

**City of Manteca
The Crossings Manteca Project
Minor Use Permit (UPN-21-65)
Site Plan/Design Review (SPC-21-64)
Tentative Parcel Map
Commercial Planned Development (PCD 22-019)
Rezone (REZ 22-021)
Site Plan/Design Review (SPC 22-002)
Environmental Document (EIR 22-020)
Draft Initial Study and Mitigated Negative Declaration**

Prepared for
City of Manteca
City of Manteca Development Services Department
1215 W. Center St. Suite 201
Manteca, CA 95337



June 2022

Prepared by
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Kimley»»Horn

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1.0 INTRODUCTION & PURPOSE

1.1 Purpose and Scope of the Initial Study

This Initial Study/Mitigated Negative Declaration (IS/MND) has been prepared in accordance with the California Environmental Quality Act (CEQA) (California Public Resources Code [PRC] Section 21000 et seq.) and its Guidelines (California Code of Regulations [CCR], Title 14, Section 15000 et seq.), to evaluate the potential environmental effects associated with the construction and operation of the Crossings Project. Pursuant to Section 15367 of the State CEQA Guidelines, the City of Manteca (City) is the lead agency for the Project. The lead agency is the public agency that has the principal responsibility for carrying out or approving a project.

As set forth in the State CEQA Guidelines Section 15070, an IS/MND can be prepared when the Initial Study has identified potentially significant environmental impacts, but revisions have been made to a project, prior to public review of the Initial Study, that would avoid or mitigate the impacts to a level considered less than significant; and there is no substantial evidence in light of the whole record before the public agency that the project, as revised, may have a significant effect on the environment.

1.2 Summary of Findings

Section 3.0 of this document contains the Environmental Checklist that was prepared for the proposed Project pursuant to CEQA requirements. The Environmental Checklist indicates whether the proposed Project would result in significant impacts with the implementation of mitigation measures, as identified throughout this document.

MITIGATION MEASURES

State CEQA Guidelines Section 15041, *Authority to Mitigate*, gives the lead agency for a project the authority to require feasible changes in any or all activities involved in the project in order to substantially lessen or avoid significant effects on the environment, consistent with applicable constitutional requirements such as the “nexus” and “rough proportionality” standards. CEQA Guidelines Section 15364 defines “feasible” as capable of being accomplished in a successful manner within a reasonable period of time, considering economic, environmental, legal, social, and technological factors. Mitigation measures will be adopted to reduce the environmental impacts to less than significant levels and must be consistent with all applicable constitutional requirements, including the following:

- There must be an essential nexus (i.e., connections) between the mitigation measure and legitimate governmental interest.
- The mitigation measure be “roughly proportional” to the impacts of the project.

Several forms of mitigation under CEQA Section 15370 are summarized as follow:

- Avoiding the **impact** by not taking a certain action(s);
- **Minimizing** impacts by limiting the degree or magnitude of the action and its implementation;

- **Rectifying** the impact by repairing, rehabilitating, or restoring the impact environment;
- **Reducing** or eliminating the impact over time by preservation and maintenance operations during the life of the action; and
- **Compensating** for the impact by replacing or providing substitute resources or environment.

Avoiding impacts is the preferred form of mitigation, followed by minimizing or rectifying the impact to less than significant levels. Compensating for impacts would be pursued if no other form of mitigation is feasible.

ENVIRONMENTAL RESOURCE TOPICS

This IS/MND evaluates the proposed Project's impacts on the following resource topic:

- | | |
|---------------------------------------|---------------------------------|
| ▪ Aesthetics | ▪ Hydrology and Water Quality |
| ▪ Agricultural and Forestry Resources | ▪ Land Use and Planning |
| ▪ Air Quality | ▪ Mineral Resources |
| ▪ Biological Resources | ▪ Noise |
| ▪ Cultural Resources | ▪ Population and Housing |
| ▪ Energy | ▪ Public Services |
| ▪ Geology and Soils | ▪ Transportation |
| ▪ Greenhouse Gas Emissions | ▪ Utilities and Service Systems |
| ▪ Hazard and Hazardous Materials | ▪ Wildfire |

1.3 Initial Study Public Review Process

The Initial Study and a Notice of Intent (NOI) to adopt this MND will be distributed to responsible and trustee agencies, other affected agencies, and other parties for a 30-day public review period.

Written comments regarding this MND should be addressed to:

Lea Simvoulakis
 City of Manteca Development Services Department
 1215 W. Center St. Suite 201
 Manteca, CA 95337
lsimvoulakis@ci.manteca.ca.us

1.4 Report Organization

This document has been organized into the following sections:

Section 1.0 – Introduction. This section provides an introduction and overview describing the conclusions of the Initial Study.

Section 2.0 – Project Description. This section identifies key project characteristics and includes a list of anticipated discretionary actions.

Section 3.0 – Initial Study Checklist. The Environmental Checklist Form provides an overview of the potential impacts that may or may not result from project implementation.

Section 4.0 – Environmental Factors Potentially Affected. This section identifies the environmental factors that could be potentially affected by the proposed project.

Section 5.0 – Environmental Evaluation. This section contains an analysis of environmental impacts identified in the environmental checklist.

Section 6.0 – References. The section identifies resources used to prepare the Initial Study.

2.0 DESCRIPTION OF PROPOSED PROJECT

2.1 Project Location

The project is located in in the City of Manteca within San Joaquin County, California. The project site is located in the southwest corner of the City of Manteca's boundaries. The center of town is located approximately 2.5 miles to the northeast. The site is directly south of the State Route (SR) 120 eastbound off ramp at Airport Way (Exit 3). The project is comprised of two Assessor's Parcel Numbers (APNs), 241-320-58, in the top west corner, and 241-320-44. The project site has two street addresses: 2303 W Atherton Drive and 1527 S Airport Way. Please see **Figure 1, Regional Map** and **Figure 2, Vicinity Map**.

2.2 Environmental Setting

REGIONAL SETTING

The City of Manteca is located in central California, approximately 65 miles directly east of San Francisco and 12 miles south of Stockton. Manteca is located within an area of California called the Central Valley. This area is an elongated valley occupying the central region of California, running on average 50 miles wide and 400 miles from north to south (USGS, 2021). The project site falls within an area of the Central Valley called the San Joaquin Basin. The San Joaquin River flows through the basin with outlets to the San Francisco Bay and Pacific Ocean. The City of Manteca is located at the top northwest boundary of the basin. The project site is shown on the U.S. Geological Survey's Lathrop, California, 7.5-minute quadrangle map (See **Figure 3, U.S. Topographic Map**).

LOCAL SETTING

The area to the northeast of the project site, toward the center of town, is predominantly developed, including residential, commercial, and industrial uses. To the South and West of the site is agriculture and low density residential, designated LDR in the General Plan. Directly southwest of the project site is W Atherton Drive and opposite that is a single-family residential community designated LDR. South of APN 241-320-44 is a previously disturbed undeveloped site, designated general commercial (GC) in the General Plan. Immediately west is another previously disturbed undeveloped lot designated GC. Directly north of the site is the off ramp for SR 120. Directly east of the site is Airport Way and on the opposite side of the road is a previously disturbed undeveloped lot, similar shape to the project site, that is also GC (City of Manteca, 2021).

The project site is currently previously disturbed undeveloped land, with minimal brush scrub vegetation. The top west section of 2303 W Atherton Dr or APN 241-320-58 is also previously disturbed undeveloped land, however, a portion of the APN is developed and currently under commercial use as Sterling Home Showcase. There is hardscape and landscaping, including trees, within this portion of the site and approximately 11 buildings.

The proposed project area has existing utility stubs provided on site, street lighting along Atherton Drive and Airport way, and existing curbs, gutters, and sidewalks along the frontage of the parcel. This covers a majority of the east project site border and wraps around the southern border stopping at the end of the developed section of 2303 W Atherton Dr.

The project site itself is designated GC in the General Plan and zoned CG (General Commercial Zoning District) in the Municipal Code (City of Manteca, 2011). The Municipal Code describes this area as:

“... wholesale, warehousing, and heavy commercial uses, highway-oriented commercial retail, public and quasi-public uses, and similar and compatible uses. The designation is also intended to accommodate visitor lodging, commercial recreation and public gathering facilities, such as amphitheatres, or public gardens. It also allows most neighborhood and mixed commercial uses.”

The proposed development on the site would require project specific use permits depending on the commercial use. The proposed Maverik Gas Station in the southeast corner of the site is permitted upon issuance of a Minor Use Permit and Site Plan Review within the General Commercial Zoning District.

2.3 Proposed Project

The proposed project, called The Crossings, proposes a 17.6 acre mixed commercial use development, including 11 buildings, parking, and pocket park located at 2303 W Atherton Drive and 1527 S Airport Way. The proposed development can be defined by four major components: The Hotel, Anchor Tennant Building 1, Commercial Shops A-H, and the Maverik Gas Station. Please see **Figure 4: Site Plan**.

1. The Hotel site is approximately 2.41 acres with 117 hotel rooms and 121 parking stalls.
2. Major Tennant Building 1 is approximately 55,000 square feet with 220 parking stalls,
3. Commercial Shops A-H total approximately 42,700 square feet with 291 parking stalls, and
4. Maverik Gas Station is approximately 6,140 square feet with 38 parking stalls.

The Crossings has a total of 7 access points, 2 of which are associated solely with the Hotel. The main entrance into the Crossing Project site is located off of W Atherton Drive and across from Langum Way. There is a proposed signalized intersection at this location as well. There are 2 access points north of the proposed signalized intersection that would lead to the proposed Major Building 1. One leading around the back of the building and one to the west end of the central parking lot. East the of the signalized intersection entrance, there is an access point that leads directly to the gas station. Additionally, there is one final right-in right-out access point off of Airport Way, on the east boundary of the project site. This leads to Commercial Shops to the north and the gas station to the south.

Within The Crossings project site the hotel is connected to the commercial parking lot through a drive aisle north of the hotel. Within the project site, Shops A, B, D, E, F, G, and the Gas Station all have roads wrapping around the building with parking off the building front. The project site also contains a picnic area/pocket park located between buildings F and G, along the northern boundary. Landscaping throughout The Crossings would remain consistent to give an overall cohesive look and would conform to the City's landscape requirements. There are no required land use changes, as the proposed mixed-use development is consistent with the existing land use designations. There is one existing 2,200 square foot office building located in the northwest corner of the site that would require demolition. Grading over the entire site would consist of 32,700 cubic yards of balanced cut and fill and occur over a 7-day period. The proposed development would tie into existing water, stormwater, sewer, gas, electrical, and telecommunications utilities located within Atherton drive.

PROJECT COMPONENTS:***Hotel:***

The hotel is located in the top west corner of the project site on approximately 2.41 acres. It contains a 4-story building containing 117 hotel rooms, 121 parking stalls including handicap accessible stalls, a pool, and an outdoor patio. To enter and exit the hotel there are two access points off of Atherton Dr, one on either end of the building that circle around the hotel. Additionally, the drive aisle north of the hotel connects to the commercial uses on the Crossings Project site. The driveway wrapping around the pool and building is lined with parking stalls. Landscaping around the site includes condensed trees on the southeast end which creates a boundary between the rest of The Crossings project site.

Major Building 1:

Major Building 1 is a potential grocery store with an approximately 55,000 square foot building and a parking lot. The building and parking lot would be located in the northwest/center section of The Crossings project site. To access the major centralized building there would be three primary access points. The one located furthest west would wrap around the back of the building. The other two would be located on both ends of the associated parking lot. The major building would also have two delivery truck loading and unloading stations along the back of the building which faces northwest. The front of the building would face southeast with the associated parking lot beyond it including 220 parking stalls with handicap accessible and Electric Vehicle (EV) charging stalls.

Commercial Shops (A-H):

The proposed commercial retail (Shops A-H) throughout The Crossings project site would be primarily focused in the center and northeast corner. There are eight proposed buildings, with a total of 42,700 square feet and 291 parking stalls. These commercial retail uses potentially include, retail shops, a vehicle service station, restaurants (sit down and quick service restaurants), etc. Shops A-H are located along the boundaries of the site. Shops J (10,900 square feet) and A (6,400 square feet) are located on the south boundary of the site and face out toward the central parking lot. Shop B is located along the west boundary of the project site to the east of the proposed signalized intersection. Building B (2,000 square feet) may be a vehicle service station, and therefore has a drive through configuration with parking along the east side of the building. Shops (C, D, E, and F) are all located in the northeast corner of The Crossings site with approximately 106 parking stalls located in the center including handicap accessible and EV charging stalls. Shop C would be 4,000 square feet with sidewalks connecting it to shops D and E and the Gas Station. Building D (5,000 square feet) and E (950 square feet), located further northeast, along the project site boundary, face west and have two proposed drive through lanes wrapping around the buildings starting on the south end of Shop D. Shop F is approximately 3,000 square feet and located along the north project boundary. Shop F also proposes a wrap-around driveway and would face south. Shop G, approximately 5,000 square feet, would be located further west along the northern project boundary. It also would have a road wrapping around the back of the building. Located between Shop F and G on the northern project boundary would be a picnic/pocket park area of approximately 6,500 square feet.

Gas Station:

The Maverik Gas Station is located in the southeast corner of the project site. The proposed convenience store building is approximately 6,140 square feet, has 1 entrance on the west side of the building, 2 entrances on the south, and 2 entrances on the east side. The convenience store would provide fueling, packaged beer and wine sales, as well as fresh food items, and restroom facilities which would be open to the public. The convenience store would operate 24 hours a day, 7 days a week. The gas station would include 7 fuel dispensers (14 fueling positions) with a canopy on the east side of the building and 4 commercial fuel dispensers (8 fueling positions) with a canopy on the west of the building. The gas station would sell both diesel and gasoline fuel. The gas station also includes a self-service air tire pump, RV dumping, a bike rack, and outdoor picnic tables. The gas station would receive approximately 1 fuel delivery per day and 2 deliveries for the convenience store. See **Figure 5, Maverik Gas Station Site Plan.**

Store Exterior

The building elevations, building materials and floor plan depict the architectural style and themes of the Maverik brand. The exterior of the building would consist of metal roof elements, fiber cement, cultured stone, glass storefront, steel truss beams, etc. HVAC equipment would be situated on the store roof and screened from view by a parapet wall and is consistent with code requirements for screening roof mounted mechanical equipment and blending in with the surrounding community. The fuel canopy includes the same architectural elements and materials, so the design is consistent throughout the Maverik Gas Station.

Traffic access and Parking

There are 38 parking stalls associated with the gas station. There are 19 stalls on the east side of the building, including, 2 handicap stalls, one van accessible. Seven stalls would be pre-wired for EV parking, with one van accessible.

The Crossings project proposes pavement in a U shape surrounding the building. To access the refueling stations and convenience store, there is a right-in right-out access point to the northeast of the building (also leading to the northeast corner of the site) off of Airport Way. Another entrance to the gas station would be from W Atherton Drive, on the south boundary of the project site. Other entrances to the gas station would be from the northwest within The Crossings site.

Fuel

There are a proposed three underground fuel tanks located directly west of the building that would supply the site. The gas station would have an annual throughput of 2,862,000 gallons of unleaded fuel and 2,438,000 gallons of diesel fuel on an annual basis.

Stormwater

The Maverik site includes 2 bioretention basins, one in the southeast corner approximately 1,240 square feet and 1.5 feet deep, and the other on the southwest side approximately 2,150 square feet and 1.6 ft deep. Stormwater at the site would be collected and run through a catch basin with an oil & gas separator, to a bioretention basin, and then to a proposed 18-inch storm drain that would connect to an existing stormwater drain in W. Atherton Drive.

Utilities

The Crossings site would tie into existing water, stormwater, sewer, gas, electrical, and telecommunications utilities located within Atherton drive. Stormwater from the site would connect to an existing 18-inch stormwater drain in W. Atherton Drive. The project also proposes tying a 6-inch sewer line into an existing 8-inch lateral sewer line, at a proposed manhole on the southern border of the project site off of W. Atherton Drive.

OFFSITE IMPROVEMENTS

Offsite improvements include the construction of two traffic signals and street median improvements at the intersections adjacent to the project site. The first traffic signal would be installed at the intersection of W. Atherton Drive and Langum Way. This traffic signal would control traffic coming in and out of the main driveway of the retail center. Street median improvements on W. Atherton Way include both raised and painted medians to guide traffic into appropriate turns lanes at the driveways and traffic signal. The improvements would occur along the project frontage of W. Atherton Drive.

