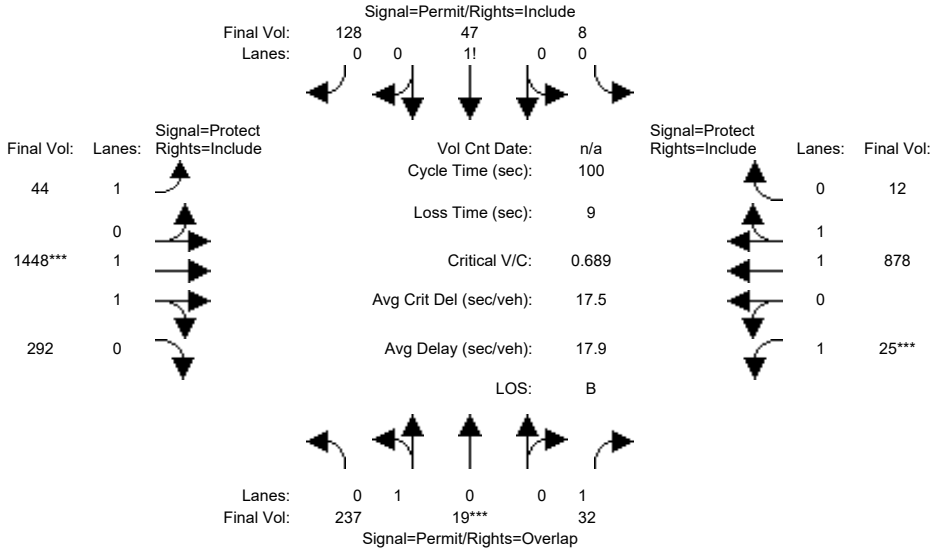


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	401	37	53	9	34	218	37	1306	349	26	822	9
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	401	37	53	9	34	218	37	1306	349	26	822	9
Added Vol:	2	0	0	0	0	0	0	5	5	0	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	403	37	53	9	34	218	37	1311	354	26	824	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	403	37	53	9	34	218	37	1311	354	26	824	9
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	403	37	53	9	34	218	37	1311	354	26	824	9
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	403	37	53	9	34	218	37	1311	354	26	824	9
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	0.92	0.08	1.00	0.03	0.13	0.84	1.00	1.56	0.44	1.00	1.98	0.02
Final Sat.:	1649	151	1750	60	228	1462	1750	2913	787	1750	3660	40
Capacity Analysis Module:												
Vol/Sat:	0.24	0.24	0.03	0.15	0.15	0.15	0.02	0.45	0.45	0.01	0.23	0.23
Crit Moves:		****						****		****		
Green/Cycle:	0.31	0.31	0.36	0.31	0.31	0.31	0.13	0.56	0.56	0.06	0.49	0.49
Volume/Cap:	0.80	0.80	0.08	0.49	0.49	0.49	0.17	0.80	0.80	0.26	0.46	0.46
Uniform Del:	38.9	38.9	25.5	34.5	34.5	34.5	47.6	21.2	21.2	55.0	20.1	20.1
IncremntDel:	8.1	8.1	0.1	0.7	0.7	0.7	0.4	2.3	2.3	1.4	0.2	0.2
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	47.0	47.0	25.6	35.3	35.3	35.3	48.0	23.5	23.5	56.4	20.3	20.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.0	47.0	25.6	35.3	35.3	35.3	48.0	23.5	23.5	56.4	20.3	20.3
LOS by Move:	D	D	C	D	D	D	D	C	C	E	C	C
HCM2kAvgQ:	18	18	1	9	9	9	1	27	27	1	10	10

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background + Project PM

Intersection #3712: MOORPARK/THORNTON

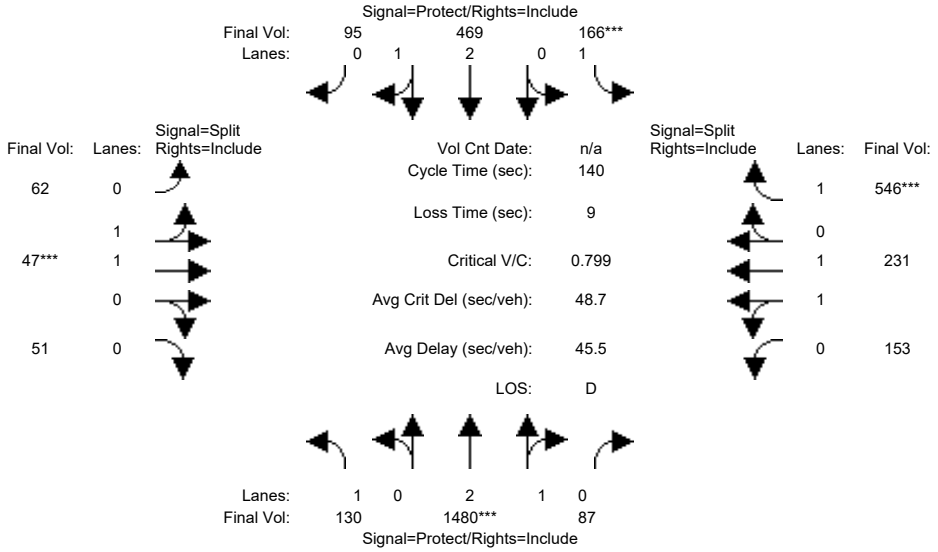


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	10	10	10	10	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	232	19	32	8	47	128	44	1446	290	25	873	12
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	232	19	32	8	47	128	44	1446	290	25	873	12
Added Vol:	5	0	0	0	0	0	0	2	2	0	5	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	237	19	32	8	47	128	44	1448	292	25	878	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	237	19	32	8	47	128	44	1448	292	25	878	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	237	19	32	8	47	128	44	1448	292	25	878	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	237	19	32	8	47	128	44	1448	292	25	878	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.92	0.92	0.92	0.92	0.92	0.98	0.95	0.92	0.97	0.95
Lanes:	0.93	0.07	1.00	0.04	0.26	0.70	1.00	1.66	0.34	1.00	1.97	0.03
Final Sat.:	1666	134	1750	77	449	1224	1750	3079	621	1750	3650	50
Capacity Analysis Module:												
Vol/Sat:	0.14	0.14	0.02	0.10	0.10	0.10	0.03	0.47	0.47	0.01	0.24	0.24
Crit Moves:		****						****		****		
Green/Cycle:	0.20	0.20	0.27	0.20	0.20	0.20	0.16	0.64	0.64	0.07	0.55	0.55
Volume/Cap:	0.73	0.73	0.07	0.54	0.54	0.54	0.16	0.73	0.73	0.20	0.43	0.43
Uniform Del:	37.8	37.8	27.5	36.2	36.2	36.2	36.1	11.9	11.9	43.9	13.1	13.1
IncremntDel:	7.6	7.6	0.1	1.7	1.7	1.7	0.3	1.2	1.2	0.8	0.1	0.1
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	45.3	45.3	27.6	37.9	37.9	37.9	36.3	13.1	13.1	44.7	13.3	13.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	45.3	45.3	27.6	37.9	37.9	37.9	36.3	13.1	13.1	44.7	13.3	13.3
LOS by Move:	D	D	C	D	D	D	D	B	B	D	B	B
HCM2kAvgQ:	9	9	1	6	6	6	1	19	19	1	8	8

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background AM

Intersection #5009: BASCOM/FRUITDALE

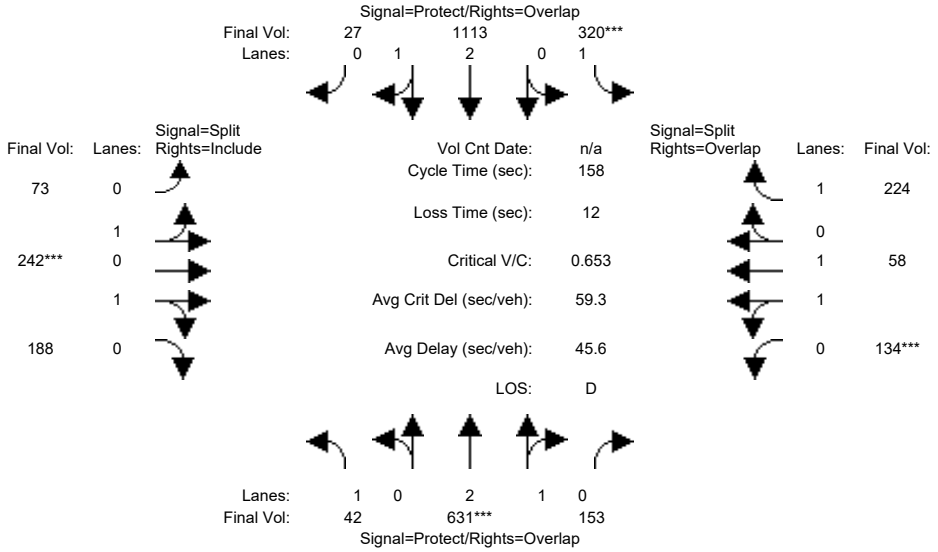


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	130	1480	87	166	469	95	62	47	51	153	231	546
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	130	1480	87	166	469	95	62	47	51	153	231	546
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	130	1480	87	166	469	95	62	47	51	153	231	546
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	130	1480	87	166	469	95	62	47	51	153	231	546
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	130	1480	87	166	469	95	62	47	51	153	231	546
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	130	1480	87	166	469	95	62	47	51	153	231	546
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.99	0.95	0.49	0.95	0.95	0.60	0.99	0.92
Lanes:	1.00	2.83	0.17	1.00	2.48	0.52	1.10	0.43	0.47	1.00	1.00	1.00
Final Sat.:	1750	5289	311	1750	4655	943	1021	774	840	1131	1883	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.28	0.28	0.09	0.10	0.10	0.06	0.06	0.06	0.14	0.12	0.31
Crit Moves:		****		****				****				****
Green/Cycle:	0.20	0.35	0.35	0.12	0.27	0.27	0.08	0.08	0.08	0.39	0.39	0.39
Volume/Cap:	0.37	0.80	0.80	0.80	0.37	0.37	0.80	0.80	0.80	0.35	0.31	0.80
Uniform Del:	48.5	41.0	41.0	60.1	41.5	41.5	63.6	63.6	63.6	30.1	29.6	37.8
IncremntDel:	0.7	2.4	2.4	19.2	0.2	0.2	19.8	19.8	19.8	0.2	0.1	6.6
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	49.2	43.4	43.4	79.3	41.6	41.6	83.5	83.5	83.5	30.3	29.8	44.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	49.2	43.4	43.4	79.3	41.6	41.6	83.5	83.5	83.5	30.3	29.8	44.4
LOS by Move:	D	D	D	E	D	D	F	F	F	C	C	D
HCM2kAvgQ:	5	22	22	8	6	6	4	7	7	5	7	24

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background PM

Intersection #5009: BASCOM/FRUITDALE

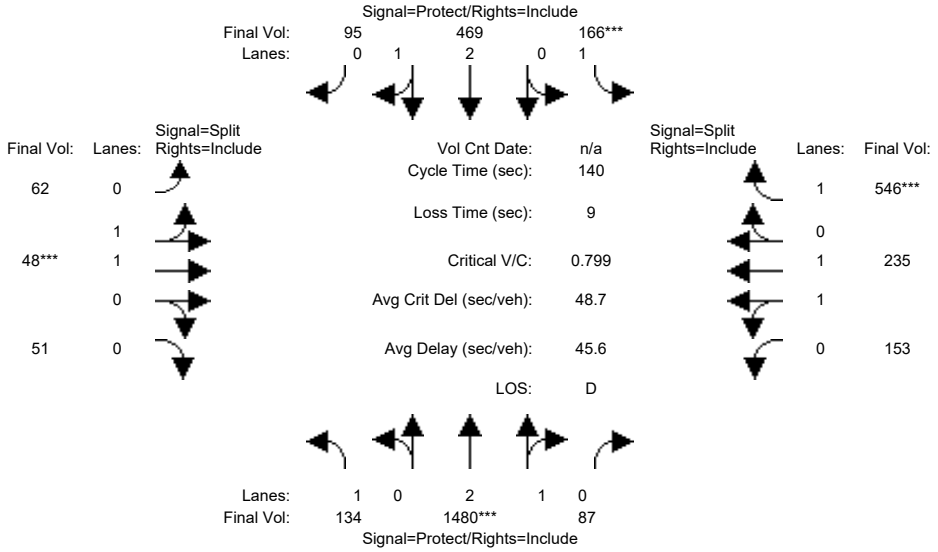


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	8	45	45	35	72	72	27	32	32	36	31	31
Y+R:	5.1	5.1	5.1	5.0	5.1	5.1	5.4	5.4	5.4	5.2	5.2	5.2
Volume Module:												
Base Vol:	42	631	153	320	1113	27	73	242	188	134	58	224
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	42	631	153	320	1113	27	73	242	188	134	58	224
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	42	631	153	320	1113	27	73	242	188	134	58	224
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	42	631	153	320	1113	27	73	242	188	134	58	224
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	631	153	320	1113	27	73	242	188	134	58	224
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	42	631	153	320	1113	27	73	242	188	134	58	224
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.99	0.95	0.92	0.98	0.95	0.49	0.95	0.95	0.58	1.00	0.92
Lanes:	1.00	2.39	0.61	1.00	2.93	0.07	0.50	0.84	0.66	1.00	1.00	1.00
Final Sat.:	1750	4506	1093	1750	5467	133	459	1523	1183	1100	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.14	0.14	0.18	0.20	0.20	0.16	0.16	0.16	0.12	0.03	0.13
Crit Moves:		****		****				****		****		
Green/Cycle:	0.05	0.28	0.51	0.22	0.45	0.65	0.20	0.20	0.20	0.23	0.23	0.44
Volume/Cap:	0.48	0.50	0.28	0.84	0.45	0.31	0.79	0.79	0.79	0.54	0.14	0.29
Uniform Del:	74.0	48.1	22.7	59.8	30.4	12.3	60.9	60.9	60.9	54.7	49.6	28.4
IncremntDel:	4.1	0.2	0.1	14.7	0.1	0.0	6.9	6.9	6.9	1.7	0.0	0.2
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	78.1	48.3	22.7	74.5	30.5	12.4	67.7	67.7	67.7	56.4	49.6	28.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	78.1	48.3	22.7	74.5	30.5	12.4	67.7	67.7	67.7	56.4	49.6	28.6
LOS by Move:	E	D	C	E	C	B	E	E	E	E	D	C
HCM2kAvgQ:	3	11	7	17	13	8	9	16	16	7	2	7

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background + Project AM

Intersection #5009: BASCOM/FRUITDALE

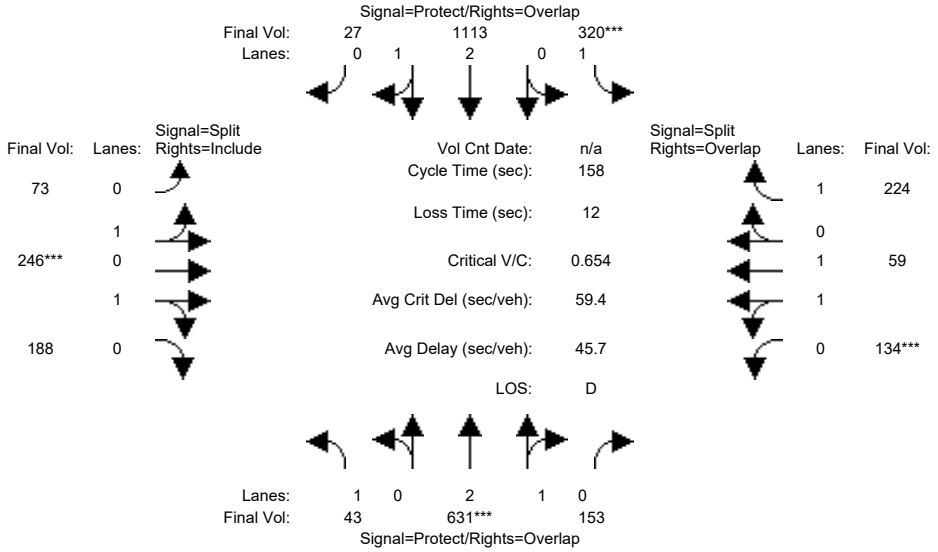


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	10	10	10	10	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	130	1480	87	166	469	95	62	47	51	153	231	546
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	130	1480	87	166	469	95	62	47	51	153	231	546
Added Vol:	4	0	0	0	0	0	0	1	0	0	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	134	1480	87	166	469	95	62	48	51	153	235	546
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	134	1480	87	166	469	95	62	48	51	153	235	546
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	134	1480	87	166	469	95	62	48	51	153	235	546
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	134	1480	87	166	469	95	62	48	51	153	235	546
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.98	0.95	0.92	0.99	0.95	0.49	0.95	0.95	0.60	0.99	0.92
Lanes:	1.00	2.83	0.17	1.00	2.48	0.52	1.10	0.44	0.46	1.00	1.00	1.00
Final Sat.:	1750	5289	311	1750	4655	943	1017	787	836	1131	1883	1750
Capacity Analysis Module:												
Vol/Sat:	0.08	0.28	0.28	0.09	0.10	0.10	0.06	0.06	0.06	0.14	0.12	0.31
Crit Moves:		****		****				****				****
Green/Cycle:	0.20	0.35	0.35	0.12	0.27	0.27	0.08	0.08	0.08	0.39	0.39	0.39
Volume/Cap:	0.38	0.80	0.80	0.80	0.38	0.38	0.80	0.80	0.80	0.35	0.32	0.80
Uniform Del:	48.2	41.0	41.0	60.1	41.9	41.9	63.6	63.6	63.6	30.1	29.7	37.8
IncremntDel:	0.7	2.4	2.4	19.3	0.2	0.2	19.8	19.8	19.8	0.2	0.2	6.6
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	48.9	43.5	43.5	79.3	42.1	42.1	83.4	83.4	83.4	30.3	29.9	44.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	48.9	43.5	43.5	79.3	42.1	42.1	83.4	83.4	83.4	30.3	29.9	44.4
LOS by Move:	D	D	D	E	D	D	F	F	F	C	C	D
HCM2kAvgQ:	5	22	22	8	6	6	4	7	7	5	7	24