A second traffic signal is proposed at the intersection of W. Atherton Drive and Airport Way. This signal would control the movements of cars at this existing four-way intersection that is currently controlled with stop signs. Both raised and painted medians are proposed within Airport Way to guide traffic coming southbound into the intersection and into the right-in and right-out project driveway on Airport Drive. The improvements would occur along the project frontage of Airport Drive.

All of the offsite improvements would occur within the existing roadway or existing Right-of-Way. No additional Right-of-Way is required for the offsite improvements.



SOURCE: ESRI, 2021

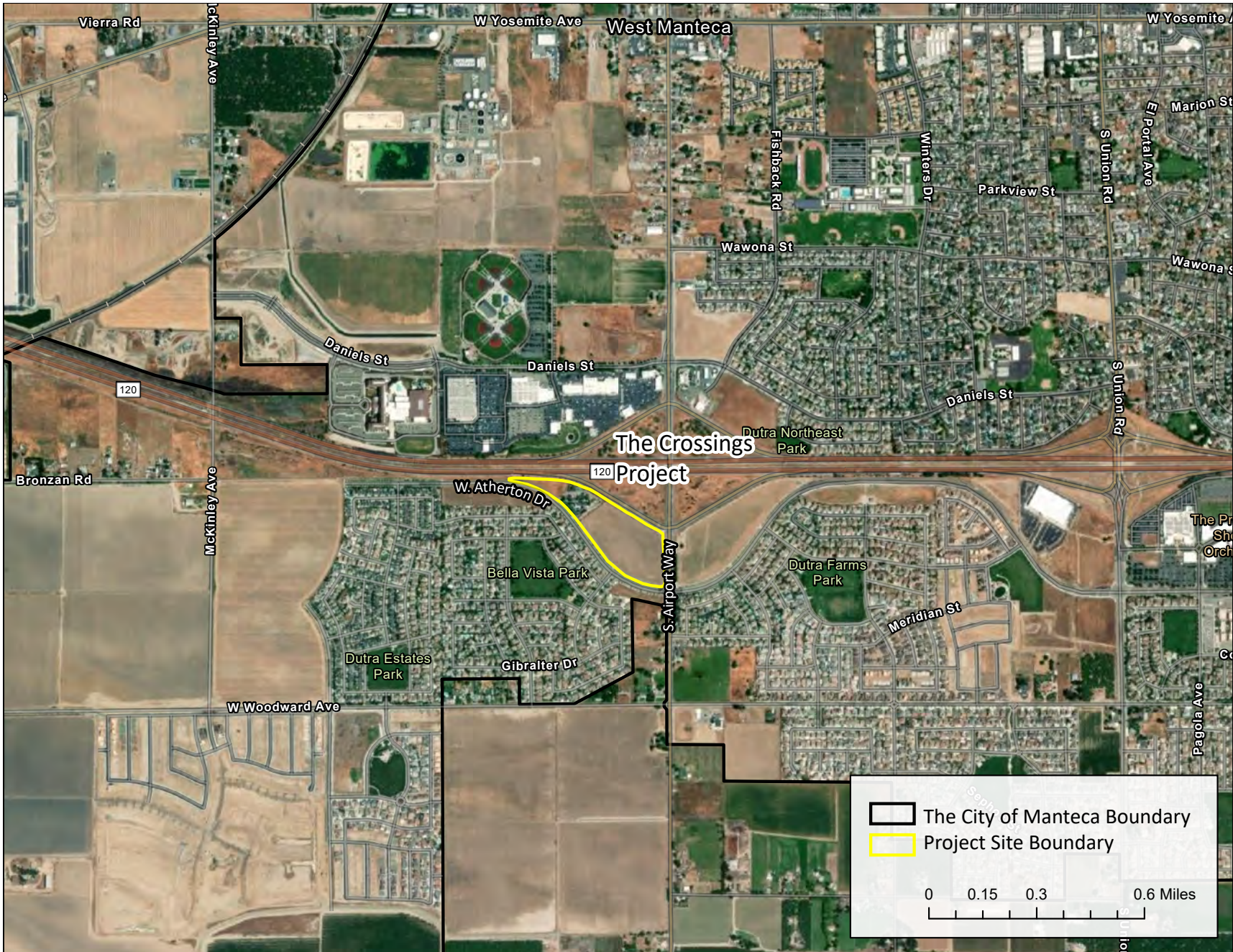
Figure 1 Regional Map

The Crossings
Initial Study/Mitigated Negative Declaration



Not to scale

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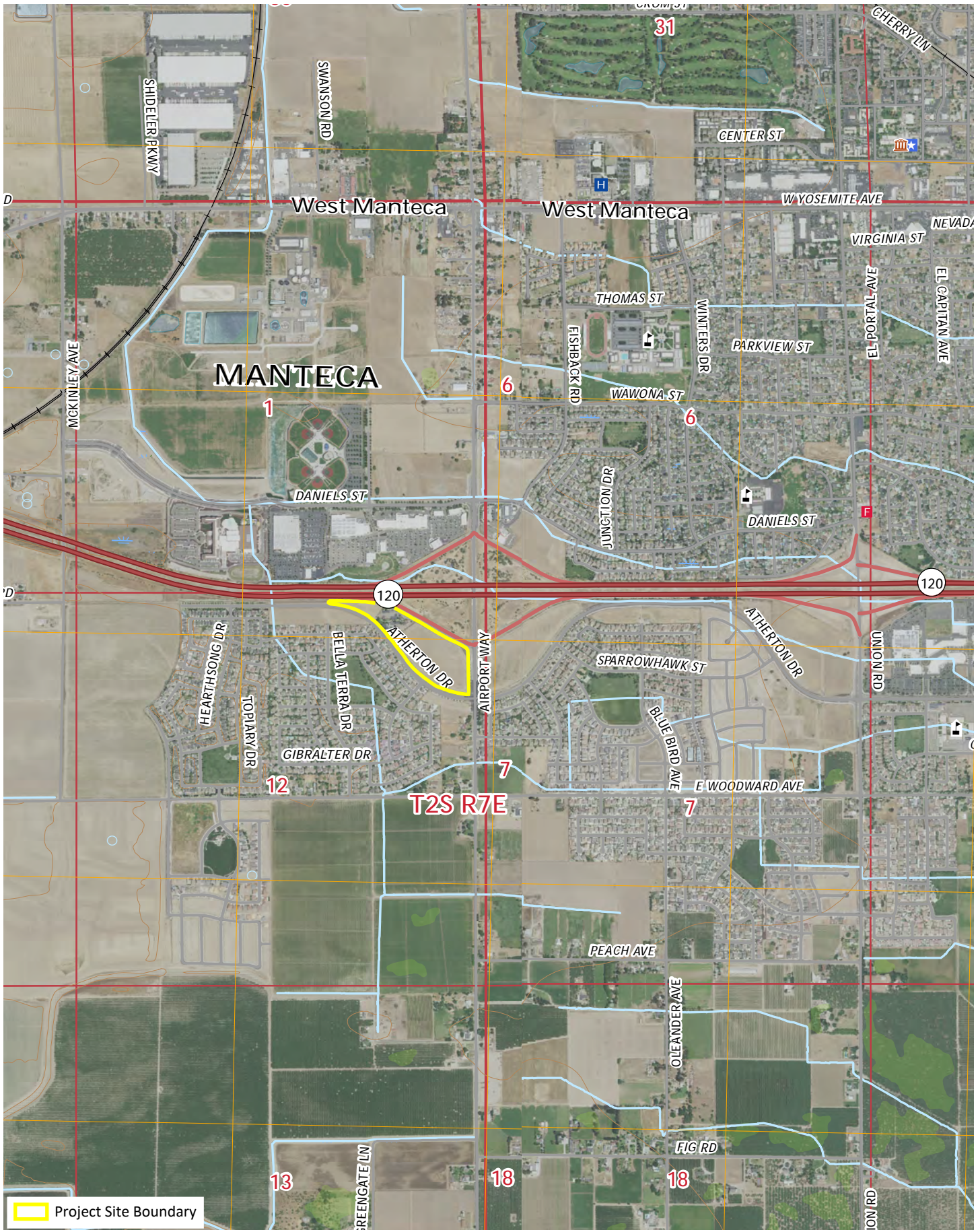


SOURCE: ESRI, 2021

Figure 2 Local Vicinity Map
 The Crossings
 Initial Study/Mitigated Negative Declaration



Not to scale



SOURCE: USGS and USDOI, 7.5-Minute Series Lathrop and Manteca Quadrangle, 2021

Figure 3 USGS Topographic Map

The Crossings
Initial Study/Mitigated Negative Declaration



Not to scale

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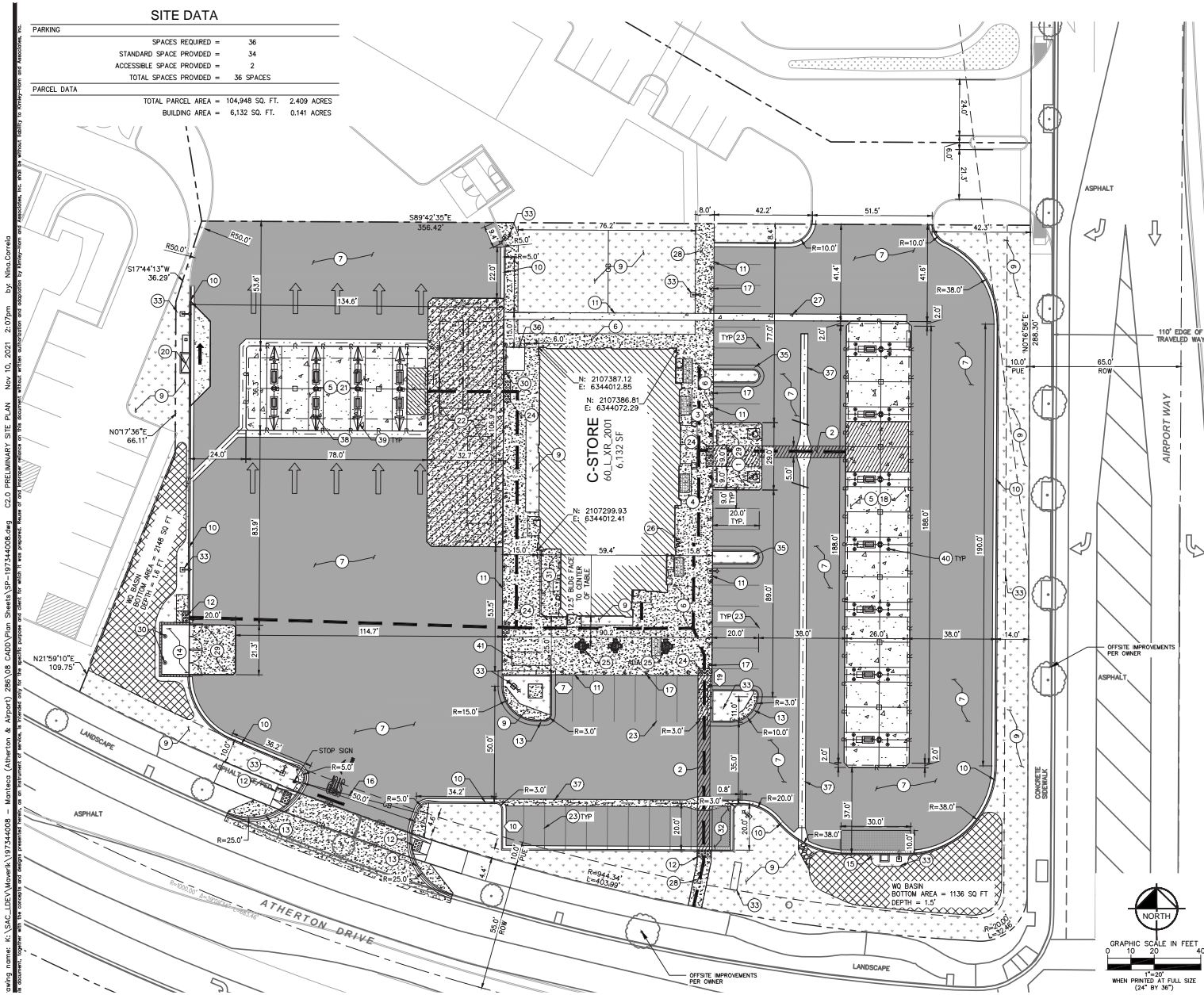
SOURCE: Reynolds and Brown, 2022

Figure 4 Site Plan

The Crossings
Initial Study/Mitigated Negative Declaration



Not to scale



SOURCE: Kimley-Horn, 2021

Figure 5 Maverik Gas Station Site Plan
 The Crossings
 Initial Study/Mitigated Negative Declaration



Not to scale

Kimley >>> Horn



Source: Nearmap, 2022

Figure 6: Noise Measurement Locations

The Crossing
Initial Study/Mitigated Negative Declaration



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3.0 INITIAL STUDY CHECKLIST

NOTE: The following is a sample form that may be tailored to satisfy individual agencies' needs and project circumstances. It may be used to meet the requirements for an initial study when the criteria set forth in CEQA Guidelines have been met. Substantial evidence of potential impacts that are not listed on this form must also be considered. The sample questions in this form are intended to encourage thoughtful assessment of impacts, and do not necessarily represent thresholds of significance.

1. Project title:

The Crossings Manteca Project

2. Lead agency name and address:

The City of Manteca
Development Services Department
1215 W. Center St., Suite 201
Manteca, California 95337

3. Contact person and phone number:

Scott Speer, (209) 456.8565
sspeer@ci.manteca.ca.us

4. Project location:

2303 W Atherton Dr and 1527 S Airport Way
Manteca, California 95337

5. Project sponsor's name and address:

Maverik
Christie Hutchings, AICP
Sr. Planning Project Manager
1885 South State Street, Suite 800
Salt Lake City, Utah 84111

6. General plan designation:

General Commercial (GC)

7. Zoning:

General Commercial Zoning District (CG)

8. Description of project: (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)

The Crossings project proposes a 17.6 acre mixed commercial use development, including retail stores, grocery, a gas station, auto-related services, restaurants (sit down and QSR's), coffee, hotel, etc. The project is currently vacant land with existing utility stubs provided on site, street lighting exists along Atherton Drive and Airport way, and existing curb, gutter, sidewalk exist and appear to be of adequate width along the frontage of the parcel. Additional site improvements include, but are not limited to grading, landscaping, hardscape, and irrigation. For more details, please see the detailed project description in Section 2.3 above.

9. Surrounding land uses and setting: Briefly describe the project's surroundings:

The projects surroundings are generally designated as low density residential (LDR) in the General Land Use Plan to the immediate south and east, with General Commercial (GC) located northeast and northwest of the project site. The project is located just north of the city limits with land previously disturbed for agriculture use, further south outside of the city.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)

City of Manteca

- Adoption of the Initial Study/Mitigated Negative Declaration
- Approval of Minor Use Permit, Site Plan/Design Review/Tentative Parcel Map
- Grading and Improvement Plans
- Building Permits

San Joaquin Council of Governments

- Approval of Incidental Take Mitigation Measures

San Joaquin Valley Air Pollution Control District

- Authority to Construct/Permit to Operate

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

The California Native American Heritage Commission was notified of the project on November 15th, 2021 and has received no response.

NOTE: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See Public Resources Code section 21080.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per Public Resources Code section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that Public Resources Code section 21082.3(c) contains provisions specific to confidentiality.

4.0 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact identified as "Less Than Significant With Mitigation Incorporated" as indicated by the checklist on the following pages.

- | | | |
|--|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Public Services |
| <input checked="" type="checkbox"/> Air Quality | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Agricultural and Forestry Resources | <input checked="" type="checkbox"/> Hydrology/Water Quality | <input checked="" type="checkbox"/> Transportation |
| <input checked="" type="checkbox"/> Biological Resources | <input type="checkbox"/> Land Use/Planning | <input checked="" type="checkbox"/> Tribal Cultural Resources |
| <input checked="" type="checkbox"/> Cultural Resources | <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Utilities/Service Systems |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Noise | <input type="checkbox"/> Wildfire |
| <input checked="" type="checkbox"/> Geology/Soils | <input type="checkbox"/> Population/Housing | <input type="checkbox"/> Mandatory Findings of Significance |

DETERMINATION:

On the basis of this initial evaluation (check one):

- 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 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 attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- 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.