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background + Project PM

Intersection #5009: BASCOM/FRUITDALE

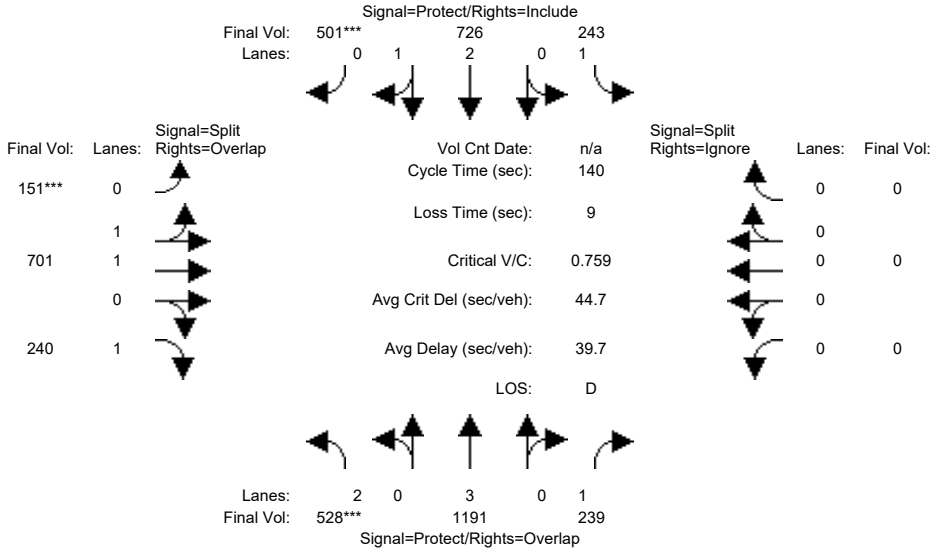


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	8	45	45	35	72	72	27	32	32	36	31	31
Y+R:	5.1	5.1	5.1	5.0	5.1	5.1	5.4	5.4	5.4	5.2	5.2	5.2
Volume Module:												
Base Vol:	42	631	153	320	1113	27	73	242	188	134	58	224
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	42	631	153	320	1113	27	73	242	188	134	58	224
Added Vol:	1	0	0	0	0	0	0	4	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	43	631	153	320	1113	27	73	246	188	134	59	224
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	43	631	153	320	1113	27	73	246	188	134	59	224
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	631	153	320	1113	27	73	246	188	134	59	224
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	43	631	153	320	1113	27	73	246	188	134	59	224
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.99	0.95	0.92	0.98	0.95	0.49	0.95	0.95	0.58	1.00	0.92
Lanes:	1.00	2.39	0.61	1.00	2.93	0.07	0.49	0.86	0.65	1.00	1.00	1.00
Final Sat.:	1750	4506	1093	1750	5467	133	456	1538	1175	1100	1900	1750
Capacity Analysis Module:												
Vol/Sat:	0.02	0.14	0.14	0.18	0.20	0.20	0.16	0.16	0.16	0.12	0.03	0.13
Crit Moves:		****		****				****		****		
Green/Cycle:	0.05	0.28	0.51	0.22	0.45	0.65	0.20	0.20	0.20	0.23	0.23	0.44
Volume/Cap:	0.49	0.50	0.28	0.84	0.45	0.31	0.80	0.80	0.80	0.54	0.14	0.29
Uniform Del:	74.0	48.1	22.7	59.8	30.4	12.3	61.0	61.0	61.0	54.7	49.6	28.4
IncremntDel:	4.3	0.2	0.1	14.7	0.1	0.0	7.2	7.2	7.2	1.7	0.0	0.2
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Delay/Veh:	78.3	48.3	22.7	74.5	30.5	12.4	68.1	68.1	68.1	56.4	49.6	28.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	78.3	48.3	22.7	74.5	30.5	12.4	68.1	68.1	68.1	56.4	49.6	28.6
LOS by Move:	E	D	C	E	C	B	E	E	E	E	D	C
HCM2kAvgQ:	3	11	7	17	13	8	9	16	16	7	2	7

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background AM

Intersection #5012: BASCOM AVE/MOORPARK AVE

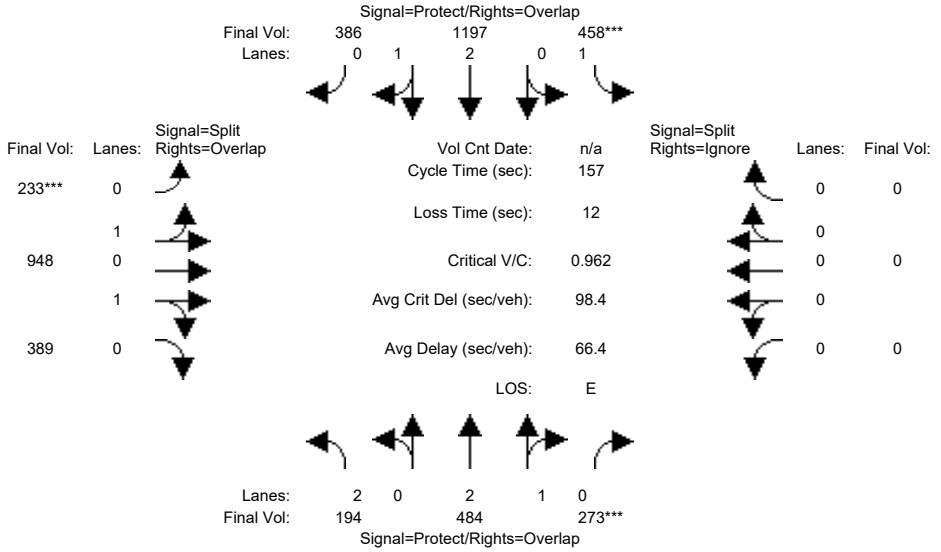


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	10	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	528	1191	239	243	726	501	151	701	240	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	528	1191	239	243	726	501	151	701	240	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	528	1191	239	243	726	501	151	701	240	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	528	1191	239	243	726	501	151	701	240	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	528	1191	239	243	726	501	151	701	240	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	528	1191	239	243	726	501	151	701	240	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.95	0.86	0.92	0.92	1.00	0.92
Lanes:	2.00	3.00	1.00	1.00	2.00	1.00	0.33	1.67	1.00	0.00	0.00	0.00
Final Sat.:	3150	5700	1750	1750	3800	1750	590	2738	1750	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.17	0.21	0.14	0.14	0.19	0.29	0.26	0.26	0.14	0.00	0.00	0.00
Crit Moves:	****					****	****					
Green/Cycle:	0.22	0.36	0.36	0.24	0.38	0.38	0.34	0.34	0.56	0.00	0.00	0.00
Volume/Cap:	0.76	0.58	0.38	0.58	0.51	0.76	0.76	0.76	0.25	0.00	0.00	0.00
Uniform Del:	51.0	36.3	33.3	47.1	33.5	38.0	41.3	41.3	15.8	0.0	0.0	0.0
IncremntDel:	4.8	0.4	0.4	2.1	0.2	2.1	3.0	3.0	0.1	0.0	0.0	0.0
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
Delay/Veh:	55.9	36.7	33.7	49.2	33.7	40.2	44.4	44.4	16.0	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	55.9	36.7	33.7	49.2	33.7	40.2	44.4	44.4	16.0	0.0	0.0	0.0
LOS by Move:	E	D	C	D	C	D	D	D	B	A	A	A
HCM2kAvgQ:	13	13	8	10	12	21	19	17	5	0	0	0

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background PM

Intersection #5012: BASCOM AVE/MOORPARK AVE

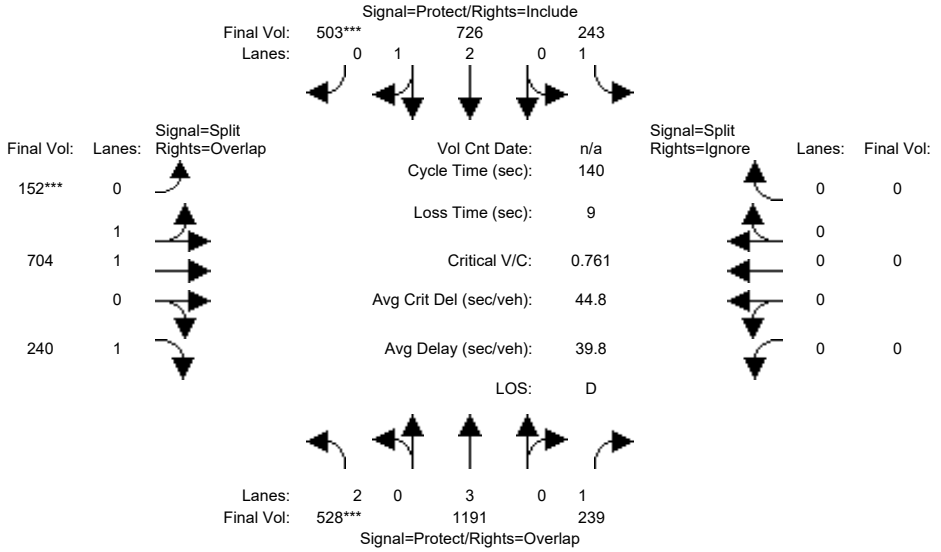


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	16	35	35	47	66	66	65	65	65	0	0	0
Y+R:	4.8	5.1	5.1	4.6	5.1	5.1	5.6	5.6	5.6	0.0	0.0	0.0
Volume Module:												
Base Vol:	194	484	273	458	1197	386	233	948	389	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	194	484	273	458	1197	386	233	948	389	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	194	484	273	458	1197	386	233	948	389	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	194	484	273	458	1197	386	233	948	389	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	194	484	273	458	1197	386	233	948	389	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	194	484	273	458	1197	386	233	948	389	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	0.99	0.95	0.95	0.83	0.95	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	1.00	2.24	0.76	0.27	1.27	0.46	0.00	0.00	0.00
Final Sat.:	3150	3800	1750	1750	4233	1365	494	2008	824	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.06	0.13	0.16	0.26	0.28	0.28	0.47	0.47	0.47	0.00	0.00	0.00
Crit Moves:			****	****			****					
Green/Cycle:	0.10	0.22	0.22	0.30	0.42	0.82	0.41	0.41	0.51	0.00	0.00	0.00
Volume/Cap:	0.61	0.58	0.71	0.89	0.68	0.34	1.15	1.15	0.93	0.00	0.00	0.00
Uniform Del:	68.5	55.4	57.3	53.4	37.9	3.4	47.0	47.0	36.2	0.0	0.0	0.0
IncremntDel:	3.5	0.7	2.2	16.6	0.8	0.0	78.4	78.4	9.2	0.0	0.0	0.0
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
Delay/Veh:	72.0	56.1	59.5	70.0	38.8	3.5	125.4	125	45.5	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	72.0	56.1	59.5	70.0	38.8	3.5	125.4	125	45.5	0.0	0.0	0.0
LOS by Move:	E	E	E	E	D	A	F	F	D	A	A	A
HCM2kAvgQ:	5	10	13	26	21	6	59	52	44	0	0	0

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background + Project AM

Intersection #5012: BASCOM AVE/MOORPARK AVE

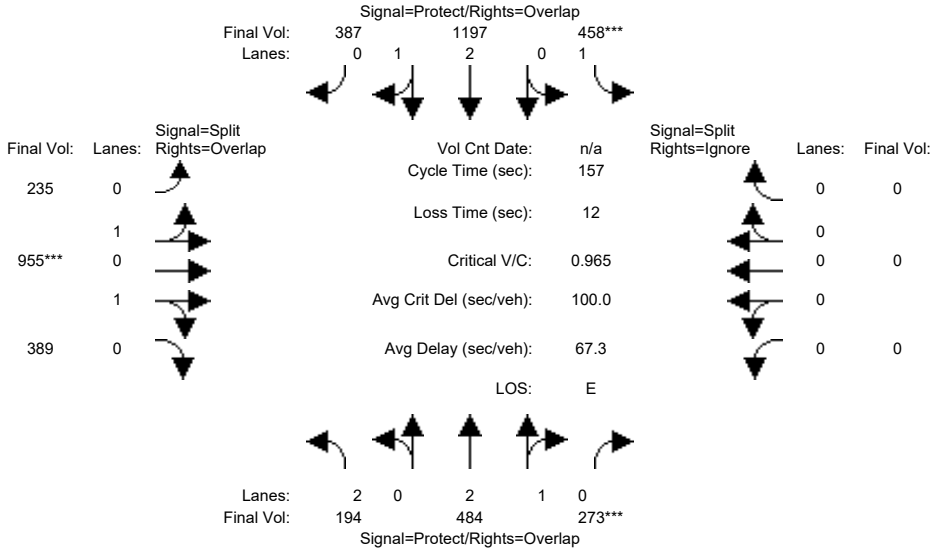


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	7	10	10	7	10	10	10	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	528	1191	239	243	726	501	151	701	240	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	528	1191	239	243	726	501	151	701	240	0	0	0
Added Vol:	0	0	0	0	0	2	1	3	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	528	1191	239	243	726	503	152	704	240	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	528	1191	239	243	726	503	152	704	240	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	528	1191	239	243	726	503	152	704	240	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	528	1191	239	243	726	503	152	704	240	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	1.00	0.92	0.95	0.86	0.92	0.92	1.00	0.92
Lanes:	2.00	3.00	1.00	1.00	2.00	1.00	0.33	1.67	1.00	0.00	0.00	0.00
Final Sat.:	3150	5700	1750	1750	3800	1750	591	2737	1750	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.17	0.21	0.14	0.14	0.19	0.29	0.26	0.26	0.14	0.00	0.00	0.00
Crit Moves:	****					****	****					
Green/Cycle:	0.22	0.36	0.36	0.24	0.38	0.38	0.34	0.34	0.56	0.00	0.00	0.00
Volume/Cap:	0.76	0.58	0.38	0.58	0.51	0.76	0.76	0.76	0.25	0.00	0.00	0.00
Uniform Del:	51.1	36.3	33.3	47.1	33.5	38.1	41.3	41.3	15.8	0.0	0.0	0.0
IncremntDel:	4.9	0.4	0.4	2.1	0.2	2.2	3.1	3.1	0.1	0.0	0.0	0.0
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
Delay/Veh:	56.1	36.8	33.7	49.2	33.7	40.2	44.4	44.4	16.0	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	56.1	36.8	33.7	49.2	33.7	40.2	44.4	44.4	16.0	0.0	0.0	0.0
LOS by Move:	E	D	C	D	C	D	D	D	B	A	A	A
HCM2kAvgQ:	13	13	8	10	12	21	19	17	5	0	0	0

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background + Project PM

Intersection #5012: BASCOM AVE/MOORPARK AVE

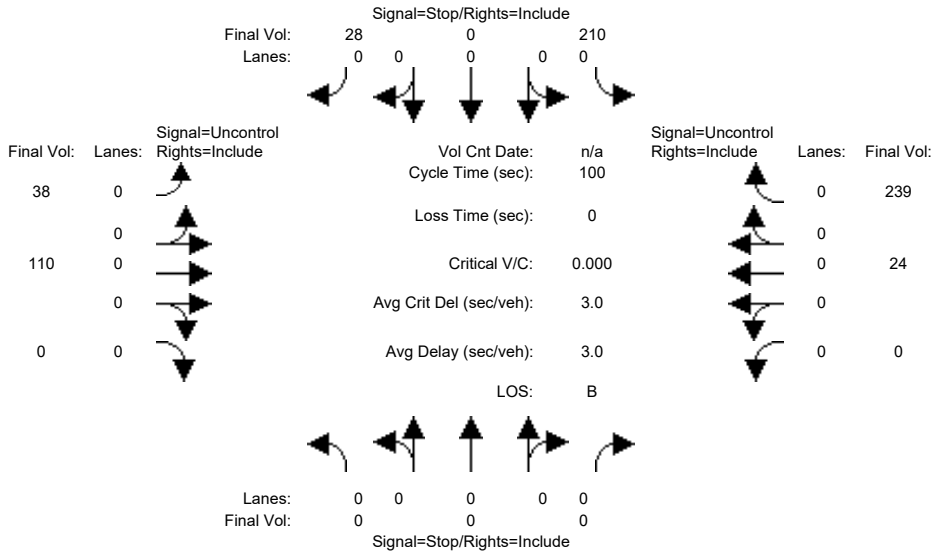


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	16	35	35	47	66	66	65	65	65	0	0	0
Y+R:	4.8	5.1	5.1	4.6	5.1	5.1	5.6	5.6	5.6	0.0	0.0	0.0
Volume Module:												
Base Vol:	194	484	273	458	1197	386	233	948	389	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	194	484	273	458	1197	386	233	948	389	0	0	0
Added Vol:	0	0	0	0	0	1	2	7	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	194	484	273	458	1197	387	235	955	389	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
PHF Volume:	194	484	273	458	1197	387	235	955	389	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	194	484	273	458	1197	387	235	955	389	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00
FinalVolume:	194	484	273	458	1197	387	235	955	389	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.92	0.99	0.95	0.95	0.83	0.95	0.92	1.00	0.92
Lanes:	2.00	2.00	1.00	1.00	2.24	0.76	0.27	1.27	0.46	0.00	0.00	0.00
Final Sat.:	3150	3800	1750	1750	4230	1368	495	2011	819	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.06	0.13	0.16	0.26	0.28	0.28	0.47	0.47	0.47	0.00	0.00	0.00
Crit Moves:			****	****				****				
Green/Cycle:	0.10	0.22	0.22	0.30	0.42	0.82	0.41	0.41	0.51	0.00	0.00	0.00
Volume/Cap:	0.61	0.58	0.71	0.89	0.68	0.34	1.16	1.16	0.93	0.00	0.00	0.00
Uniform Del:	68.5	55.4	57.3	53.4	37.9	3.4	47.0	47.0	36.4	0.0	0.0	0.0
IncremntDel:	3.5	0.7	2.2	16.6	0.8	0.0	81.2	81.2	9.8	0.0	0.0	0.0
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
Delay/Veh:	72.0	56.1	59.5	70.0	38.8	3.5	128.2	128	46.2	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	72.0	56.1	59.5	70.0	38.8	3.5	128.2	128	46.2	0.0	0.0	0.0
LOS by Move:	E	E	E	E	D	A	F	F	D	A	A	A
HCM2kAvgQ:	5	10	13	26	21	6	56	49	38	0	0	0

Note: Queue reported is the number of cars per lane.