CERTIFICATION:



Signature

6/28/22

Date

5.0 ENVIRONMENTAL ANALYSIS

5.1 AESTHETICS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
AESTHETICS. Except as provided in Public Resources Code Section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?			X	
b) Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?			X	
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?			X	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	

a) *Have a substantial adverse effect on a scenic vista?*

Less Than Significant Impact. Under CEQA, a scenic vista is defined as a viewpoint that provides expansive views of a highly valued landscape for the benefit of the public. A vista is a view from a particular location or combination of locations; a scenic vista combines an aesthetically pleasing aspect, often natural, to the vista. While a scenic vista may be formally designated, they are often informal public views. An adverse effect to a scenic vista may result from a degradation of an existing vista or the loss of access to an existing viewpoint.

As outlined in the FEIR General Plan, on clear days distant views of the Sierra Nevada Mountains to the east and The Coast Range from the west can be seen from the City of Manteca. Most days these views are obstructed due to weather conditions, and therefore the proposed project would only intermittently obstruct views on clear days. The Crossings project site is located in the southwest area within city boundaries. Locally, the Crossings project site is surrounded by agricultural fields to the south and the San Joaquin River to the west. The project would have a less than significant impact on views of the river, as the project lies on the same plane and is at a far enough distance where views would not be possible from the project site. The Crossings project

would fit in to the context of the existing development and not significantly alter the visual aesthetic of the surrounding area.

- b) *Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?*

Less than Significant Impact. The project site is located in a relatively flat area between SR 120, to the north, a residential neighborhood to the south, and a vacant previously disturbed lot to the east. This area does not contain any aesthetically significant trees, rock outcroppings, or historical buildings. Additionally, The Crossings project site is not located near a scenic highway, the site is located approximately 12.7 miles northeast from the nearest California Scenic Highway 580 (DOT, 2021) and therefore would cause a less than significant impact to scenic resources.

- 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?*

Less Than Significant Impact. The project site is located in an urbanized area, and the project does not conflict with the General Commercial zoning district it falls within. This zoning district is described in the Cities Municipal Code as

“...provid[ing] for wholesale, warehousing, and heavy commercial uses, highway-oriented commercial retail, public and quasi-public uses, and similar and compatible uses. The designation is also intended to accommodate visitor lodging, commercial recreation and public gathering facilities, such as amphitheaters, or public gardens. It also allows most neighborhood and mixed commercial uses.”

The specific project components would be required to determine allowable use and be required to obtain correct permitting and review prior to issuance of grading permits. The proposed uses including hotel, grocery, restaurants, and vehicle service stations are all allowed under this zoning district and fit in to the overall aesthetic landscape. The project would align with the General Plan’s Circulation Goals to improve the aesthetic quality in the built environment by having curbside landscaping, providing sidewalks and bike lanes where space is available. The Crossing project site includes landscaping plans consistent City guidelines and includes maintaining landscaping and a sidewalk to meet General Plan Guidelines. The Crossing site also proposes adequate and attractive signage to update the area and alert the public to the commercial uses at the project site. The project would also comply with all additional federal, state, and local regulations governing scenic quality. Therefore, impacts are less than significant.

- d) *Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?*

Less Than Significant Impact. Due to the nature of the Project, operational hours are anticipated to be 24 hours per day/7 days per week/ 365 days per year. Excessive or inappropriately directed

lighting can adversely impact nighttime views by reducing the ability to see the night sky and stars. Glare can be caused from unshielded or misdirected lighting sources. Reflective surfaces (i.e., polished metal) can also cause glare. Impacts associated with glare range from simple nuisance to potentially dangerous situations (i.e., if glare is directed into the eyes of motorists). Existing outdoor lighting at and near the project site is associated with commercial/retail, public/institutional, and street lighting typical of suburban areas. The proposed project would generate lighting from two primary sources: lighting from building interiors that would pass through windows, and lighting from exterior sources (e.g., street lighting, vehicles, security lighting, and landscape lighting). Lighting associated with the project would not be directed towards adjacent properties across Atherton Drive toward the residential community.

The City of Manteca's Municipal code Section 15.50.060 General Lighting Standards outlines outdoor lighting standards. This includes nuisance prevention which would require all lighting to be directed downward, toward structures, and shielded to prevent glare and light pollution, maintenance, shielding which would reduce light trespass, level of illumination, max height, energy efficient fixtures, etc. The project would adhere to these standards. Further, the City would also review new lighting for conformance with the 2019 California Green Building Standards Code (CALGreen) (California Code of Regulations [CCR] Title 24 Part 11) such that only the minimum amount of lighting is used, and no light spillage occurs. The Project would adhere to the City's Municipal Code, California's Green Buildings Standards Code, and all additional federal, state, or local regulations. Therefore, resulting in a less than significant impact concerning a new source of substantial light or glare.

Cumulative Impacts

The potential aesthetic impacts related to views, aesthetics, and light and glare are site-specific. As discussed above, project-related impacts to scenic vistas would be less than significant, and the proposed project would not result in any impacts to on-site visual resources because the project would retain and enhance the visual characteristic of the site. In addition, the proposed project would also be consistent and comply with the City's land use, scenic quality and development regulations contained in the City's Municipal Code and General Plan. Lighting and sources of glare, while not always site-specific, would be consistent with the majority of the surrounding urban area and would be used during similar hours as surrounding uses. Therefore, while the proposed project in conjunction with past, present, and reasonably foreseeable development would change the appearance of the site, all development projects follow applicable local planning and design guidelines regarding roadway design including materials, coloration, and landscaping as specified in the City's Municipal Code regarding lighting standards and limitation. Therefore, aesthetic impacts are not expected to be cumulatively considerable, and impacts would be less than significant.

5.2 AGRICULTURE AND FORESTRY RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
<p>AGRICULTURE AND FORESTRY 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. Would the project:</p>				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?			X	
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?			X	
c) 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))?			X	
d) Result in the loss of forest land or conversion of forest land to non-forest use?			X	
e) 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?			X	

- a) *Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?*

Less Than Significant Impact. The Project site is currently predominantly previously disturbed vacant land, excluding a portion of 2303 W Atherton Dr or APN 24132058, that is currently developed and under commercial use as Sterling Home Showcase. The project site is not designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance as shown

on the California Important Farmland Finder Map. Under the Farmland Mapping and Monitoring program the project site is designated Urban and Built-Up Land and therefore would have a less than significant impact.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

Less Than Significant Impact. Refer to a) The project site is not under a Williamson Act contract and does not have existing zoning for agricultural use. Therefore, the proposed project would have a less than significant impact to zoning for agricultural use or a Williamson Act Contract.

c) 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))?

Less Than Significant Impact. The project is not zoned as forest land, timberland, or timberland production and no land in the project vicinity is. Therefore, the project would not conflict or cause rezoning of any forest land (as defined in Public Resource Code section 12220(g)) timberland (as defined by Public Resources Code section 4526), or zoned Timberland Production (as defined by Government Code section 51104(g)). Therefore, impacts related to the loss of this agricultural resource are less than significant.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

Less Than Significant Impact. **Refer to c)**

e) 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?

Less Than Significant Impact. **Refer to a) and c)**

Cumulative Impacts

The proposed Project would have no impact on agricultural and forestry resources since the surrounding uses are currently used for commercial, residential, public use, and industrial purposes. Therefore, the Project would not contribute to a cumulatively considerable impact to agriculture.

5.3 AIR QUALITY

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?			X	
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?			X	
c) Expose sensitive receptors to substantial pollutant concentrations?			X	
d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?			X	

REGULATORY SETTING

Federal

Federal Clean Air Act

Air quality is federally protected by the Federal Clean Air Act (FCAA) and its amendments. Under the FCAA, the EPA developed the primary and secondary National Ambient Air Quality Standards (NAAQS) for the criteria air pollutants including ozone, NO₂, CO, SO₂, PM₁₀, PM_{2.5}, and lead. Depending on whether the standards are met or exceeded, the local air basin is classified as in “attainment” or “nonattainment.” Some areas are unclassified, which means no monitoring data are available. Unclassified areas are considered to be in attainment. Proposed projects in or near nonattainment areas could be subject to more stringent air-permitting requirements. The FCAA requires that each state prepare a State Implementation Plan (SIP) to demonstrate how it will attain the NAAQS within the federally imposed deadlines.

The U.S. Environmental Protection Agency (EPA) has designated enforcement of air pollution control regulations to the individual states. Applicable federal standards are summarized in *Table 1: State and Federal Ambient Air Quality Standards*.

California Air Resources Board

CARB administers California’s air quality policy. The California Ambient Air Quality Standards (CAAQS) were established in 1969 pursuant to the Mulford-Carrell Act. These standards, included with the NAAQS in *Table 1*, are generally more stringent and apply to more pollutants than the NAAQS. In addition to the criteria pollutants, CAAQS have been established for visibility reducing particulates, hydrogen sulfide, and sulfates. In general, the San Joaquin County experiences low concentrations of most pollutants when compared to federal standards, except for O₃ and PM, for which standards are exceeded periodically. San Joaquin County has a State designation Attainment or Unclassified for all criteria pollutants except for ozone, PM₁₀ and PM_{2.5}. San Joaquin County has a national designation of either “Unclassified” or “Attainment” for all criteria pollutants except for Ozone and PM_{2.5}.

The California Clean Air Act (CCAA), which was approved in 1988, requires that each local air district prepare and maintain an Air Quality Management Plan (AQMP) to achieve compliance with CAAQS. These AQMPs also serve as the basis for the preparation of the SIP for meeting federal clean air standards for the State of California. Like the EPA, CARB also designates areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a state standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events such as wildfires, volcanoes, etc. are not considered violations of a State standard, and are not used as a basis for designating areas as nonattainment. The applicable State standards are summarized in *Table 1*.

Table 1: State and Federal Ambient Air Quality Standards

Pollutant	Averaging Time	State Standards ¹		Federal Standards ²	
		Concentration	Attainment Status	Concentration ³	Attainment Status
Ozone (O ₃)	8 Hour	0.070 ppm (137 µg/m ³)	N ⁹	0.070 ppm	N ⁴
	1 Hour	0.09 ppm (180 µg/m ³)	N	NA	N/A ⁵
Carbon Monoxide (CO)	8 Hour	9.0 ppm (10 mg/m ³)	A	9 ppm (10 mg/m ³)	A ⁶
	1 Hour	20 ppm (23 mg/m ³)	A	35 ppm (40 mg/m ³)	A
Nitrogen Dioxide (NO ₂)	1 Hour	0.18 ppm (339 µg/m ³)	A	0.100 ppm ¹¹	U
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)	-	0.053 ppm (100 µg/m ³)	A
Sulfur Dioxide ¹² (SO ₂)	24 Hour	0.04 ppm (105 µg/m ³)	A	0.14 ppm (365 µg/m ³)	A
	1 Hour	0.25 ppm (655 µg/m ³)	A	0.075 ppm (196 µg/m ³)	A
	Annual Arithmetic Mean	NA	-	0.03 ppm (80 µg/m ³)	A
	24-Hour	50 µg/m ³	N	150 µg/m ³	-U

Particulate Matter (PM ₁₀)	Annual Arithmetic Mean	20 µg/m ³	N ⁷	NA	-
Fine Particulate Matter (PM _{2.5}) ¹⁵	24-Hour	NA	-	35 µg/m ³	U/A
	Annual Arithmetic Mean	12 µg/m ³	N ⁷	12 µg/m ³	N
Sulfates (SO ₄₋₂)	24 Hour	25 µg/m ³	A	NA	-
Lead (Pb) ^{13, 14}	30-Day Average	1.5 µg/m ³	-	NA	A
	Calendar Quarter	NA	-	1.5 µg/m ³	A
	Rolling 3-Month Average	NA	-	0.15 µg/m ³	-
Hydrogen Sulfide (H ₂ S)	1 Hour	0.03 ppm (42 µg/m ³)	U	NA	-
Vinyl Chloride (C ₂ H ₃ Cl)	24 Hour	0.01 ppm (26 µg/m ³)	-	NA	-
Visibility Reducing Particles ⁸	8 Hour (10:00 to 18:00 PST)	-	U	-	-

A = attainment; N = nonattainment; U = unclassified; N/A = not applicable or no applicable standard; ppm = parts per million; µg/m³ = micrograms per cubic meter; mg/m³ = milligrams per cubic meter; - = not indicated or no information available.

- California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1-hour and 24-hour), nitrogen dioxide, suspended particulate matter - PM₁₀, and visibility reducing particles are values that are not to be exceeded. The standards for sulfates, Lake Tahoe carbon monoxide, lead, hydrogen sulfide, and vinyl chloride are not to be equaled or exceeded. If the standard is for a 1-hour, 8-hour or 24-hour average (i.e., all standards except for lead and the PM₁₀ annual standard), then some measurements may be excluded. In particular, measurements are excluded that CARB determines would occur less than once per year on the average. The Lake Tahoe CO standard is 6.0 ppm, a level one-half the national standard and two-thirds the state standard.
- National standards shown are the "primary standards" designed to protect public health. National standards other than for ozone, particulates and those based on annual averages are not to be exceeded more than once a year. The 1-hour ozone standard is attained if, during the most recent three-year period, the average number of days per year with maximum hourly concentrations above the standard is equal to or less than one. The 8-hour ozone standard is attained when the 3-year average of the 4th highest daily concentrations is 0.070 ppm (70 ppb) or less. The 24-hour PM₁₀ standard is attained when the 3-year average of the 99th percentile of monitored concentrations is less than 150 µg/m³. The 24-hour PM_{2.5} standard is attained when the 3-year average of 98th percentiles is less than 35 µg/m³. Except for the national particulate standards, annual standards are met if the annual average falls below the standard at every site. The national annual particulate standard for PM₁₀ is met if the 3-year average falls below the standard at every site. The annual PM_{2.5} standard is met if the 3-year average of annual averages spatially-averaged across officially designed clusters of sites falls below the standard.
- National air quality standards are set by the EPA at levels determined to be protective of public health with an adequate margin of safety.
- On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm. An area will meet the standard if the fourth-highest maximum daily 8-hour ozone concentration per year, averaged over three years, is equal to or less than 0.070 ppm. EPA will make recommendations on attainment designations by October 1, 2016, and issue final designations October 1, 2017. Nonattainment areas will have until 2020 to late 2037 to meet the health standard, with attainment dates varying based on the ozone level in the area.
- The national 1-hour ozone standard was revoked by U.S. EPA on June 15, 2005.
- In April 1998, the Bay Area was redesignated to attainment for the national 8-hour carbon monoxide standard.
- In June 2002, CARB established new annual standards for PM_{2.5} and PM₁₀.
- Statewide VRP Standard (except Lake Tahoe Air Basin): Particles in sufficient amount to produce an extinction coefficient of 0.23 per kilometer when the relative humidity is less than 70 percent. This standard is intended to limit the frequency and severity of visibility impairment due to regional haze and is equivalent to a 10-mile nominal visual range.
- The 8-hour CA ozone standard was approved by the Air Resources Board on April 28, 2005 and became effective on May 17, 2006.

10. On January 9, 2013, EPA issued a final rule to determine that the Bay Area attains the 24-hour PM_{2.5} national standard. This EPA rule suspends key SIP requirements as long as monitoring data continues to show that the Bay Area attains the standard. Despite this EPA action, the Bay Area will continue to be designated as “nonattainment” for the national 24-hour PM_{2.5} standard until such time as the Air District submits a “redesignation request” and a “maintenance plan” to EPA, and EPA approves the proposed redesignation.
11. To attain this standard, the 3-year average of the 98th percentile of the daily maximum 1-hour average at each monitor within an area must not exceed 0.100ppm (effective January 22, 2010). The US Environmental Protection Agency (EPA) expects to make a designation for the Bay Area by the end of 2017.
12. On June 2, 2010, the U.S. EPA established a new 1-hour SO₂ standard, effective August 23, 2010, which is based on the 3-year average of the annual 99th percentile of 1-hour daily maximum concentrations. The existing 0.030 ppm annual and 0.14 ppm 24-hour SO₂ NAAQS however must continue to be used until one year following U.S. EPA initial designations of the new 1-hour SO₂ NAAQS.
13. CARB has identified lead and vinyl chloride as ‘toxic air contaminants’ with no threshold level of exposure below which there are no adverse health effects determined.
14. National lead standard, rolling 3-month average: final rule signed October 15, 2008. Final designations effective December 31, 2011.
15. In December 2012, EPA strengthened the annual PM_{2.5} National Ambient Air Quality Standards (NAAQS) from 15.0 to 12.0 micrograms per cubic meter (µg/m³). In December 2014, EPA issued final area designations for the 2012 primary annual PM_{2.5} NAAQS. Areas designated “unclassifiable/attainment” must continue to take steps to prevent their air quality from deteriorating to unhealthy levels. The effective date of this standard is April 15, 2015.