Level Of Service Computation Report
1994 HCM Unsignalized (Future Volume Alternative)
Background + Project AM

Intersection #30: New Driveway



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	198	0	26	33	110	0	0	24	208
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	198	0	26	33	110	0	0	24	208
Added Vol:	0	0	0	12	0	2	5	0	0	0	0	31
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	210	0	28	38	110	0	0	24	239
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	210	0	28	38	110	0	0	24	239
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	0	210	0	28	38	110	0	0	24	239
Adjusted Volume Module:												
Grade:	0%			0%			0%			0%		
% Cycle/Cars:	xxxx	xxxx		xxxx	xxxx		xxxx	xxxx		xxxx	xxxx	
% Truck/Comb:	xxxx	xxxx		xxxx	xxxx		xxxx	xxxx		xxxx	xxxx	
PCE Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.00	1.00	1.10	1.00	1.00
Cycl/Car PCE:	xxxx	xxxx		xxxx	xxxx		xxxx	xxxx		xxxx	xxxx	
Trck/Cmb PCE:	xxxx	xxxx		xxxx	xxxx		xxxx	xxxx		xxxx	xxxx	
Adj Vol.:	0	0	0	231	0	31	42	110	0	0	24	239
Critical Gap Module:												
MoveUp Time:	xxxxx	xxxx	xxxxx	3.4	xxxx	2.6	2.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Critical Gp:	xxxxx	xxxx	xxxxx	6.5	xxxx	5.5	5.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	292	xxxx	144	263	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	718	xxxx	1171	1285	xxxx	xxxxx	xxxx	xxxx	xxxxx
Adj Cap:	xxxx	xxxx	xxxxx	0.97	xxxx	1.00	1.00	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	693	xxxx	1171	1285	xxxx	xxxxx	xxxx	xxxx	xxxxx
Level Of Service Module:												
Control Del:	xxxxx	xxxx	xxxxx	7.5	xxxx	3.1	2.9	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	*	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	728	xxxxx	1285	xxxx	xxxxx	xxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	7.3	xxxxx	3.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	B	*	A	*	*	*	*	*
ApproachDel:	xxxxxx			7.3			0.8			0.0		
ApproachLOS:	*			B			A			A		

Peak Hour Delay Signal Warrant Report

****

Intersection #30 New Driveway

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Lanes:	0 0 0 0 0			0 0 1! 0 0			0 1 0 0 0			0 0 0 1 0		
Adj Vol.:	0	0	0	231	0	31	42	110	0	0	24	239
ApproachDel:	xxxxxx			7.3			0.8			0.0		

Approach[southbound][lanes=1][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=0.5]
FAIL - Vehicle-hours less than 4 for one lane approach.
Signal Warrant Rule #2: [approach volume=262]
SUCCEED - Approach volume greater than or equal to 100 for one lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=677]
SUCCEED - Total volume greater than or equal to 650 for intersection with less than four approaches.

SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Peak Hour Volume Signal Warrant Report [Urban]

Intersection #30 New Driveway

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Lanes:	0 0 0 0 0			0 0 1! 0 0			0 1 0 0 0			0 0 0 1 0		
Adj Vol.:	0	0	0	231	0	31	42	110	0	0	24	239

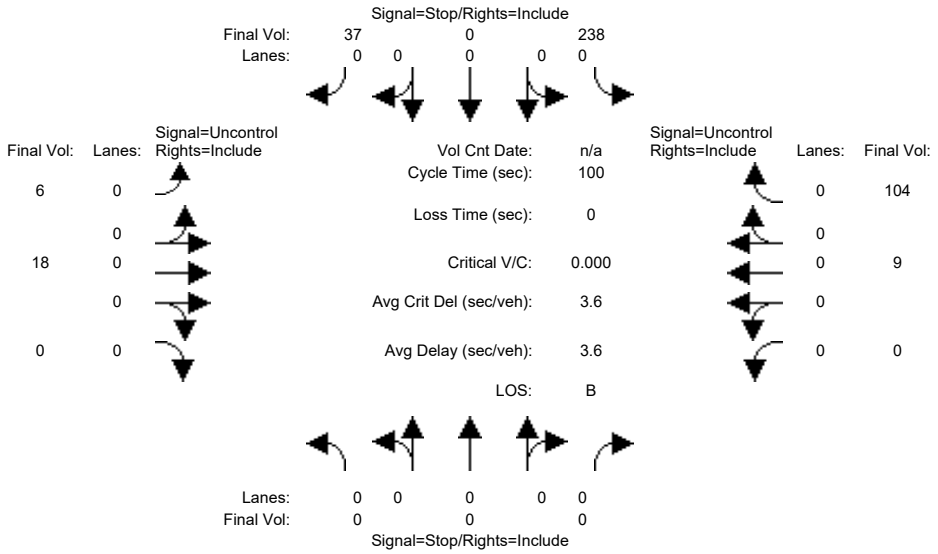
Major Street Volume: 415
Minor Approach Volume: 262
Minor Approach Volume Threshold: 454

SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Level Of Service Computation Report
1994 HCM Unsignalized (Future Volume Alternative)
Background + Project PM

Intersection #30: New Driveway



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	206	0	32	4	18	0	0	9	92
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	206	0	32	4	18	0	0	9	92
Added Vol:	0	0	0	32	0	5	2	0	0	0	0	12
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	238	0	37	6	18	0	0	9	104
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	238	0	37	6	18	0	0	9	104
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
FinalVolume:	0	0	0	238	0	37	6	18	0	0	9	104
Adjusted Volume Module:												
Grade:	0%			0%			0%			0%		
% Cycle/Cars:	xxxx	xxxx		xxxx	xxxx		xxxx	xxxx		xxxx	xxxx	
% Truck/Comb:	xxxx	xxxx		xxxx	xxxx		xxxx	xxxx		xxxx	xxxx	
PCE Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.00	1.00	1.10	1.00	1.00
Cycl/Car PCE:	xxxx	xxxx		xxxx	xxxx		xxxx	xxxx		xxxx	xxxx	
Trck/Cmb PCE:	xxxx	xxxx		xxxx	xxxx		xxxx	xxxx		xxxx	xxxx	
Adj Vol.:	0	0	0	262	0	41	7	18	0	0	9	104
Critical Gap Module:												
MoveUp Time:	xxxxx	xxxx	xxxxx	3.4	xxxx	2.6	2.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Critical Gp:	xxxxx	xxxx	xxxxx	6.5	xxxx	5.5	5.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	85	xxxx	61	113	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	945	xxxx	1290	1514	xxxx	xxxxx	xxxx	xxxx	xxxxx
Adj Cap:	xxxx	xxxx	xxxxx	1.00	xxxx	1.00	1.00	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	941	xxxx	1290	1514	xxxx	xxxxx	xxxx	xxxx	xxxxx
Level Of Service Module:												
Control Del:	xxxxx	xxxx	xxxxx	5.1	xxxx	2.9	2.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	*	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	977	xxxxx	1514	xxxx	xxxxx	xxxx	xxxx	xxxxx
Shrd ConDel:	xxxxx	xxxx	xxxxx	xxxxx	5.1	xxxxx	2.4	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	B	*	A	*	*	*	*	*
ApproachDel:	xxxxxx			5.1			0.6			0.0		
ApproachLOS:	*			B			A			A		

Peak Hour Delay Signal Warrant Report

****

Intersection #30 New Driveway

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Lanes:	0 0 0 0 0			0 0 1! 0 0			0 1 0 0 0			0 0 0 1 0		
Adj Vol.:	0	0	0	262	0	41	7	18	0	0	9	104
ApproachDel:	xxxxxx			5.1			0.6			0.0		

Approach[southbound][lanes=1][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=0.4]
FAIL - Vehicle-hours less than 4 for one lane approach.
Signal Warrant Rule #2: [approach volume=303]
SUCCEED - Approach volume greater than or equal to 100 for one lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=440]
FAIL - Total volume less than 650 for intersection
with less than four approaches.

SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Peak Hour Volume Signal Warrant Report [Urban]

Intersection #30 New Driveway

Future Volume Alternative: Peak Hour Warrant NOT Met

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Lanes:	0 0 0 0 0			0 0 1! 0 0			0 1 0 0 0			0 0 0 1 0		
Adj Vol.:	0	0	0	262	0	41	7	18	0	0	9	104

Major Street Volume: 138
Minor Approach Volume: 303
Minor Approach Volume Threshold: 748

SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.

Appendix D
Signal Warrants

Santa Clara Valley Medical Center Expansion

TRAFFIC SIGNAL WARRANTS WORKSHEET

Analyst: SJ date: 10/1/20

Major Street: Ginger Lane — Critical Approach Speed* (mph): 25

Minor Street: Middle Drive — Critical Approach Speed* (mph): 25

**Posted Speed.*

Critical speed of major street traffic > 50 mph (64 km/h)…… ☐ or ☐ **Rural (R)**

In built up area of isolated community of < 10,000 population…… ☑ **Urban (U)**

AM PEAK PERIOD

Warrant 3 - Peak Hour

PART A

(All parts 1, 2, and 3 below must be satisfied)

AM PEAK PERIOD

	Existing	Background	Background + Proj					
Minor Street Approach Direction w/ Highest Delay	NB	WB	WB					
Highest Minor Street Average Delay (sec/veh)	8.6	9.8	10.1					
Corresponding Minor Street Approach Volume (veh/hr)	218	260	158					
Minor Street Total Delay (veh-hrs)	0.5	0.7	0.4					
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds 4 vehicle-hours for a 1-lane approach and 5 vehicle-hours for a 2-lane approach; AND	No	No	No					
2. The volume on the same minor street approach equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes; AND	Yes	Yes	Yes					
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with 4 or more approaches or 650 vph for intersections with 3 approaches.	No	No	No					
Signal Warranted based on Part A?	**No**	**No**	**No**					

PART B

AM PEAK PERIOD

		Approach Lanes: One	Approach Lanes: 2 or More	Existing	Background	Background + Proj	0:00	0:00	0:00		
Major Street - Both Approaches	Ginger Lane		X	218	285	443	0				
Minor Street - Highest Approach	Middle Drive	X		260	260	158	0				
Signal Warranted based on Part B?				**NO**	**NO**	**NO**	**0**				