Source: Bay Area Air Quality Management District, *Air Quality Standards and Attainment Status*, 2017 <http://www.baaqmd.gov/research-and-data/air-quality-standards-and-attainment-status>.

Regional

San Joaquin Valley Air Pollution Control District (SJVAPCD)

The proposed Project lies within the northern portion of the San Joaquin Valley Air Basin (SJVAB). The San Joaquin Valley Air Pollution Control District (SJVAPCD) has jurisdiction over most air quality matters in the SJVAB and is tasked with implementing programs and regulations required by the federal and State Clean Air Acts. If a project is found to interfere with the region’s ability to comply with federal and State air quality standards, local governments then need to consider project modifications or provide mitigation measures to eliminate the inconsistency of the project plans. In order for a project to be considered “consistent” with the latest Air Quality Plan (AQP), the project must be consistent with the goals, objectives, and assumptions in the respective plan to achieve Federal and State air quality standards. Additionally, both construction-related and long-term emissions are required to be quantified and compared to the SJVAPCD significance thresholds.

Clean Air Plan

Air quality plans developed to meet federal requirements are referred to as State Implementation Plans. The federal and state Clean Air Acts require plans to be developed for areas designated as nonattainment (with the exception of areas designated as nonattainment for the state PM₁₀ standard). The SJVAQMD is responsible for developing a Clean Air Plan, which guides the region’s air quality planning efforts to attain the CAAQS. The SJVAQMD adopted the 2022 Ozone Plan and 2018 PM 2.5 Plan.

SJVAQMD periodically develops air quality plans that outline the regional strategy to improve air quality and protect the climate. The most recent plan, 2018 Plan for the 1997, 2006, and 2012 PM 2.5 Standards, includes a wide range of control measures designed to reduce emissions of air pollutants and GHGs.

Local*City of Manteca Municipal Code*

Chapter 17.58 of the Manteca Municipal Code describes the odor, particulate matter, and air containment standards (consistent with the rules and regulations of the SJVAPCD and the California Health and Safety Code). Chapter 15.62 of the Municipal Code provides expedited permitting procedures for electric vehicle charging stations. Furthermore, Chapter 15.60 describes the solar energy system requirements associated with small residential rooftop solar energy systems within the City.

City of Manteca General Plan

The Manteca General Plan Update includes the following policies intended to control or reduce air pollution impacts:

- AQ-P-1:** Cooperate with other agencies to develop a consistent and coordinated approach to reduction of air pollution and management of hazardous air pollutants.
- AQ-P-7:** New construction will be managed to minimize fugitive dust and construction vehicle emissions.
- AQ-P-9:** Burning of any combustible material within the City will be controlled to minimize particulate air pollution.
- AQ-I-1:** Work with the San Joaquin Valley Air Pollution Control District (APCD) to implement the Air Quality Management Plan (AQMP).
- Cooperate with the APCD to develop consistent and accurate procedures for evaluating project-specific and cumulative air quality impacts.
 - Cooperate with the APCD and the California Air Resources Board in their efforts to develop a local airshed model.
 - Cooperate with the APCD in their efforts to develop a cost/benefit analysis of possible control strategies (mitigation measures to minimize short and long-term stationary and area source emissions as part of the development review process, and monitoring measures to ensure that mitigation measures are implemented.
- AQ-I-2:** In accordance with CEQA, submit development proposals to the APCD for review and comment prior to decision.

THRESHOLDS

The City of Manteca, including the project site, is located within the northern portion of the San Joaquin Valley Air Basin (Basin) and is within the jurisdictional boundaries of the San Joaquin Valley Air Pollution Control District (SJVAPCD). The SJVAB area is currently designated as a non-attainment area for the State and federal ozone, State and federal particulate matter 2.5 microns in diameter (PM_{2.5}), and State particulate matter 10 microns in diameter (PM₁₀) standards. The SJVAB is designated attainment or

unclassified for all other ambient air quality standards (AAQS). It should be noted that although the U.S. Environmental Protection Agency (EPA) revoked their 1-hour ozone standard in 2005, in May of 2016, the EPA proposed findings that the SJVAB was in attainment of the 1-hour ozone standard.

In compliance with regulations, due to the non-attainment designations of the area, the SJVAPCD periodically prepares and updates air quality plans that provide emission reduction strategies to achieve attainment of the AAQS, including control strategies to reduce air pollutant emissions through regulations, incentive programs, public education, and partnerships with other agencies. The most recent ozone plan is the 2016 Ozone Plan for the 2008 8-Hour Ozone Standard, which was adopted by the SJVAPCD on June 16, 2016. The California Air Resources Board (CARB) subsequently conducted a public meeting to consider approval of the 2016 Ozone Plan for the 2008 8-Hour Ozone Standard and approved the plan on July 21, 2016. Additionally, the most recent federal attainment plan for PM is the 2016 Plan for the 1997 PM_{2.5} Standard, which was approved by the District Governing Board on April 16, 2015.

The aforementioned air quality plans contain mobile source controls, stationary source controls, and transportation control measures (TCMs) to be implemented in the region to attain the State and federal standards within the SJVAB. Adopted SJVAPCD rules and regulations, as well as the thresholds of significance, have been developed with the intent to ensure continued attainment of AAQS, or to work towards attainment of AAQS for which the area is currently designated non-attainment, consistent with applicable air quality plans. The SJVAPCD has established broad significance thresholds associated with the construction and operation emissions for various criteria pollutants including ozone precursors such as reactive organic gases (ROG) and oxides of nitrogen (NO_x), as well as for PM₁₀, PM_{2.5}, sulfur oxide (SO_x), and carbon monoxide (CO) expressed in tons per year. Thus, by exceeding the SJVAPCD's mass emission thresholds for operational emissions of ROG, NO_x, PM₁₀, PM_{2.5}, SO_x, or CO a project would be considered to conflict with or obstruct implementation of the SJVAPCD's air quality planning efforts. The SJVAPCD's adopted thresholds of significance for criteria pollutant emissions are presented in *Table 2: SJVAPCD Criteria Pollutant Thresholds of Significance*. If the proposed project's emissions exceed the applicable thresholds of significance presented in the table, the project could violate an air quality standard, contribute to an existing or projected air quality violation or conflict with or obstruct implementation of the applicable air quality plans.

Table 2: SJVAPCD Criteria Pollutant Thresholds of Significance

Criteria Air Pollutants and Precursors (Regional)	Construction-Related	Operational-Related
	Average Annual Emissions (tons/year)	Annual Average Emission (tons/year)
Reactive Organic Gases (ROG)	10	10
Nitrogen Oxides (NO _x)	10	10
Carbon Monoxide (CO)	100	100
Sulfur Oxides (SO _x)	27	27
Coarse Particulates (PM ₁₀)	15	15
Fine Particulates (PM _{2.5})	15	15

Source: SJVAPCD, March 19, 2015.

ENVIRONMENTAL IMPACTS*a) Conflict with or obstruct implementation of the applicable air quality plan?*

Less Than Significant Impact. The SJVAPCD is tasked with implementing programs and regulations required by the Federal Clean Air Act and the California Clean Air Act. In that capacity, the SJVAPCD has prepared plans to attain Federal and State ambient air quality standards. To achieve attainment with the standards, the SJVAPCD has established thresholds of significance for criteria pollutant emissions in their SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts (2015). Projects with emissions below the thresholds of significance for criteria pollutants would be determined to “Not conflict or obstruct implementation of the District’s air quality plan”. As discussed in Threshold AQ-2 below, the project would not exceed any SJVAPCD Criteria Pollutant Thresholds during construction or operations. Therefore, the project would not conflict with or delay the implementation of SJVAPCD attainment plans and would result in a less than significant impact.

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?

Less Than Significant Impact.

Construction Emissions

Project construction activities would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the project area include ozone-precursor pollutants (i.e., ROG and NO_x) and PM₁₀ and PM_{2.5}. Construction-generated emissions are short term and temporary, lasting only while construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the SJVAPCD’s thresholds of significance.

Construction results in the temporary generation of emissions during demolition, site preparation, site grading, road paving, motor vehicle exhaust associated with construction equipment and worker trips, and the movement of construction equipment, especially on unpaved surfaces. Emissions of airborne particulate matter are largely dependent on the amount of ground disturbance associated with site preparation activities, as well as weather conditions and the appropriate application of water. For this project, site preparation includes the excavation and removal of previously identified contaminated soils.

The duration of construction activities associated with the project are estimated to last approximately 16 months, beginning in August 2022 and concluding at the end of December 2023. The project’s construction-related emissions were calculated using the SJVAPCD-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. Project demolition and site preparation are anticipated to begin in August 2022 and last approximately one month. Project grading and

construction is anticipated to begin in September 2022 and last approximately 10 months. The project would include approximately 32,700 cubic yards (cy) of balanced cut and fill on site. Paving and Architectural Coating were modeled to be completed December 2023. The exact construction timeline is unknown; however, to be conservative, earlier dates were utilized in the modeling. This approach is conservative given that emissions factors decrease in future years due to regulatory and technological improvements and fleet turnover. See Appendix A: Air Quality Modeling Data for additional information regarding the construction assumptions used in this analysis. The project's predicted maximum daily construction-related emissions are summarized in *Table 3: Construction-Related Emissions*.

Table 3: Construction-Related Emissions

Construction Year	Pollutant (maximum tons per year) ¹					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO _x)	Carbon Monoxide (CO)	Sulfur Oxides (SO _x)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
Project Emissions						
2022	0.17	1.61	1.36	0.00	0.23	0.13
2023	2.34	2.32	2.85	0.01	0.09	0.16
Maximum	2.34	2.32	2.85	0.01	0.23	0.16
<i>SJVAPCD Significance Threshold²</i>	10	10	100	27	15	15
Exceed BAAQMD Threshold?	No	No	No	No	No	No
1. These emissions reflect CalEEMod "mitigated" output, which accounts for compliance with SJVAPCD's Rule 9510 (Indirect Source Review) and implementation of the project's fugitive dust control strategies, including watering of the project site and unpaved roads three times per day, and restricting vehicle speed on unpaved roads to 15 miles per hour. 2. SJVAPCD, August 2015. Source: Refer to the CalEEMod outputs provided in Appendix A.						

Fugitive Dust Emissions. Fugitive dust emissions are associated with land clearing, ground excavation, cut-and-fill operations, demolition, and truck travel on unpaved roadways. Dust emissions also vary substantially from day to day, depending on the level of activity, the specific operations, and weather conditions. Fugitive dust emissions may have a substantial, temporary impact on local air quality. In addition, fugitive dust may be a nuisance to those living and working in the project vicinity. Uncontrolled dust from construction can become a nuisance and potential health hazard to those living and working nearby. Pursuant to Regulation VIII, Rule 9510, the project would be required to develop, prepare, submit, obtain approval of, and implement a dust control plan, which would reduce fugitive dust impacts to less than significant for project construction.

Construction Equipment and Worker Vehicle Exhaust. Exhaust emission factors for typical diesel-powered heavy equipment are based on the CalEEMod program defaults. Variables factored into

estimating the total construction emissions include: level of activity, length of construction period, number of pieces/types of equipment in use, site characteristics, weather conditions, number of construction personnel, and the amount of materials to be transported onsite or offsite. Exhaust emissions from construction activities include emissions associated with the transport of machinery and supplies to and from the project site, emissions produced on site as the equipment is used, and emissions from trucks transporting materials and workers to and from the site. Emitted pollutants would include ROG, NO_x, PM₁₀, and PM_{2.5}. As detailed in *Table 3*, project construction emissions would not the SJVAPCD thresholds and construction emissions would not result in a potentially significant impact. Therefore, construction air quality impacts would be less than significant.

ROG Emissions. In addition to gaseous and particulate emissions, the application of asphalt and surface coatings creates ROG emissions, which are O₃ precursors. In accordance with the methodology prescribed by the SJVAPCD, the ROG emissions associated with paving have been quantified with CalEEMod.

The highest concentration of ROG emissions would be generated from architectural coating beginning in September 2023 and lasting approximately four months. This phase includes the interior and exterior painting as well as striping of all paved parking areas and driveways. Paints would be required to comply with SJVAPCD’s Rule 4601 (Architectural Coatings) and limit the amount of ROG emissions from cutback asphalt in compliance with the requirements of SJVAPCD’s Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations).

Summary. As shown in *Table 3*, all criteria pollutant emissions would remain below their respective thresholds. As such, the proposed project’s construction would not worsen ambient air quality, create additional violations of federal and state standards, or delay the Basin’s goal for meeting attainment standards. Impacts would be less than significant.

Operational Emissions

Operational emissions for industrial developments are typically generated from mobile sources (burning of fossil fuels in cars); energy sources (cooling and heating); and area sources (landscape equipment and household products). *Table 4: Project Operational Emissions* shows that the project's maximum emissions would not exceed SJVAPCD operational thresholds.

Table 4: Project Operational Emissions

Emissions Source	Pollutant (maximum tons per year) ¹					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO _x)	Carbon Monoxide (CO)	Sulfur Oxides (SO _x)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
Proposed Project						
Area	1.34	0.00	0.00	0.00	0.00	0.00
Energy	0.05	0.41	0.35	0.00	0.03	0.03

Emissions Source	Pollutant (maximum tons per year) ¹					
	Reactive Organic Gases (ROG)	Nitrogen Oxides (NO _x)	Carbon Monoxide (CO)	Sulfur Oxides (SO _x)	Coarse Particulate Matter (PM ₁₀)	Fine Particulate Matter (PM _{2.5})
Mobile	4.13	4.68	28.55	0.05	4.82	1.32
Gas Dispensing Facility	4.15	0.00	0.00	0.00	0.00	0.00
Total Project Emissions	9.67	5.09	28.90	0.05	4.85	1.35
<i>SJVAPCD Significance Threshold²</i>	<i>10</i>	<i>10</i>	<i>100</i>	<i>27</i>	<i>15</i>	<i>15</i>
SJVAPCD Threshold Exceeded?	No	No	No	No	No	No
1. Emissions were calculated using CalEEMod.						
3. SJVAPCD, 2015.						
Source: Refer to the CalEEMod outputs provided in Appendix A, Air Quality Modeling Data.						

Area Source Emissions. Area source emissions would be generated due to the use consumer products, architectural coating, and landscaping.

Energy Source Emissions. Energy source emissions would be generated as a result of electricity and natural gas usage associated with the project. The primary use of electricity and natural gas by the project would be for space heating and cooling, water heating, ventilation, lighting, appliances, and electronics.

Mobile Source Emissions. Mobile sources are emissions from motor vehicles, including tailpipe and evaporative emissions. Depending upon the pollutant being discussed, the potential air quality impact may be of either regional or local concern. For example, ROG, NO_x, PM₁₀, and PM_{2.5} are all pollutants of regional concern (NO_x and ROG react with sunlight to form O₃ [photochemical smog], and wind currents readily transport PM₁₀ and PM_{2.5}). However, CO tends to be a localized pollutant, dispersing rapidly at the source. Project-generated vehicle emissions have been estimated using CalEEMod. Trip generation rates associated with the project were based on the Project Transportation Analysis prepared by TJKM (2022). Based on the Transportation Analysis, the project would result in a gross total of 12,160 daily vehicle trips. However, with applicable trip reductions including location-based mode-share the project would result in 10,944 net new trips.

Gasoline Dispensing Facility. The proposed project includes one (1) 22-position gasoline dispensing facility (GDF) and GDFs are regulated by the SJVAPCD. Because GDFs require permits from the Air District, emissions attributed to the GDF were estimated separately from the area source operational emissions above. The emissions calculations are based on annual daily throughput of 19,008 gallons of gasoline (approximately 6.937 million gallons per year) and 43,712 gallons of diesel (approximately 15.945 million gallons per year). In addition to traffic-related emissions, the GDF is also a source of ROG emissions associated with loading, storage, refueling of vehicles and spillage that results in evaporative emissions. *Table 4* also presents the evaporative ROG emissions

associated with the proposed GDF. As shown in *Table 4*, the ROG emissions from the proposed GDF would not result in an exceedance of the SJVAPCD's applicable significance thresholds.

Total Operational Emissions. As seen in *Table 4*, net project operational emissions would not exceed SJVAPCD thresholds. As noted above, the SJVAPCD has set its CEQA significance threshold based on the trigger levels for the federal NSR Program. The NSR Program was created to ensure projects are consistent with attainment of health-based federal ambient air quality standards. The federal ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect the public health. Therefore, the project would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and no criteria pollutant health impacts would occur. Project operational emissions would be less than significant.

Emergency Backup Generators. Another potential source of operational emissions is stationary equipment such as diesel engines used to power emergency back-up generators. Stationary sources would be subject to SJVAPCD rules and regulations and could require permits from SJVAPCD. The SJVAPCD's permitting process requires the purchase of emission reduction credits (ERC) for any criteria pollutant exceeding the SJVAPCD's New Source Review (NSR) offset requirements. NSR offset requirements provide the basis for the SJVAPCD CEQA thresholds of significance. As such, sources of stationary air pollutant emissions will be required to comply with all applicable SJVAPCD regulations. Therefore, a less than significant impact would occur with regard to stationary equipment emissions.

Cumulative Short-Term Emissions

The SJVAB is designated nonattainment for O₃, PM₁₀, and PM_{2.5} for State standards and nonattainment for O₃ and PM_{2.5} for Federal standards. discussed above, the project's construction-related emissions would not have the potential to exceed the SJVAPCD significance thresholds for criteria pollutants.

Since these thresholds indicate whether an individual project's emissions have the potential to affect cumulative regional air quality, it can be expected that the project-related construction emissions would not be cumulatively considerable. The SJVAPCD recommends consistency Regulation VIII for all projects whether or not construction-related emissions exceed the thresholds of significance. Compliance with SJVAPCD construction-related mitigation requirements is considered to reduce cumulative impacts at a Basin-wide level. As a result, construction emissions associated with the project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

Cumulative Long-Term Impacts

The SJVAPCD has not established separate significance thresholds for cumulative operational emissions. The nature of air emissions is largely a cumulative impact. As a result, no single project

is sufficient in size, by itself, to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. The SJVAPCD developed the operational thresholds of significance based on the level above which a project's individual emissions would result in a cumulatively considerable contribution to the Basin's existing air quality conditions. Therefore, a project that exceeds the SJVAPCD operational thresholds would also be a cumulatively considerable contribution to a significant cumulative impact.¹

As shown in *Table 4*, the project's operational emissions would not exceed SJVAPCD thresholds. As a result, operational emissions associated with the project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

c) *Expose sensitive receptors to substantial pollutant concentrations?*

Less Than Significant Impact. Sensitive land uses are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. The nearest sensitive receptors to the project site include single-family residences approximately 100 feet to the west along Atherton Drive.

Construction Toxic Air Contaminants

Construction equipment and associated heavy-duty truck traffic generates diesel exhaust which is a known Toxic Air Contaminants (TAC). Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. However, the use of diesel-powered construction equipment would be episodic and would occur in various phases throughout the project site. Construction is subject to and would comply with California regulations (e.g., California Code of Regulations, Title 13, Division 3, Article 1, Chapter 10, Sections 2485 and 2449), which reduce DPM and criteria pollutant emissions from in-use off-road diesel-fueled vehicles and limit the idling of heavy-duty construction equipment to no more than five minutes. These regulations would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions.

The duration of construction activities for the project is estimated to take approximately 16 months. Construction-related activities would result in project-generated emissions of DPM from the exhaust of off-road, heavy-duty diesel equipment for demolition, site preparation (e.g., clearing, grading); paving; application of architectural coatings; on-road truck travel; and other miscellaneous activities. For construction activity, DPM is the primary toxic air contaminant of concern. On-road diesel-powered haul trucks traveling to and from the construction area to deliver materials and equipment are less of a concern because they would not stay on the site for long durations. Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. The nearest sensitive receptors include single-family residences located approximately 100 feet to the west of the project site.

¹ In developing thresholds of significance for air pollutants, BAAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts to the region's existing air quality conditions (BAAQMD CEQA Guidelines page 2-1).

PM₁₀ construction emissions rates in grams per second were calculated from the total annual mitigated on-site exhaust emissions reported in CalEEMod (a maximum of 0.07 tons per year)² during construction. Annual emissions were converted to grams per second and these emissions rates were input into the U.S. EPA AERMOD dispersion model. AERMOD is a steady-state, multiple-source, Gaussian dispersion model designed for use with emission sources situated in terrain where ground elevations can exceed the stack heights of the emission sources (not a factor in this case). AERMOD requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. Surface and upper air meteorological data was provided by the SJVAPCD. On-site construction emissions were represented in the model via an area source covering the entire project site. The locations of the AERMOD modeled sources and receptors are graphically shown in Appendix B.

As noted above, maximum (worst case) PM₁₀ exhaust construction emissions over the entire construction period were used in AERMOD to approximate construction DPM emissions. Risk levels were calculated based on the California Office of Environmental Health Hazard Assessment (OEHHA) guidance document, Air Toxics Hot Spots Program Risk Assessment Guidelines (February 2015). Results of this assessment are summarized in *Table 5: Construction Risk Assessment Results*.

Table 5: Construction Risk Assessment Results

Exposure Scenario	Pollutant Concentration (µg/m ³) ¹	Maximum Cancer Risk (Risk per Million)	Chronic Noncancer Hazard	Acute Noncancer Hazard
Construction	0.03	11.12	0.006	0.8
<i>SJVAPCD Threshold</i>	<i>N/A</i>	<i>20</i>	<i>1.0</i>	<i>1.0</i>
Threshold Exceeded?	No	No	No	No
Notes:				
1. The maximum concentration for residential uses approximately 100 feet to the west is reported.				
Source: Refer to Appendix A: Air Quality Modeling Data for AERMOD inputs, outputs, and risk calculations.				

Results of this assessment indicate that the maximum concentration of PM₁₀ during construction would be 0.03 µg/m³ and resultant cancer risk of 11.12 in one million, which would not exceed the SJVAPCD threshold of 20 in one million. Non-cancer hazards for DPM would be below SJVAPCD threshold of 1.0, with a chronic hazard index computed at 0.006 and an acute hazard index of 0.8. Additionally, construction is subject to and would comply with California regulations (e.g., California Code of Regulations, Title 13, Sections 2485 and 2449), which reduce diesel PM and criteria pollutant emissions from in-use off-road diesel-fueled vehicles and limit the idling of heavy-duty construction equipment to no more than five minutes. These regulations would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions. Given the temporary and intermittent nature of construction activities likely to occur within specific locations in the project site (i.e., construction is not likely to occur in any one location for an extended time), the dose of DPM of any one receptor is exposed to would be limited. A less than significant impact would occur in this regard.

² The modeled on- and off-site emissions include implementation of SJVAPCD Regulation VIII, Fugitive Dust.

Operational Toxic Air Contaminants

According to the *Manteca Retail Site Preliminary Traffic Study* (TJKM, February 22, 2022) (Project Traffic Study) prepared of the project, the project is anticipated to generate approximately 10,944 net daily vehicle trips, including heavy truck trips to the proposed grocery store and gas station and would be the most prominent sources of DPM during project operations. As shown in *Table 6: Operational Risk Assessment Results*, the highest calculated carcinogenic risk resulting from the project is 16.44 per million residents, which is below the SJVAPCD threshold of 20 per million. Acute and chronic hazards also would be below the SJVAPCD significance threshold of 1.0. Operational impacts from DPM would be less than significant.

Table 6: Operational Risk Assessment Results

Exposure Scenario	Pollutant Concentration ($\mu\text{g}/\text{m}^3$) ¹	Maximum Cancer Risk (Risk per Million)	Chronic Noncancer Hazard	Acute Noncancer Hazard
Particulate Matter (PM ₁₀)	0.019	16.44	0.004	0.11
<i>Threshold</i>	<i>20</i>	<i>20</i>	<i>1.0</i>	<i>1.0</i>
Exceed Threshold?	No	No	No	No
1. The maximum concentration for residential uses approximately 100 feet to the west is reported.				
Source: Refer to Appendix A: Air Quality Modeling Data for AERMOD inputs, outputs, and risk calculations.				

Carbon Monoxide Hotspots

The primary mobile-source criteria pollutant of local concern is carbon monoxide. Concentrations of CO are a direct function of the number of vehicles, length of delay, and traffic flow conditions. Transport of this criteria pollutant is extremely limited; CO disperses rapidly with distance from the source under normal meteorological conditions. Under certain meteorological conditions, however, CO concentrations close to congested intersections that experience high levels of traffic and elevated background concentrations may reach unhealthy levels, affecting nearby sensitive receptors. Areas of high CO concentrations, or “hot spots,” are typically associated with intersections that are projected to operate at unacceptable levels of service during the peak commute hours. CO concentration modeling is therefore typically conducted for intersections that are projected to operate at unacceptable levels of service during peak commute hours.

Although the SJVAPCD has not established a specific numerical screening threshold for CO impacts, the Bay Area Air Quality Management District (BAAQMD) has established that CO impacts may be determined to be less than significant if a project would not increase traffic volumes at local intersections to more than 44,000 vehicles per hour, or 24,000 vehicles per hour for locations in heavily urban areas, where “urban canyons” formed by buildings tend to reduce air circulation. Traffic would increase along surrounding roadways during long-term operational activities.

According to the Project Traffic Study (2022), the project would generate approximately 10,944 net new daily trips. The project’s effects to existing vehicle distribution and travel speeds would be nominal. Therefore, the project would not involve intersections with more than 24,000 or 44,000 vehicles per hour. As a result, the project would not have the potential to create a CO hotspot and impacts would be less than significant.

- d) *Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?)*

Less Than Significant Impact.

Construction

According to the SJVAPCD, land uses associated with odor complaints typically include wastewater treatment plants, landfills, confined animal facilities, composting stations, food manufacturing plants, refineries, and chemical plants. The project does not include any uses identified by the SJVAPCD as being associated with odors.

Construction activities associated with the project may generate detectable odors from heavy duty equipment (i.e., diesel exhaust), as well as from architectural coatings and asphalt off-gassing. Odors generated from the referenced sources are common in the man-made environment and are not known to be substantially offensive to adjacent receptors. Any construction-related odors would be short-term in nature and cease upon project completion. As a result, impacts to existing adjacent land uses from construction-related odors would be short-term in duration and therefore would be less than significant.

Operational

The proposed project is not anticipated to generate odors. Moreover, the project is not located in the vicinity of any existing or planned land uses that would be considered major sources of odors. Nonetheless, the project would be subject to the SJVAPCD's Rule 4102, which allows members of the public to submit complaints regarding odor. Impacts would be less than significant.

Cumulative Impacts

The SJVAPCD does not include separate significance thresholds for cumulative operational emissions. As discussed in Threshold AQ-2 above, the project would not exceed the any SJVAPCD Criteria Pollutant Thresholds during construction or operations. Therefore, the project would not conflict with or delay the implementation of SJVAPCD attainment plans and would result in a less than significant threshold. The SJVAPCD notes that the nature of air emissions is largely a cumulative impact. As a result, no single project is sufficient in size by itself to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. Consistency with the SJVAPCD control measures would ensure that the project would not cumulatively contribute to air quality impacts in the Basin. Therefore, the project's cumulative contribution of air quality emissions would be less than significant, and the project's cumulative air quality impacts would also be less than cumulatively considerable.

5.4 BIOLOGICAL RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
BIOLOGICAL RESOURCES. Would the project:				
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?		X		
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?			X	
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?			X	
d) 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?		X		
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?			X	
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?		X		

- 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?*

Less Than Significant With Mitigation Incorporated. Special-status species includes plant and/or wildlife species that are legally protected under the federal Endangered Species Act, the California Endangered Species Act, or other regulations, or are considered rare enough by the scientific community and trustee agencies to warrant special consideration.

The project is in an urban area with substantial existing development. This includes SR 120 to the north, residential uses south, and additional commercial uses in the local vicinity. In addition, a portion of the site has existing development and the remaining areas have been previously disturbed with no native vegetation. Therefore, the site is not expected to support substantial plant and wildlife beyond what currently exists. A previous biological survey performed on the project site in conjunction with the San Joaquin Council of Governments (SJCOG) identified potential impacts on Swainson's Hawk, western burrowing owl, and other migratory birds (See Appendix C for the SJCOG's Advisory Statements on the project sites San Joaquin County Multispecies Habitat Conservation & Open Space Plan conditions (SJMSCP)). Due to lack of suitable habitat, no special-status plant species are expected to occur. While The Crossings area may have provided habitat for special-status wildlife species at some time in the past, historical farming and urban development have substantially modified natural habitats in the greater project vicinity. Nonetheless the project site contains potentially suitable habitat for both Swainson's Hawk and burrowing owl; therefore, the project could have potentially significant impacts on these species.

The project site has been determined by the SJCOG to fall within a Category A – No Pay Zone, which exempts the project from paying SJMSCP fees. The project site falls under this category because it is classified as Urban Habitat by the SJCOG and the conversion of open space has already occurred. Although the project would not be required to pay SJMSCP fees, the project would need to participate in the SJMSCP, as required by City policy and specified in the mitigation measure below. See Appendix D for the Certificate of Payment for The Crossings Project site. The SJMSCP contains Incidental Take Minimization Measures (ITMMs) for both Swainson's Hawk and burrowing owl. Implementation of Mitigation Measure BIO-1 would reduce project impacts on special-status species to a level that would be less than significant.

MM BIO-1: The developer shall mitigate for the proportionate loss of potential wildlife habitat from the project site by applying for coverage and implementing Incidental Take Minimization Measures (ITMMs) as required by the adopted San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP).

- 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?*

Less than Significant Impact. As there are no streams on or near the project site, there is no riparian habitat. Additionally, the US Fish and Wildlife Service did not identify any other sensitive natural communities on the National Wetlands Mapper Inventory. The project would have a less than significant impact on these habitats.

- 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?*

Less Than Significant Impact. As identified from the US Fish and Wildlife National Wetlands Mapper, there are no identified state or federally protected wetlands mapped within The Crossings project site. Therefore, there is a less than significant impact.

- d) *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?*

Less Than Significant With Mitigation Incorporated. As noted, there are no streams on or near the project site. The project site is not a known wildlife migration corridor and is unlikely to be one, given its location amid urban development. However, the project site contains trees around the perimeter of the site and within the previously developed portion of the site, that could be used by raptors and other migratory birds during their nesting seasons. If these trees are removed during nesting seasons for these birds, this could have a direct, adverse impact. However, with the implementation of MM BIO-2, impacts would be reduced to a level that would be less than significant.

MM BIO-2: In the event trees need to be removed or trimmed to facilitate the project, they should be felled or trimmed outside of the general bird nesting season (February 1 through August 31). If not, the developer shall have a nesting bird survey conducted immediately prior to tree trimming or removal. If active nests are found, tree felling, or trimming shall be delayed until the young have fledged.

- e) *Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?*

Less than Significant Impact. Potentially applicable local requirements are the City's Street Tree Ordinance and the Street Tree Plan. There are trees within the public right-of-way, located along the perimeter of the project site. The treatment of these trees would comply with the City of Manteca's Tree and Shrub Ordinance, located in Chapter 12.08 of the Municipal Code. Any existing trees removed within the public right of way, would be replaced on-site within an approved landscape plan, that is consistent with the City's tree replacement and removal schedule, as

shown in Chapter 17.48.060.D. Therefore, the project would have a less than significant impact on local biological requirements.

f) *Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?*

Less Than Significant With Mitigation Incorporated. The San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP) is a multi-species, multi-habitat, multi-purpose open space management program for all of San Joaquin County. The Manteca City Council adopted the SJMSCP (Resolution #R2001-46) on February 5, 2001, signing a Joint Powers Agreement with other City, County, State, and Federal agencies. The SJMSCP is a 50-year Plan (2001 – 2051) that provides compensation for the conversion of open space to non-open space uses which affect the plant, fish, and wildlife species covered by the Plan. The Plan also includes some compensation to offset the impacts of open space conversions on non-wildlife related resources such as recreation, agriculture, scenic values, and other beneficial open space. The SJMSCP provides three compensation methods: preservation of existing sensitive lands, creation of new comparable habitat on the project site, or payment of fees that would be used to secure preserve lands outside the project site. In addition to fee payments, the SJMSCP identifies and requires the applicants to abide by Incidental Take Minimization Measures (ITMMs), which are protection measures that avoid direct impacts of development on special-status species (SJCOG 2000). The SJCOG implements the SJMSCP on a project-by-project basis. The City of Lathrop is a participant in the SJMSCP. As previously mentioned, the project site is within Category A – No Pay Zone, which exempts the project from SJMSCP fees.