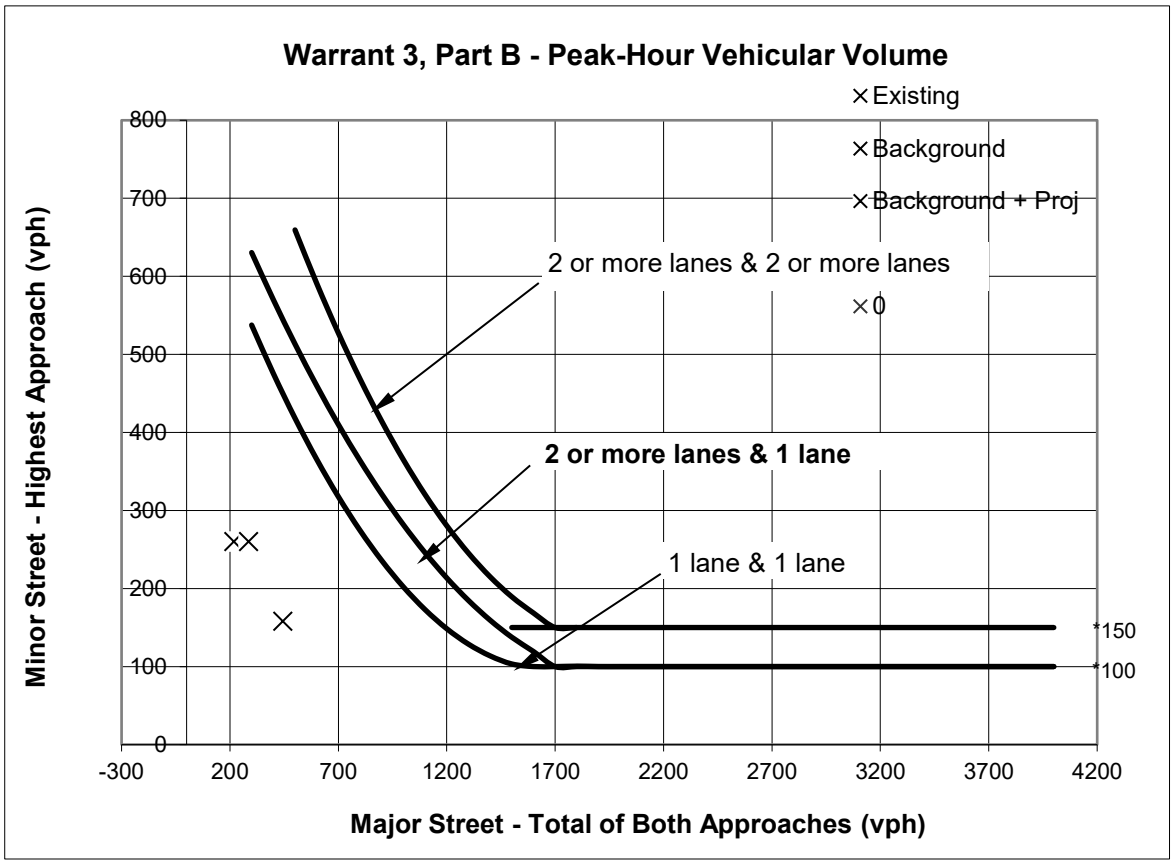
The Warrant is satisfied if the plotted point for vehicles per hour on the major street (both approaches) and the corresponding per hour higher vehicle volume minor street approach (one direction only) for one hour (any four consecutive 15-minute periods) fall above the applicable curves in California MUTCD Figure 4C-3 or 4C-4.

Source: California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California).

Notes:

Santa Clara Valley Medical Center Expansion

Ginger Lane & Middle Drive **AM PEAK PERIOD**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)* .

* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Warrant 3, Part B - Peak-Hour Vehicular Volume

		Approach Lanes		AM PEAK PERIOD					
		One	2 or More	Existing	Background	Background + Proj			
Major Street - Both Approaches	Ginger Lane		X	218	285	443			
Minor Street - Highest Approach	Middle Drive	X		260	260	158			
Signal Warranted Based on Part B - Peak-Hour Volumes?				**NO**	**NO**	**NO**			

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

Santa Clara Valley Medical Center Expansion

TRAFFIC SIGNAL WARRANTS WORKSHEET

Analyst: Hexagor date: 10/1/20

Major Street: Ginger Lane — Critical Approach Speed* (mph) 25

Minor Street: Middle Drive — Critical Approach Speed* (mph) 25

**Posted Speed.*

Critical speed of major street traffic > 50 mph (64 km/h)…… ☐ or In built up area of isolated community of < 10,000 population…… ☐ **Rural (R)**

☑ **Urban (U)**

PM Peak-Hour Scenario Volumes

Warrant 3 - Peak Hour

PART A

(All parts 1, 2, and 3 below must be satisfied)

PM Peak-Hour Scenario Volumes

	Existing	Background	Background + Proj	0:00	0:00	0:00		
Minor Street Approach Direction w/ Highest Delay	NB	WB	WB					
Highest Minor Street Average Delay (sec/veh)	7.4	8.9	9.1					
Corresponding Minor Street Approach Volume (veh/hr)	62	229	119					
Minor Street Total Delay (veh-hrs)	0.1	0.6	0.3					
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds 4 vehicle-hours for a 1-lane approach and 5 vehicle-hours for a 2-lane approach; AND	No	No	No					
2. The volume on the same minor street approach equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes; AND	No	Yes	Yes					
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with 4 or more approaches or 650 vph for intersections with 3 approaches.	No	No	No					
Signal Warranted based on Part A?	**No**	**No**	**No**					

PART B

PM Peak-Hour Scenario Volumes

		Approach Lanes: One	Approach Lanes: 2 or More	Existing	Background	Background + Proj	0:00	0:00	0:00		
Major Street - Both Approaches	Ginger Lane		X	62	144	343	0				
Minor Street - Highest Approach	Middle Drive	X		229	229	119	0				
Signal Warranted based on Part B?				**No**	**No**	**No**	**0**				

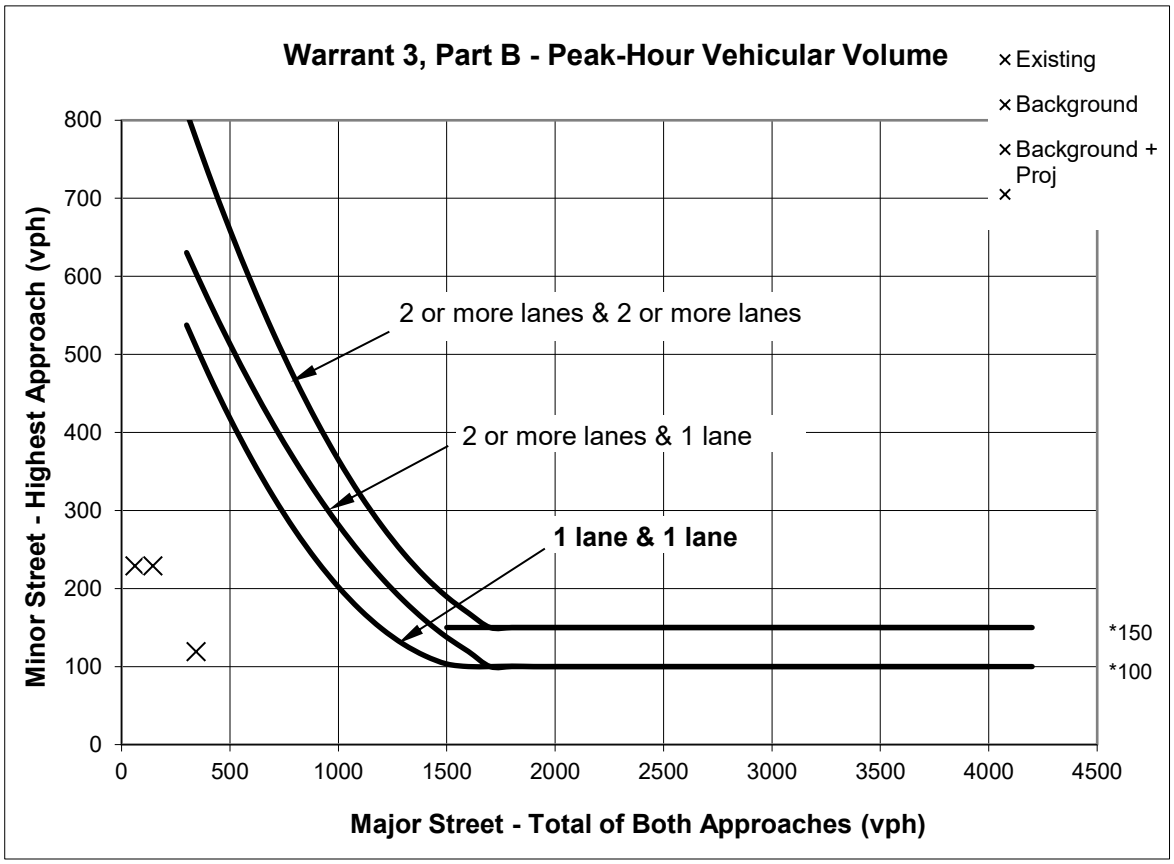
The Warrant is satisfied if the plotted point for vehicles per hour on the major street (both approaches) and the corresponding per hour higher vehicle volume minor street approach (one direction only) for one hour (any four consecutive 15-minute periods) fall above the applicable curves in California MUTCD Figure 4C-3 or 4C-4.

Source: California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)

Notes:

Santa Clara Valley Medical Center Expansion

Ginger Lane & Middle Drive — **PM Peak-Hour Scenario Volumes**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)* .

* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Warrant 3, Part B - Peak-Hour Vehicular Volume

		Approach Lanes		PM Peak-Hour Scenario Volumes					
		One	2 or More	Existing	Background	Background + Proj			
Major Street - Both Approaches	Ginger Lane		X	62	144	343			
Minor Street - Highest Approach	Middle Drive	X		229	229	119			
Signal Warranted Based on Part B - Peak-Hour Volumes?				**No**	**No**	**No**			

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

Santa Clara Valley Medical Center Expansion

TRAFFIC SIGNAL WARRANTS WORKSHEET

Analyst: SJ date: 10/1/20

Major Street: Ginger Lane — Critical Approach Speed* (mph) 25

Minor Street: Clove Drive — Critical Approach Speed* (mph) 25

**Posted Speed.*

Critical speed of major street traffic > 50 mph (64 km/h)…… ☐ or ☐ **Rural (R)**

In built up area of isolated community of < 10,000 population…… ☑ **Urban (U)**

AM PEAK PERIOD

Warrant 3 - Peak Hour

PART A

(All parts 1, 2, and 3 below must be satisfied)

AM PEAK PERIOD

	Existing	Background	Background + Proj					
Minor Street Approach Direction w/ Highest Delay	EB	SB	EB					
Highest Minor Street Average Delay (sec/veh)	7.8	7.9	11.5					
Corresponding Minor Street Approach Volume (veh/hr)	110	23	320					
Minor Street Total Delay (veh-hrs)	0.2	0.1	1.0					
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds 4 vehicle-hours for a 1-lane approach and 5 vehicle-hours for a 2-lane approach; AND	No	No	No					
2. The volume on the same minor street approach equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes; AND	Yes	No	Yes					
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with 4 or more approaches or 650 vph for intersections with 3 approaches.	No	No	Yes					
Signal Warranted based on Part A?	**No**	**No**	**No**					

Number of approaches 4

PART B

AM PEAK PERIOD

		Approach Lanes: One	Approach Lanes: 2 or More	Existing	Background	Background + Proj					
Major Street - Both Approaches	Ginger Lane		X	0	67	272					
Minor Street - Highest Approach	Clove Drive	X		207	207	320					
Signal Warranted based on Part B?				**NO**	**NO**	**NO**					

The Warrant is satisfied if the plotted point for vehicles per hour on the major street (both approaches) and the corresponding per hour higher vehicle volume minor street approach (one direction only) for one hour (any four consecutive 15-minute periods) fall above the applicable curves in California MUTCD Figure 4C-3 or 4C-4.

Source: California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California).

Notes:

No SB RT No NB RT Adjustments Made to:

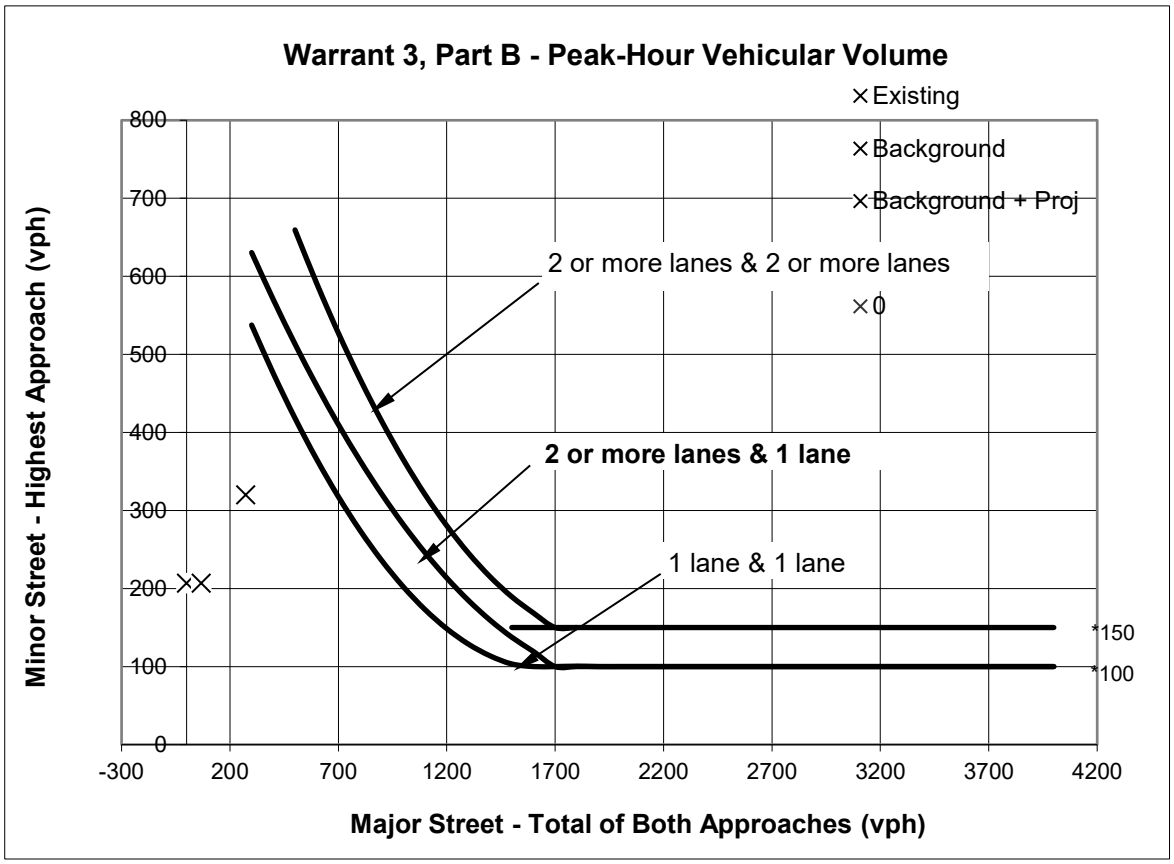
No WB RT No EB RT

Right-turn reduction carried out based on cross street through volume and number of cross street through lanes using the methodology contained NCHRP Report 457. The following right-turn movements were adjusted:

Volume reduction applied to one or more right-turn movements due to high right-turn volume and potentail for some right-turn on red activity. Right-turn reduction carried out based on cross street through volume and number of cross street through lanes using the methodology contained NCHRP Report 457. The following right-turn movements were adjusted:

Santa Clara Valley Medical Center Expansion

Ginger Lane & Clove Drive **AM PEAK PERIOD**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)* .

* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Warrant 3, Part B - Peak-Hour Vehicular Volume

		Approach Lanes		AM PEAK PERIOD					
		One	2 or More	Existing	Background	Background + Proj			
Major Street - Both Approaches	Ginger Lane		X	0	67	272			
Minor Street - Highest Approach	Clove Drive	X		207	207	320			
Signal Warranted Based on Part B - Peak-Hour Volumes?				**NO**	**NO**	**NO**			

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

Santa Clara Valley Medical Center Expansion

TRAFFIC SIGNAL WARRANTS WORKSHEET

Analyst: Hexagor date: 10/1/20

Major Street: Ginger Lane — Critical Approach Speed* (mph) 25

Minor Street: Clove Drive — Critical Approach Speed* (mph) 25

**Posted Speed.*

Critical speed of major street traffic > 50 mph (64 km/h)…… ☐ or ☐ **Rural (R)**

In built up area of isolated community of < 10,000 population…… ☑ **Urban (U)**

PM Peak-Hour Scenario Volumes

Warrant 3 - Peak Hour

PART A

(All parts 1, 2, and 3 below must be satisfied)

PM Peak-Hour Scenario Volumes

	Existing	Background	Background + Proj	0:00	0:00	0:00		
Minor Street Approach Direction w/ Highest Delay	EB	SB	EB					
Highest Minor Street Average Delay (sec/veh)	7.3	7.9	9.2					
Corresponding Minor Street Approach Volume (veh/hr)	53	61	256					
Minor Street Total Delay (veh-hrs)	0.1	0.1	0.7					
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds 4 vehicle-hours for a 1-lane approach and 5 vehicle-hours for a 2-lane approach; AND	No	No	No					
2. The volume on the same minor street approach equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes; AND	No	No	Yes					
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with 4 or more approaches or 650 vph for intersections with 3 approaches.	No	No	No					
Signal Warranted based on Part A?	**No**	**No**	**No**					

PART B

PM Peak-Hour Scenario Volumes

		Approach Lanes: One	Approach Lanes: 2 or More	Existing	Background	Background + Proj	0:00	0:00	0:00		
Major Street - Both Approaches	Ginger Lane		X	0	82	163	0				
Minor Street - Highest Approach	Clove Drive	X		74	74	256	0				
Signal Warranted based on Part B?				**No**	**No**	**No**	**0**				