As discussion in Impact a) above, the project would implement MM BIO-1, which would require compliance with the SJMSCP, including implementation of any applicable Incidental Take Minimization Measures. No other habitat conservation plans apply to the project site and the project would not conflict with the SJMSCP with the implementation of MM BIO-1.

Cumulative Impacts

Overall, the project is a previously disturbed with existing development located within an urban environment. To the north of the site is SR 120 and to the south is residential uses. The surrounding area has been historically modified from agricultural uses and then further commercial development. Therefore, the development of The Crossings project site would not be cumulatively considerable. In addition, the site is not located within a known habitat corridor and does not contain any riparian habitat, federally protected wetlands, or other sensitive natural communities. Though the project is located within the SJMSCP, it would comply with all policies, fees, and mitigation measures associated. Therefore, overall, with the above mentioned implementation the project would have a less than significant impact on biological resources.

5.5 CULTURAL RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impac t
CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to in § 15064.5?			X	
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?		X		
c) Disturb any human remains, including those interred outside of dedicated cemeteries?			X	

a) *Cause a substantial adverse change in the significance of a historical resource pursuant to in § 15064.5?*

Less Than Significant Impact. A Cultural Resources Study for The Crossings Project site was conducted by Rincon Consultants, Inc. on February 2022 (Appendix E). Historical resources findings were supported by CHRIS records search, background research, a review of historical topographic and aerial imagery, a Sacred Land File Search, and a pedestrian survey. From the CHRIS records search of the 34 resources within 1-mile, none were recorded within the project site. One resource was located adjacent to the project site running along Airport Way. However, the resource is a transmission line and is ineligible for listing in the NRHP and CRHR as it has been deemed insignificant. In addition to this, 29 cultural resource studies were found within 1 mile of the project site. Of these, two included a portion of the project site. Neither of the studies identified any cultural resources on site. They both listed the closest cultural resources being the Rustic School, 0.80 miles south, and a historic-age farmhouse, 1 mile southeast. From the review of historical topographic maps, several livestock/farming buildings were located along Airport Way through the 1980's. The pedestrian survey conducted, confirmed no remnants of these buildings remained. Additional findings were seven concrete structures presumable related to irrigation activities. These structures, according to the FHWA Section 10 Programmatic Agreement, are not considered a significant resource. The structures were not found to have any historical significance, and therefore fall under Property Type 1, Minor, ubiquitous or fragmentary infrastructure elements and would not be significant. Overall, there were no historical cultural resources identified on the project site and therefore the project would have a less than significant impact.

b) *Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?*

Less Than Significant With Mitigation Incorporated. As indicated above there were no archaeological resources found on-site, this is substantiated through a CHRIS records search, background research, review of historical topographic and aerial imagery, a Sacred Land File Search, and a pedestrian survey. However, the absence of substantial surface prehistoric or historic-period archeological remains within the project vicinity and the existing level of disturbance does not preclude the possibility of subsurface resources. Though the circumstances would present a low possibility, the following mitigation measure (MM) would reduce impacts in the unanticipated discovery of archaeological resources during construction. With the implementation of MM CUL-1 and MM CUL-2, impacts would be less than significant.

MM CUL-1 Prior to the issuance of any grading permits for the proposed Project, the project applicant shall demonstrate that a qualified archaeologist has been retained to monitor and observe rough grading and trenching activities. If potentially significant archaeological resources are encountered during subsurface excavation activities, all construction activities within a 100-foot radius of the resource shall cease until a qualified archaeologist determines whether the resource requires further study. The City shall require that the applicant include a standard inadvertent discovery clause in every construction contract to inform contractors of this requirement. Any previously undiscovered resources found during construction shall be recorded on appropriate Department of Parks and Recreation forms and evaluated for significance in terms of California Environmental Quality Act criteria by a qualified archaeologist. Potentially significant cultural resources consist of but are not limited to stone, bone, fossils, wood, or shell artifacts or features, including hearths, structural remains, or historic dumpsites. If the resource is determined to be significant under CEQA, the City and a qualified archaeologist shall determine whether preservation in place is feasible. Such preservation in place is the preferred mitigation. If such preservation is infeasible, the qualified archaeologist shall prepare and implement a research design and archaeological data recovery plan for the resource. The archaeologist shall also conduct appropriate technical analyses, prepare a comprehensive written report and file it with the appropriate information center (California Historical Resources Information System), and provide for the permanent curation of the recovered materials.

MM CUL-2: Prior to the issuance of any grading permits for the proposed Project, a Cultural Awareness Training Program shall be provided to all construction managers and construction personnel prior to commencing any ground disturbance work at any of the project sites. The training shall be prepared and conducted by a qualified archaeologist to the satisfaction of the City Planning Department. The training may be discontinued when ground disturbance is completed. Construction personnel shall not be permitted to operate equipment within the construction area unless they have attended the training. A copy of the training materials and/or training video, as well as a list of the names of all personnel who attended the training and copies of the signed acknowledgment forms shall be submitted to the City Planning Department for their review and approval.

c) *Disturb any human remains, including those interred outside of dedicated cemeteries?*

Less Than Significant Impact. No human remains are known to be present within the project site. If human remains are found, those remains would require proper treatment in accordance with applicable laws, including Health and Safety Code (HSC) §§ 7050.5-7055 and PRC § 5097.98 and § 5097.99. HSC §§ 7050.5-7055 describe the general provisions for treatment of human remains. Specifically, HSC § 7050.5 prescribes the requirements for the treatment of any human remains that are accidentally discovered during excavation of a site. HSC § 7050.5 also requires that all activities cease immediately, and a qualified archaeologist and Native American monitor be contacted immediately. As required by state law, the procedures set forth in PRC § 5097.98 would be implemented, including evaluation by the County Coroner and notification of the NAHC. The NAHC would then designate the “Most Likely Descendent” of the unearthed human remains. If human remains are found during excavation, excavation would be halted in the vicinity of the discovery and any area that is reasonably suspected to overlay adjacent remains shall remain undisturbed until the County Coroner has investigated, and appropriate recommendations have been made for the treatment and disposition of the remains. Compliance with the established regulatory framework (i.e., HSC § 7050.5-7055 and PRC §§ 5097.98 and 5097.99) would ensure potential Project impacts concerning human remains are reduced to less than significant

Cumulative Impacts

Overall, the project would not cause a considerable impact to historical cultural resources, archaeological cultural resources, or human remains. Due to the project location and previously disturbed project site ground, and the addition of the above listed mitigation measures the proposed project would not cause a cumulatively considerable impact to occur.

5.6 ENERGY

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Potentially Significant Unless Mitigation Incorporated	Less Than Significant Impact	No Impact
ENERGY. Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			X	
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			X	

REGULATORY SETTING

State

Renewable Energy Standards

In 2002, California established its Renewable Portfolio Standard program^{12F3} with the goal of increasing the annual percentage of renewable energy in the state’s electricity mix by the equivalent of at least 1 percent of sales, with an aggregate total of 20 percent by 2017. The California Public Utilities Commission subsequently accelerated that goal to 2010 for retail sellers of electricity (Public Utilities Code Section 399.15(b)(1)). Then-Governor Schwarzenegger signed Executive Order S-14-08 in 2008, increasing the target to 33 percent renewable energy by 2020. In September 2009, then-Governor Schwarzenegger continued California’s commitment to the Renewable Portfolio Standard by signing Executive Order S-21-09, which directs the California Air Resources Board under its AB 32 authority to enact regulations to help the State meet its Renewable Portfolio Standard goal of 33 percent renewable energy by 2020. In September 2010, the California Air Resources Board adopted its Renewable Electricity Standard regulations, which require all of the State’s load-serving entities to meet this target. In October 2015, then-Governor Brown signed into legislation Senate Bill 350, which requires retail sellers and publicly owned utilities to procure 50 percent of their electricity from eligible renewable energy resources by 2030. Signed in 2018, SB 100 revised the goal of the program to achieve the 50 percent renewable resources target by December 31, 2026, and to achieve a 60 percent target by December 31, 2030. SB 100 also established a further goal to have an electric grid that is entirely powered by clean energy by 2045. Under the bill, the State cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

³ The Renewable Portfolio Standard is a flexible, market-driven policy to ensure that the public benefits of wind, solar, biomass, and geothermal energy continue to be realized as electricity markets become more competitive. The policy ensures that a minimum amount of renewable energy is included in the portfolio of electricity resources serving a state or country.

California 2007 Energy Action Plan Update

The 2007 Energy Action Plan II is the State's principal energy planning and policy document. The plan describes a coordinated implementation strategy to ensure that California's energy resources are adequate, affordable, technologically advanced, and environmentally sound. In accordance with this plan, the state and its electricity providers would invest first in energy efficiency and demand-side resources, followed by renewable resources, and only then in clean conventional electricity supply to meet its energy needs.

Building Codes

Energy conservation standards for new residential and nonresidential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the California Energy Commission) in June 1977 and are updated every three years (Title 24, Part 6, of the California Code of Regulations). Title 24 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for consideration and possible incorporation of new energy efficiency technologies and methods. On May 9, 2018, the CEC adopted the 2019 Building Energy Efficiency Standards, which took effect on January 1, 2020.

The current 2019 Standards improve upon the previous 2016 Standards. Under the 2019 Title 24 standards, residential buildings are about 7 percent more energy efficient, and when the required rooftop solar is factored in for low-rise residential construction, residential buildings that meet 2019 Title 24 standards would use about 53 percent less energy than those built to meet current standards.

California Green Building Standards Code

The California Green Building Standards Code (California Code of Regulations, Title 24, Part 11), commonly referred to as the CALGreen Code, is a statewide mandatory construction code that was developed and adopted by the California Building Standards Commission and the California Department of Housing and Community Development. CALGreen standards require new residential and commercial buildings to comply with mandatory measures under five topical areas: planning and design; energy efficiency; water efficiency and conservation; material conservation and resource efficiency; and environmental quality. CALGreen also provides voluntary measures (CALGreen Tier 1 and Tier 2) that local governments may adopt which encourage or require additional measures in the five green building topics. The most recent update to the CALGreen Code was adopted in 2019 and went into effect January 1, 2020.

2006 Appliance Efficiency Regulations

The California Energy Commission adopted Appliance Efficiency Regulations (Title 20, CCR Sections 1601 through 1608) on October 11, 2006. The regulations were approved by the California Office of Administrative Law on December 14, 2006. The regulations include standards for both Federally regulated appliances and non-Federally regulated appliances. While these regulations are now often viewed as "business-as-usual," they exceed the standards imposed by all other states and they reduce GHG emissions by reducing energy demand.

California Utility Efficiency Programs (Senate Bill 1037 and Assembly Bill 2021)

SB 1037 and AB 2021 require electric utilities to meet their resource needs first with energy efficiency. California Utility Efficiency Programs have also set new targets for statewide annual energy demand reductions.

Regional and Local*City of Manteca General Plan*

The City of Manteca General Plan includes policies applicable to all development projects in Manteca. The following policies are specific to energy use and energy efficiency and applicable to the project.

Policy AQ-P-10 Encourage energy efficient building designs

Policy AQ-1-15 Design review criteria shall include the following considerations, at a minimum:

- The developer of a sensitive air pollution receptor shall submit documentation that the project design includes appropriate buffering (e.g., setbacks, landscaping) to separate the use from highways, arterial streets, hazardous material locations and other sources of air pollution or odor.
- Promote the use of new and replacement fuel storage tanks at refueling stations that are clean fuel compatible, if technically and economically feasible.
- The use of energy efficient lighting (including controls) and process systems beyond Title 24 requirements shall be encouraged where practicable (e.g., water heating, furnaces, boiler units, etc.)
- The use of energy efficient automated controls for air conditioning beyond Title 24 requirements shall be encouraged where practicable.
- Promote solar access through building siting to maximize natural heating and cooling, and landscaping to aid passive cooling and to protect from winds.

ENVIRONMENTAL IMPACTS

a) *Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?*

Less Than Significant Impact.

Construction

The energy consumption associated with construction of the proposed project includes primarily diesel fuel consumption from on-road hauling trips and off-road construction diesel equipment, and gasoline consumption from on-road worker commute and vendor trips. Temporary electric power for as-necessary lighting and electronic equipment (such as computers inside temporary construction trailers, and heating, ventilation, and air conditioning) would be powered by a generator. The amount of electricity used during construction would be minimal; typical demand

would stem from the use of electrically powered hand tools and several construction trailers by managerial staff during the hours of construction activities. The majority of the energy used during construction would be from petroleum. This analysis relies on the construction equipment list and operational characteristics, as provided in the CalEEMod outputs for the project; see Appendix F. *Table 7: Project Energy Consumption During Construction* quantifies the construction energy consumption are provided for the project, followed by an analysis of impacts based on those quantifications.

Table 7: Project Energy Consumption During Construction

Source	Project Construction Usage	San Joaquin County Annual Energy Consumption	Percentage Increase Countywide
Electricity Use	Megawatt Hours (MWh)		
Water Consumption	44.39	5,736,910	0.0008%
Diesel Use	Gallons		
On-Road Construction Trips ¹	25,123	98,195,375.73	0.03%
Off-Road Construction Equipment ²	49,163	98,195,375.73	0.05%
Construction Diesel Total	74,286	98,195,375.73	0.08%
Gasoline	Gallons		
On-Road Construction Trips ¹	24,471	287,745,040	0.03%
1. On-road mobile source fuel use based on vehicle miles traveled (VMT) from CalEEMod and fleet-average fuel consumption in gallons per mile from EMFAC2021 in San Joaquin County for construction year 2022. 2. Off-road mobile source fuel usage based on a fuel usage rate of 0.05 gallons of diesel per horsepower (hp)-hour from USEPA. Abbreviations: CalEEMod: California Emission Estimation Model; EMFAC: Emission Factor Model 2021; Sources: Energy Calculations in Appendix F			

In total, construction of the project would consume approximately 44 megawatt hours (MWh) of electricity, 74,286 gallons of diesel and 24,471 gallons of gasoline. Water for project construction would represent 0.0008 percent of the County's water consumption. The project's fuel from the entire construction period would increase fuel use in the County by approximately 0.08 percent for diesel and 0.03 percent for gasoline.

There are no unusual project characteristics that would necessitate the use of construction equipment that would be less energy-efficient than at comparable construction sites in the region or state. In addition, some incidental energy conservation would occur during construction through compliance with State requirements that equipment not in use for more than five minutes be turned off. Project construction equipment would also be required to comply with the latest EPA and CARB engine emissions standards. These engines use highly efficient combustion engines to minimize unnecessary fuel consumption.

The CEQA Guideline Appendix G and Appendix F criteria requires the project's effects on local and regional energy supplies and on the requirements for additional capacity to be addressed. A 0.08 percent increase in construction fuel demand is not anticipated to trigger the need for additional capacity. Fuel consumption is based on a conservative construction phasing and conservative estimates for annual construction fuel consumption. Longer phases would result in lower construction intensity and a lower annual fuel consumption, resulting in lower annual demand on energy supplies. Additionally, use of construction fuel would cease once the project is fully developed. As such, project construction would have a nominal effect on the local and regional energy supplies. Therefore, it is expected that construction fuel consumption associated with the project would not be inefficient, wasteful, or unnecessary. The project would not substantially affect existing energy or fuel supplies, or resources and new capacity would not be required. Impacts would be less than significant in this regard.

Operations

The energy consumption associated with the project would include building electricity, water, and natural gas usage, as well as fuel usage from on-road vehicles. Quantification of operational energy consumption are provided for the project in *Table 8: Annual Energy Consumption During Operations*. Operation of uses implemented pursuant to the proposed project would annually consume approximately 4,162 MWh of electricity, 83,884 therms of natural gas, 652,465 gallons of diesel, and 350,525 gallons of gasoline.

Table 8: Annual Energy Consumption During Operations

Source	Project Operational Usage	San Joaquin County Annual Energy Consumption	Percentage Increase Countywide
Electricity Use	Megawatt Hour/Year (MWh/year)		
Area ¹	4,087	5,736,910	0.071%
Water ¹	75		0.001%
Total Electricity	4,162		0.072%
Natural Gas Use	Therms/year		
Area ¹	83,884	183,949,868	0.046%
Diesel Use	Gallons/Year		
Mobile ²	652,465	98,291,520	0.663%
Gasoline Use	Gallons/Year		
Mobile ²	350,525	284,968,748	0.123%
Notes:			
1. The electricity and natural gas usage are based on project-specific estimates and CalEEMod defaults.			
2. Calculated based on the mobile source fuel use based on vehicle miles traveled (VMT) and fleet-average fuel consumption (in gallons per mile) from EMFAC2021 for operational year 2023.			
Abbreviations: CalEEMod: California Emission Estimation Model; EMFAC2021: California Air Resources Board Emission Factor Model; MWh: Megawatt-hour			
Source: Energy Calculations in Appendix F			

Pacific Gas and Electric (PG&E) provides electricity to the project area. Electricity is currently used by the existing building on the project site. However, for a more conservative approach the project energy analysis does not take credit for baseline use. The project site is expected to continue to be served by the existing PG&E electrical facilities. Total electricity demand in PG&E's service area is forecast to increase by approximately 12,000 GWh—or 12 billion kWh—between 2016 and 2028.⁴ The project's anticipated electricity demand (approximately 4,162 MWh) would be nominal compared to overall demand in PG&E's service area.⁵ Therefore, the projected electrical demand would not significantly impact PG&E's level of service.

Regarding natural gas, San Joaquin County consumed 183,949,868 therms of natural gas in 2020. Therefore, the project's operational energy consumption of natural gas (83,884 therms/year) would represent 0.05 percent of the natural gas consumption in the County.

In 2023, Californians are anticipated to use approximately 14,997,128,554 gallons of gasoline and approximately 3,709,759,962 gallons of diesel fuel. San Joaquin County annual gasoline fuel use in 2023 is anticipated to be 593,638,414 gallons and diesel fuel is anticipated to be 103,305,684 gallons. Expected project operational use of gasoline and diesel would represent 0.002 percent of current gasoline use and 0.018 percent of current diesel use in the state. Project operational use of gasoline and diesel would represent 0.12 percent of gasoline use and 0.66 percent of diesel use in the County.

The project would be consistent with the 2019 Building Efficiency Standards, which took effect on January 1, 2020, and/or future Building Energy Efficiency Standards depending on when construction permits are issued. Prior to issuance of a building permit, the City of Manteca would review and verify that the project plans demonstrate compliance with the current version of the Building and Energy Efficiency Standards. Title 24 standards require energy conservation features in new construction (e.g., high-efficiency lighting, high-efficiency heating, ventilating, and air-conditioning (HVAC) systems, thermal insulation, double-glazed windows, water conserving plumbing fixtures).

Additionally, the project would also be required adhere to the provisions of CALGreen, which establishes planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The insulation and design code requirements would minimize wasteful energy consumption.

None of the project energy uses exceed one percent of San Joaquin County use. Therefore, it is expected that operational fuel and energy consumption associated with the project would not be inefficient, wasteful, or unnecessary. Impacts would be less than significant in this regard.

⁴ California Energy Commission, California Energy Demand 2018-2030 Revised Forecast, Figure 49 Historical and Projected Baseline Consumption PG&E Planning Area, April 2018.

⁵ The energy analysis does not take credit for baseline use for a more conservative approach.

b) *Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?*

Less Than Significant Impact. The project would be required to comply with existing regulations, including applicable measures from the City's General Plan, or would be directly affected by the outcomes (vehicle trips and energy consumption would be less carbon intensive due to statewide compliance with future low carbon fuel standard amendments and increasingly stringent Renewable Portfolio Standards). As such, the project would not conflict with any other state-level regulations pertaining to energy. The project would comply with existing State energy standards and would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

Cumulative Impacts

As discussed above, it is expected that construction fuel consumption associated with the project would not be inefficient, wasteful, or unnecessary. The project would not substantially affect existing energy or fuel supplies, or resources and new capacity would not be required. Additionally, the project would also be required adhere to the provisions of CALGreen, which establishes planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants. The insulation and design code requirements would minimize wasteful energy consumption. As discussed above, none of the project energy uses exceed one percent of San Joaquin County use and it is expected that operational fuel and energy consumption associated with the project would not be inefficient, wasteful, or unnecessary. Therefore, the project's cumulative contribution of energy use would be less than significant, and the project's cumulative energy impacts would also be less than cumulatively considerable.

5.7 GEOLOGY AND SOILS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
7. GEOLOGY AND SOILS. Would the project:				
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.			X	
ii) Strong seismic ground shaking?		X		
iii) Seismic-related ground failure, including liquefaction?		X		
iv) Landslides?			X	
b) Result in substantial soil erosion or the loss of topsoil?		X		
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?		X		
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?		X		
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?			X	
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?		X		

- 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.*

Less Than Significant Impact. The closest known fault to the project site is the Vernalis Fault located approximately 6 miles southeast. There are no earthquake fault zone boundaries or County designated fault zones identified at the Project site or within the city of Manteca. The Seismic Hazards Mapping Act, passed in 1990, requires mapping of seismic hazard zones and sets requirements for projects located within such zones. The project site is not within a seismic hazard zone map prepared under the Seismic Hazards Mapping Act (California Geological Survey 2021). Based on this information, the project would have no impact related to fault rupture hazards. This is consistent with the conclusions of the North Crossroads IS/MND, which did not identify significant impacts on this issue. Overall, impacts associated with the rupture of a known earthquake fault would be less than significant.

- ii) *Strong seismic ground shaking?*

Less Than Significant With Mitigation Incorporated. The Project site, located in the Central Valley has a low shaking potential (DOC, 2016b). Design and construction would still comply with the latest 2019 California Building Code (CBC), City regulations, and other applicable state standards which would minimize the potential of strong seismic ground shaking impacts. The CBC provides procedures for earthquake-resistant structural design based on the buildings risk or seismic design category that include considerations for on-site soil conditions, occupancy, and the configuration of the structure including the structural system and height. Compliance with the CBC and the below outlined mitigation measure would ensure seismic ground shaking impacts would be at a less than significant level. Mitigation Measure MM GEO-1 would require the project applicant to submit design level geotechnical study to the City of Manteca for review. Therefore, with the Project conforming to the latest CBC Building Codes and MM GEO-1, impacts due to strong seismic ground shaking would be less than significant.

MM GEO-1: Prior to issuance of building permits, the project applicant shall submit a design-level geotechnical study and building plans to the City of Manteca for review and approval. The building plans shall demonstrate that they incorporate all applicable recommendations of the design-level geotechnical study and comply with all applicable requirements of the most recent version of the California Building Standards Code. A licensed professional engineer shall prepare the plans, including those that pertain to soil engineering, structural foundations, pipeline excavation, and installation. The approved plans shall be incorporated into the proposed project. All onsite soil engineering activities shall be conducted under the supervision of a licensed Geotechnical Engineer or Certified Engineering Geologist.

iii) Seismic-related ground failure, including liquefaction?

Less Than Significant with Mitigation Incorporated. Seismically induced liquefaction occurs when loose, water-saturated sediments of relatively low density are subjected to cyclic shaking that causes soils to lose strength or stiffness because of increased pore water pressure. The project does not fall within any liquefaction zones identified in the Seismic Hazards Map by the California Geological Survey (DOC, 2017). Additionally, the project does not fall within or near an Alquist-Priolo Fault Hazard Zone, Landslide Zone, or Liquefaction Zone as designated on the Department of Conservations (DOC) map viewer (DOC, 2022). As the project site is not designated within one of the above zones and all structures included in the project would be required by State law to be constructed in accordance with all applicable IBC and CBC earthquake construction standards, including those relating to soil characteristics, and adherence to MM GEO-1. The potential for substantial adverse effects to the project due to seismic-related ground failure, including liquefaction would therefore be less than significant.

iv) Landslides?

Less Than Significant Impact. The project site is located in a generally flat area and does not contain any steep slopes that could result in landslides on or in the vicinity of the project site. Also identified in the Seismic hazards Map by the California Geological Survey, there are no landslide zone boundaries that fall within the project site (DOC, 2017). The project would also conform with all applicable General Plan policies and additional federal, state, and local regulations. Therefore, impacts associated with landslides would be less than significant.

b) Result in substantial soil erosion or the loss of topsoil?

Less Than Significant With Mitigation Incorporated. According to the project site plans prepared for the proposed project, development of the proposed project would result in the creation of new impervious surface areas throughout the project site. The development of the project site would also cause ground disturbance of topsoil. The ground disturbance would be limited to the areas proposed for grading and excavation, including the proposed internal roadways and drain infrastructure improvements. After grading and excavation, and prior to overlaying the disturbed ground surfaces with impervious surfaces and structures, the potential exists for wind and water erosion to occur, which could adversely affect downstream storm drainage facilities.

Without implementation of appropriate Best Management Practices (BMPs) related to prevention of soil erosion during construction, development of the project would result in a potentially significant impact with respect to soil erosion. Mitigation Measure HYD-1 requires the project applicant to prepare and submit a Stormwater Pollution Prevention Plan identifying specific actions and BMPs to prevent stormwater pollution during construction activities. The SWPPP shall include, among other things, temporary erosion control measures to be employed for disturbed areas. Implementation of the following mitigation measure, therefore, would ensure the impact is less than significant.

- 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?*

Less Than Significant With Mitigation Incorporated. The project site and surround areas are generally flat, which is not anticipated to result in significant landslides. As previously mentioned, there are no active faults, Seismic Hazard Program Liquefaction Zones, or Alquist-Priolo Fault Hazard Zones on the project site. Therefore, the potential for lateral spreading, subsidence, liquefaction, or collapse is unlikely. Subsidence is one factor that can cause unstable soil. To further prevent the above adverse effects all project components would be constructed in accordance with applicable City goals and policies, as well as Codes established by the CBC. All construction plans and related geotechnical plans and studies would be reviewed by the Town further ensuring compliance with all building construction standards. Compliance with all construction standards would reduce the potential for an off-site landslide, lateral spreading, subsidence, liquefaction or collapse and reduce the impacts to a less than significant level. In addition, the project applicant would be required to submit a geotechnical investigation report to the Town as part of MM GEO-1. As a result, with implementation of MM GEO-1 and the SWPPP, impacts associated would be less than significant.

- d) *Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?*

Less Than Significant With Mitigation Incorporated. Expansive soils are those that undergo volume changes as moisture content fluctuates; swelling substantially when wet or shrinking when dry. Soil expansion can damage structures by cracking foundations, causing settlement and distorting structural elements. Expansion is a typical characteristic of clay-type soils. Expansive soils shrink and swell in volume during changes in moisture content, such as a result of seasonal rain events, and can cause damage to foundations, concrete slabs, roadway improvements, and pavement sections. Soil expansion is dependent on many factors. The more clayey, critically expansive surface soil and fill materials would be subjected to volume changes during seasonal fluctuations in moisture content. There are no expansive (i.e., shrink-swell) soils within the project site. According to the USDA Web Soil survey, the project site contains 79.5% veritas fine sandy loam in the southeast portion of the site, and 20.5% bisgani loamy coarse sand in the northwest portion (USDA, 2021). Given the soils identified on site, adherence to applicable Federal, State, and Local rules and regulations, and compliance with MM GEO-1 impacts would be less than significant.

- e) *Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?*

Less Than Significant Impact. The Project site would tie into existing 8-inch lateral sewer line within the public right of way. Therefore, the project would not involve a septic system and there would be a less than significant impact from incompatible soils.

f) *Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?*

Less Than Significant With Mitigation Incorporated. There are no known paleontological resources located in project area. However, development of the proposed project could result in the discovery and disturbance of previously unknown or undiscovered paleontological resources. While fossils are not expected to be discovered during construction, it is possible that significant fossils could be discovered during excavation activities, even in areas with a low likelihood of occurrence. Fossils encountered during excavation could be inadvertently damaged. If a unique paleontological resource is discovered, the impact to the resource could be substantial. MM GEO-3 would require that a qualified paleontologist monitor grading and excavation activities, and a paleontologist be notified if paleontological resources are found. If any scientifically important large fossil remains are uncovered, the paleontologist would have the authority to divert heavy equipment away from the fossil site. With implementation of MM GEO-3 and consistency with City ordinances, policies and goals, impacts associated with paleontological resources would be less than significant.

MM GEO-3: Paleontological Monitor. Prior to issuance of improvement plans, the City shall ensure that a qualified paleontologist shall be retained to prepare a Paleontological Resources Monitoring and Mitigation Plan (PRMMP). This plan will address specifics of monitoring and mitigation and comply with the recommendations of the Society of Vertebrate Paleontology's 2010 Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources. All ground disturbances in the project area that occur in previously undisturbed sediment with high paleontological sensitivity will require monitoring. The Project Paleontologist may periodically inspect construction activities to adjust the level of monitoring in response to subsurface conditions. In the event that any potentially significant paleontological resources are discovered, the paleontological monitor shall stop work inside a zone designated by him/her where additional paleontological resources could be found. A plan for the evaluation of the resource shall be submitted to the Community Development Director for approval.

Cumulative Impacts

Geology and soil-related impacts are generally site-specific and are determined by a particular site's soil characteristics, topography, and proposed land uses. Cumulative effects related to geology resulting from the implementation of proposed improvements of the site and surrounding areas could expose more persons and property to potential impacts due to seismic activity. Long-term impacts related to geology include the exposure of people to the potential for seismically induced ground shaking. Implementation of other cumulative projects would incrementally increase the number of people and structures subject to a seismic event. Seismic and geologic significance would be considered on a project-by-project basis through the preparation of a design-level geotechnical study and such exposures would be minimized through strict engineering guidelines as they pertain to protection against known geologic hazards and potential geologic and soil related impacts. The proposed project would not contribute to any cumulatively considerable geologic and/or soils impacts. Therefore, cumulative effects of increased seismic risk would be less than significant.

5.8 GREENHOUSE GAS EMISSIONS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
GREENHOUSE GAS EMISSIONS. Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			X	

REGULATORY SETTING

Federal

To date, national standards have not been established for nationwide GHG reduction targets, nor have any regulations or legislation been enacted specifically to address climate change and GHG emissions reduction at the project level. Various efforts have been promulgated at the federal level to improve fuel economy and energy efficiency to address climate change and its associated effects.

Energy Independence and Security Act of 2007. The Energy Independence and Security Act of 2007 (December 2007), among other key measures, requires the following, which would aid in the reduction of national GHG emissions:

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

U.S. Environmental Protection Agency Endangerment Finding. The U.S. Environmental Protection Agency’s (EPA) authority to regulate GHG emissions stems from the U.S. Supreme Court decision in *Massachusetts v. EPA* (2007). The Supreme Court ruled that GHGs meet the definition of air pollutants under the existing Federal Clean Air Act (FCAA) and must be regulated if these gases could be reasonably anticipated to endanger public health or welfare. Responding to the Court’s ruling, the EPA finalized an

endangerment finding in December 2009. Based on scientific evidence, it found that six GHGs (CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆) constitute a threat to public health and welfare. Thus, it is the Supreme Court's interpretation of the existing FCAA and the EPA's assessment of the scientific evidence that form the basis for the EPA's regulatory actions.

Federal Vehicle Standards. In response to the U.S. Supreme Court ruling discussed above, Executive Order 13432 was issued in 2007 directing the EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

In 2010, an Executive Memorandum was issued directing the Department of Transportation, Department of Energy, EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO₂ in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021, and NHTSA intends to set standards for model years 2022–2025 in a future rulemaking. On January 12, 2017, the EPA finalized its decision to maintain the current GHG emissions standards for model years 2022–2025 cars and light trucks. It should be noted that the EPA is currently proposing to freeze the vehicle fuel efficiency standards at their planned 2020 level (37 mpg), canceling any future strengthening (currently 54.5 mpg by 2026).

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO₂ emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baseline.

In August 2016, the EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards are expected to lower CO₂ emissions by approximately 1.1 billion metric tons and reduce oil consumption by up to 2 billion barrels over the lifetime of the vehicles sold under the program.

In 2018, the EPA stated their intent to halt various Federal regulatory activities to reduce GHG emissions, including the phase two program. California and other states have stated their intent to challenge federal actions that would delay or eliminate GHG reduction measures and have committed to cooperating with other countries to implement global climate change initiatives. On September 27, 2019, the EPA and the NHTSA published the "Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program." (84 Fed. Reg. 51,310 (Sept. 27, 2019.)) The Part One Rule revokes California's authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, the EPA and NHTSA finalized rulemaking for SAFE Part Two sets CO₂

emissions standards and corporate average fuel economy (CAFE) standards for passenger vehicles and light duty trucks, covering model years 2021-2026.