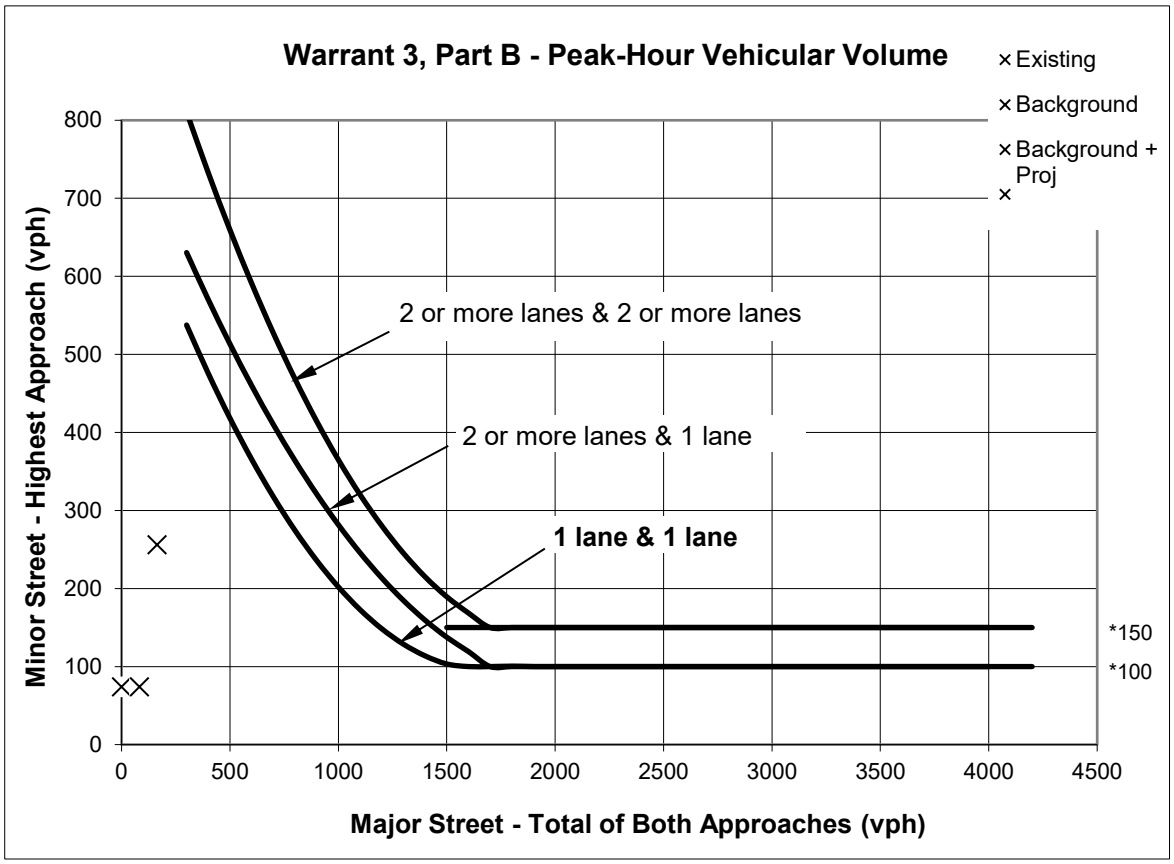
The Warrant is satisfied if the plotted point for vehicles per hour on the major street (both approaches) and the corresponding per hour higher vehicle volume minor street approach (one direction only) for one hour (any four consecutive 15-minute periods) fall above the applicable curves in California MUTCD Figure 4C-3 or 4C-4.

Source: California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)

Notes:

Santa Clara Valley Medical Center Expansion

Ginger Lane & Clove Drive — **PM Peak-Hour Scenario Volumes**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)* .

* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Warrant 3, Part B - Peak-Hour Vehicular Volume

		Approach Lanes		PM Peak-Hour Scenario Volumes					
		One	2 or More	Existing	Background	Background + Proj			
Major Street - Both Approaches	Ginger Lane		X	0	82	163			
Minor Street - Highest Approach	Clove Drive	X		74	74	256			
Signal Warranted Based on Part B - Peak-Hour Volumes?				**No**	**No**	**No**			

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

Appendix E
San Jose Approved Trips Inventory

AM PROJECT TRIPS

09/24/2020

Intersection of : Moorpark Av & Pfeffer Ln / Thornton Wy

Traffix Node Number : 3712

Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
NSJ LEGACY NORTH SAN JOSE	0	0	0	0	0	0	0	9	1	0	2	0
TOTAL:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**1**	**0**	**2**	**0**

	LEFT	THRU	RIGHT
NORTH	0	0	0
EAST	0	2	0
SOUTH	0	0	0
WEST	0	9	1

PM PROJECT TRIPS

09/24/2020

Intersection of : Moorpark Av & Pfeffer Ln / Thornton Wy

Traffix Node Number : 3712

Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
NSJ LEGACY NORTH SAN JOSE	0	0	0	0	0	0	0	5	0	0	11	0
TOTAL:	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**0**	**11**	**0**

	LEFT	THRU	RIGHT
NORTH	0	0	0
EAST	0	11	0
SOUTH	0	0	0
WEST	0	5	0

AM PROJECT TRIPS

09/24/2020

Intersection of : S Bascom Av & Moorpark Av

Traffix Node Number : 5012

Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
NSJ LEGACY NORTH SAN JOSE	5	19	4	1	4	4	1	6	1	0	0	0
PDC14-040 (3-01388) LEGACY 863-917 WINCHESTER BLVD WINCHESTER RESERVE	0	0	0	0	0	11	7	39	0	0	0	0
TOTAL:	**5**	**19**	**4**	**1**	**4**	**15**	**8**	**45**	**1**	**0**	**0**	**0**

	LEFT	THRU	RIGHT
NORTH	1	4	15
EAST	0	0	0
SOUTH	5	19	4
WEST	8	45	1

PM PROJECT TRIPS

09/24/2020

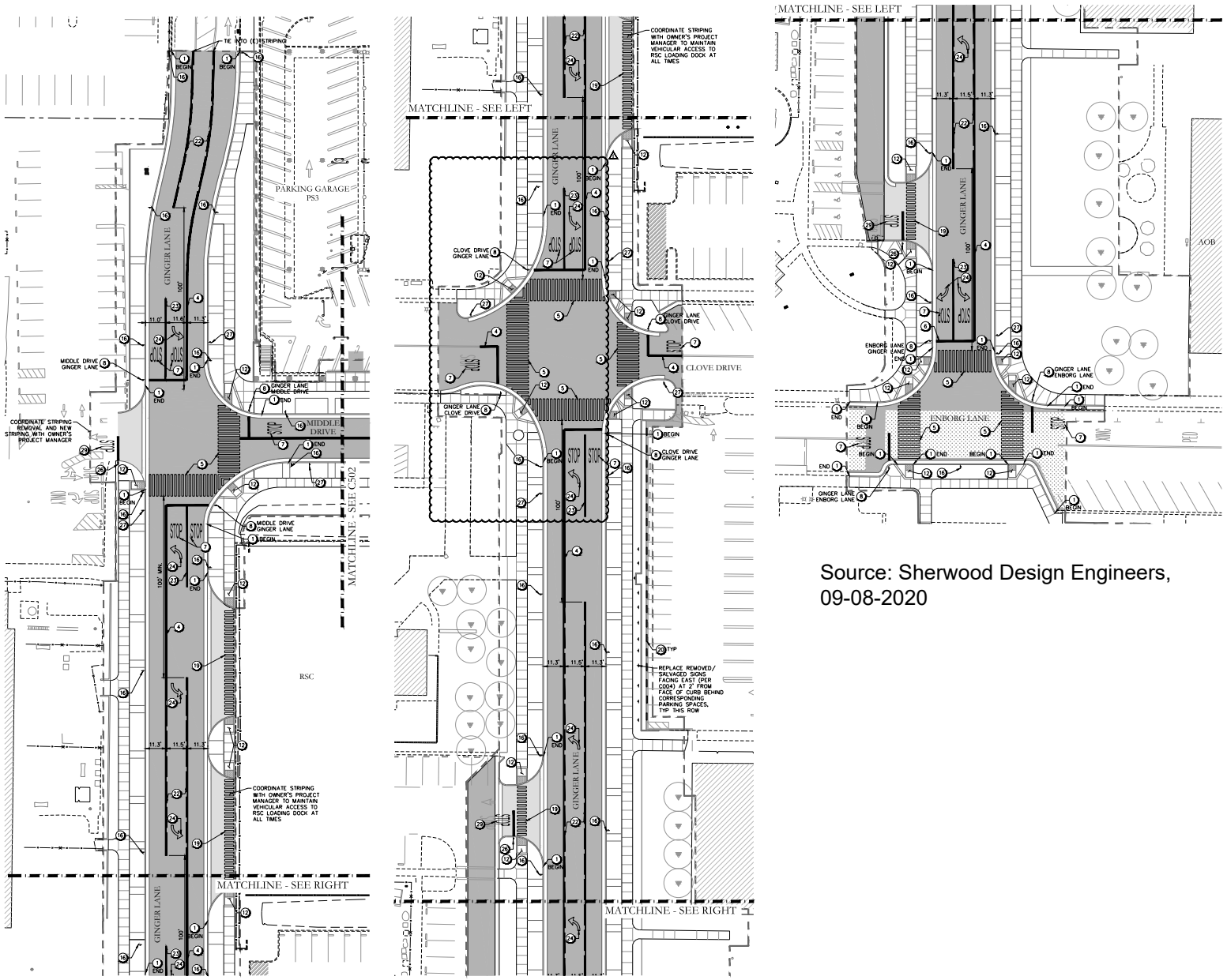
Intersection of : S Bascom Av & Moorpark Av

Traffix Node Number : 5012

Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
NSJ LEGACY NORTH SAN JOSE	2	6	3	5	19	4	0	5	1	0	0	0
PDC14-040 (3-01388) LEGACY 863-917 WINCHESTER BLVD WINCHESTER RESERVE	1	0	0	0	0	50	4	21	1	0	0	0
TOTAL:	**3**	**6**	**3**	**5**	**19**	**54**	**4**	**26**	**2**	**0**	**0**	**0**

	LEFT	THRU	RIGHT
NORTH	5	19	54
EAST	0	0	0
SOUTH	3	6	3
WEST	4	26	2

Appendix F
West Campus Landscape Project



Source: Sherwood Design Engineers, 09-08-2020

Figure F-1
West Campus Landscape Project