State

California Air Resources Board

The California Air Resources Board (CARB) is responsible for the coordination and oversight of State and local air pollution control programs in California. Various statewide and local initiatives to reduce California's contribution to GHG emissions have raised awareness about climate change and its potential for severe long-term adverse environmental, social, and economic effects. California is a significant emitter of CO₂e in the world and produced 440 million gross metric tons of CO₂e in 2015. In the state, the transportation sector is the largest emitter of GHGs, followed by industrial operations such as manufacturing and oil and gas extraction.

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation, such as the landmark AB 32 California Global Warming Solutions Act of 2006, was specifically enacted to address GHG emissions. Other legislation, such as Title 24 building efficiency standards and Title 20 appliance energy standards, were originally adopted for other purposes such as energy and water conservation, but also provide GHG reductions. This section describes the major legislation related to GHG emissions reduction.

Assembly Bill 32 (California Global Warming Solutions Act of 2006). AB 32 instructs the CARB to develop and enforce regulations for the reporting and verification of statewide GHG emissions. AB 32 also directed CARB to set a GHG emissions limit based on 1990 levels, to be achieved by 2020. It set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner.

CARB Scoping Plan. CARB adopted the Scoping Plan to achieve the goals of AB 32. The Scoping Plan establishes an overall framework for the measures that would be adopted to reduce California's GHG emissions. CARB determined that achieving the 1990 emissions level would require a reduction of GHG emissions of approximately 29 percent below what would otherwise occur in 2020 in the absence of new laws and regulations (referred to as "business-as-usual"). The Scoping Plan evaluates opportunities for sector-specific reductions, integrates early actions and additional GHG reduction measures by both CARB and the state's Climate Action Team, identifies additional measures to be pursued as regulations, and outlines the adopted role of a cap-and-trade program. Additional development of these measures and adoption of the appropriate regulations occurred through the end of 2013. Key elements of the Scoping Plan include:

- Expanding and strengthening existing energy efficiency programs, as well as building and appliance standards.
- Achieving a statewide renewables energy mix of 33 percent by 2020.
- Developing a California cap-and-trade program that links with other programs to create a regional market system and caps sources contributing 85 percent of California's GHG emissions (adopted in 2011).

- Establishing targets for transportation-related GHG emissions for regions throughout California and pursuing policies and incentives to achieve those targets (several sustainable community strategies have been adopted).
- Adopting and implementing measures pursuant to existing state laws and policies, including California's clean car standards, heavy-duty truck measures, the Low Carbon Fuel Standard (amendments to the Pavley Standard adopted 2009; Advanced Clean Car standard adopted 2012), goods movement measures, and the Low Carbon Fuel Standard (adopted 2009).
- Creating targeted fees, including a public goods charge on water use, fees on gasses with high global warming potential, and a fee to fund the administrative costs of California's long-term commitment to AB 32 implementation.

In 2012, CARB released revised estimates of the expected 2020 emissions reductions. The revised analysis relied on emissions projections updated considering current economic forecasts that accounted for the economic downturn since 2008, reduction measures already approved and put in place relating to future fuel and energy demand, and other factors. This update reduced the projected 2020 emissions from 596 million metric tons of CO₂e (MMTCO₂e) to 545 MMTCO₂e. The reduction in forecasted 2020 emissions means that the revised business-as-usual reduction necessary to achieve AB 32's goal of reaching 1990 levels by 2020 is now 21.7 percent, down from 29 percent. CARB also provided a lower 2020 inventory forecast that incorporated state-led GHG emissions reduction measures already in place. When this lower forecast is considered, the necessary reduction from business-as-usual needed to achieve the goals of AB 32 is approximately 16 percent.

CARB adopted the first major update to the Scoping Plan on May 22, 2014. The updated Scoping Plan summarizes the most recent science related to climate change, including anticipated impacts to California and the levels of GHG emissions reductions necessary to likely avoid risking irreparable damage. It identifies the actions California has already taken to reduce GHG emissions and focuses on areas where further reductions could be achieved to help meet the 2020 target established by AB 32. By 2016, California had reduced GHG emissions below 1990 levels, achieving AB 32's 2020 goal four years ahead of schedule.

In January 2017, CARB released the 2017 Climate Change Scoping Plan Update (Second Update) for public review and comment (CARB, 2017). The Second Update sets forth CARB's strategy for achieving the state's 2030 GHG target as established in Senate Bill (SB) 32 (discussed below). The Second Update was approved by CARB's Governing Board on December 14, 2017.

Senate Bill 32 (California Global Warming Solutions Act of 2006: Emissions Limit. Signed into law in September 2016, SB 32 codifies the 2030 GHG reduction target in Executive Order B-30-15 (40 percent below 1990 levels by 2030). The bill authorizes CARB to adopt an interim GHG emissions level target to be achieved by 2030. CARB also must adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective GHG reductions.

With SB 32, the Legislature passed companion legislation, AB 197, which provides additional direction for developing the Scoping Plan. On December 14, 2017, CARB adopted a second update to the Scoping Plan (CARB, 2017b). The 2017 Scoping Plan details how the State will reduce GHG emissions to meet the 2030 target set by Executive Order B-30-15 and codified by SB 32. Other objectives listed in the 2017

Scoping Plan are to provide direct GHG emissions reductions; support climate investment in disadvantaged communities; and support the Clean Power Plan and other Federal actions.

SB 375 (The Sustainable Communities and Climate Protection Act of 2008). Signed into law on September 30, 2008, SB 375 provides a process to coordinate land use planning, regional transportation plans, and funding priorities to help California meet the GHG reduction goals established by AB 32. SB 375 requires metropolitan planning organizations to include sustainable community strategies in their regional transportation plans for reducing GHG emissions, aligns planning for transportation and housing, and creates specified incentives for the implementation of the strategies. The applicable sustainable community strategy in the Bay Area is Plan Bay Area 2040.

AB 1493 (Pavley Regulations and Fuel Efficiency Standards). AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Implementation of the regulation was delayed by lawsuits filed by automakers and by the EPA's denial of an implementation waiver. The EPA subsequently granted the requested waiver in 2009, which was upheld by the U.S. District Court for the District of Columbia in 2011. The regulations establish one set of emission standards for model years 2009–2016 and a second set of emissions standards for model years 2017 to 2025. By 2025, when all rules will be fully implemented, new automobiles will emit 34 percent fewer CO₂e emissions and 75 percent fewer smog-forming emissions.

SB 1368 (Emission Performance Standards). SB 1368 is the companion bill of AB 32, which directs the California Public Utilities Commission (CPUC) to adopt a performance standard for GHG emissions for the future power purchases of California utilities. SB 1368 limits carbon emissions associated with electrical energy consumed in California by forbidding procurement arrangements for energy longer than 5 years from resources that exceed the emissions of a relatively clean, combined cycle natural gas power plant. The new law effectively prevents California's utilities from investing in, otherwise financially supporting, or purchasing power from new coal plants located in or out of the state. The CPUC adopted the regulations required by SB 1368 on August 29, 2007. The regulations implementing SB 1368 establish a standard for baseload generation owned by, or under long-term contract to publicly owned utilities, for 1,100 pounds of CO₂ per megawatt-hour.

SB 1078 and SBX1-2 (Renewable Electricity Standards). SB 1078 required California to generate 20 percent of its electricity from renewable energy by 2017. This goal was accelerated with SB 107, which changed the due date to 2010 instead of 2017. On November 17, 2008, Executive Order S-14-08 established a Renewable Portfolio Standard target for California requiring that all retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. Executive Order S-21-09 also directed CARB to adopt a regulation by July 31, 2010, requiring the state's load serving entities to meet a 33 percent renewable energy target by 2020. CARB approved the Renewable Electricity Standard on September 23, 2010 by Resolution 10-23. SB X1-2 codified the 33 percent by 2020 goal.

SB 350 (Clean Energy and Pollution Reduction Act of 2015). Signed into law on October 7, 2015, SB 350 implements the goals of Executive Order B-30-15. The objectives of SB 350 are to increase the procurement of electricity from renewable sources from 33 percent to 50 percent (with interim targets of 40 percent by 2024, and 45 percent by 2027) and to double the energy efficiency savings in electricity and natural gas end uses of retail customers through energy efficiency and conservation. SB 350 also reorganizes the Independent System Operator to develop more regional electricity transmission markets

and improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States.

AB 398 (Market-Based Compliance Mechanisms). Signed on July 25, 2017, AB 398 extended the duration of the Cap-and-Trade program from 2020 to 2030. AB 398 required CARB to update the Scoping Plan and for all GHG rules and regulations adopted by the State. It also designated CARB as the statewide regulatory body responsible for ensuring that California meets its statewide carbon pollution reduction targets, while retaining local air districts' responsibility and authority to curb toxic air contaminants and criteria pollutants from local sources that severely impact public health. AB 398 also decreased free carbon allowances over 40 percent by 2030 and prioritized Cap-and-Trade spending to various programs including reducing diesel emissions in impacted communities.

SB 150 (Regional Transportation Plans). Signed on October 10, 2017, SB 150 aligns local and regional GHG reduction targets with State targets (i.e., 40 percent below their 1990 levels by 2030). SB 150 creates a process to include communities in discussions on how to monitor their regions' progress on meeting these goals. The bill also requires the CARB to regularly report on that progress, as well as on the successes and the challenges regions experience associated with achieving their targets. SB 150 provides for accounting of climate change efforts and GHG reductions and identify effective reduction strategies.

SB 100 (California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases). Signed into Law in September 2018, SB 100 increased California's renewable electricity portfolio from 50 to 60 percent by 2030. SB 100 also established a further goal to have an electric grid that is entirely powered by clean energy by 2045.

Executive Orders Related to GHG Emissions

California's Executive Branch has taken several actions to reduce GHGs using executive orders. Although not regulatory, they set the state's tone and guide the actions of state agencies.

Executive Order S-3-05. Executive Order S-3-05 was issued on June 1, 2005, which established the following GHG emissions reduction targets:

- By 2010, reduce greenhouse gas emissions to 2000 levels.
- By 2020, reduce greenhouse gas emissions to 1990 levels.
- By 2050, reduce greenhouse gas emissions to 80 percent below 1990 levels.

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that will stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

Executive Order S-01-07. Issued on January 18, 2007, Executive Order S-01-07 mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020. The executive order established a Low Carbon Fuel Standard (LCFS) and directed the Secretary for Environmental Protection to coordinate the actions of the California Energy Commission, CARB, the University of California, and other agencies to develop and propose protocols for

measuring the “life-cycle carbon intensity” of transportation fuels. CARB adopted the LCFS on April 23, 2009

Executive Order S-13-08. Issued on November 14, 2008, Executive Order S-13-08 facilitated the California Natural Resources Agency development of the 2009 California Climate Adaptation Strategy. Objectives include analyzing risks of climate change in California, identifying and exploring strategies to adapt to climate change, and specifying a direction for future research.

Executive Order S-14-08. Issued on November 17, 2008, Executive Order S-14-08 expands the state’s Renewable Energy Standard to 33 percent renewable power by 2020. Additionally, Executive Order S- 21- 09 (signed on September 15, 2009) directs CARB to adopt regulations requiring 33 percent of electricity sold in the state come from renewable energy by 2020. CARB adopted the Renewable Electricity Standard on September 23, 2010, which requires 33 percent renewable energy by 2020 for most publicly owned electricity retailers.

Executive Order S-21-09. Issued on July 17, 2009, Executive Order S-21-09 directs CARB to adopt regulations to increase California’s Renewable Portfolio Standard (RPS) to 33 percent by 2020. This builds upon SB 1078 (2002), which established the California RPS program, requiring 20 percent renewable energy by 2017, and SB 107 (2006), which advanced the 20 percent deadline to 2010, a goal which was expanded to 33 percent by 2020 in the 2005 Energy Action Plan II.

Executive Order B-30-15. Issued on April 29, 2015, Executive Order B-30-15 established a California GHG reduction target of 40 percent below 1990 levels by 2030 and directs CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of CO₂e (MMTCO₂e). The 2030 target acts as an interim goal on the way to achieving reductions of 80 percent below 1990 levels by 2050, a goal set by Executive Order S-3-05. The executive order also requires the state’s climate adaptation plan to be updated every three years and for the state to continue its climate change research program, among other provisions. With the enactment of SB 32 in 2016, the Legislature codified the goal of reducing GHG emissions by 2030 to 40 percent below 1990 levels.

Executive Order B-55-18. Issued on September 10, 2018, Executive Order B-55-18 establishes a goal to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. This goal is in addition to the existing statewide targets of reducing GHG emissions. The executive order requires CARB to work with relevant state agencies to develop a framework for implementing this goal. It also requires CARB to update the Scoping Plan to identify and recommend measures to achieve carbon neutrality. The executive order also requires state agencies to develop sequestration targets in the Natural and Working Lands Climate Change Implementation Plan.

California Regulations and Building Codes

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California’s energy consumption relatively flat, even with rapid population growth.

Title 20 Appliance Efficiency Regulations. The appliance efficiency regulations (California Code of Regulations [CCR] Title 20, Sections 1601-1608) include standards for new appliances. Twenty-three categories of appliances are included in the scope of these regulations. These standards include

minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy-and water-efficient appliances.

Title 24 Building Energy Efficiency Standards. California’s Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR Title 24, Part 6) was first adopted in 1978 in response to a legislative mandate to reduce California’s energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The 2016 Building Energy Efficiency Standards approved on January 19, 2016 went into effect on January 1, 2017. The 2019 Building Energy Efficiency Standards were adopted on May 9, 2018 and took effect on January 1, 2020. Under the 2019 standards, residential dwellings are required to use approximately 53 percent less energy and nonresidential buildings are required to use approximately 30 percent less energy than buildings under the 2016 standards.

Title 24 California Green Building Standards Code. The California Green Building Standards Code (CCR Title 24, Part 11 code) commonly referred to as CALGreen, is a statewide mandatory construction code developed and adopted by the California Building Standards Commission and the Department of Housing and Community Development. The CALGreen standards require new residential and nonresidential buildings to comply with mandatory measures under the topics of planning and design, energy efficiency, water efficiency/conservation, material conservation and resource efficiency, and environmental quality. CALGreen also provides voluntary tiers and measures that local governments may adopt that encourage or require additional measures in the five green building topics. The latest CALGreen Code took effect on January 1, 2020 (2019 CALGreen). The 2019 CALGreen standards will continue to improve upon the existing standards for new construction of, and additions and alterations to, residential and nonresidential buildings. The new 2019 CALGreen standards require residential buildings are required to be solar ready through solar panels (refer to Section 110.10 in the 2019 Building Energy Efficiency Standards for more details).

Regional

San Joaquin Valley Air Basin Air Quality Management District Thresholds

The proposed Project lies within the northern portion of the San Joaquin Valley Air Basin (SJVAB). The San Joaquin Valley Air Pollution Control District (SJVAPCD) has jurisdiction over most air quality matters in the SJVAB and is tasked with implementing programs and regulations required by the federal and State Clean Air Acts. According to the SJVAPCD, impacts are less than significant if a project complies with adopted statewide, regional, or local plan for reduction or mitigation of GHG emissions.

Under CEQA, the SJVAPCD is a commenting responsible agency on air quality within its jurisdiction or impacting its jurisdiction. The SJVAPCD reviews projects to ensure that they would: (1) support the primary goals of the latest Air Quality Plan; (2) include applicable control measures from the Air Quality Plan; and (3) not disrupt or hinder implementation of any Air Quality Plan control measures.

Local

City of Manteca Climate Action Plan

The City of Manteca Climate Action Plan (CAP), approved in 2013, focuses on City operations, facilities and employee actions that will reduce not only GHG emissions but also energy and water consumption, solid waste and fuel consumption. The GHG emission reduction goals require a change from “business as usual” to attain them. The CAP outlines the goal of reducing per capita emissions from 6.9 per person in 2005 to 6.3 in 2035. CAP is being issued in the context of legislative and regulatory action at the federal and state level. California’s climate change goals are set forth in AB 32, the Global Warming Solutions Act of 2006. This legislation requires a reduction of California GHG emissions to 1990 levels by 2020. In December 2008, CARB approved the Climate Change Scoping Plan Document required by AB 32. The Scoping Plan Document, which provides a roadmap for California to reduce its GHG emissions, recognizes the importance of development and implementation of Climate Action Plans by California cities and counties. Executive Order S-03-05 goes even further by requiring statewide reductions in GHG emissions to 80 percent below 1990 by the year 2050.

City of Manteca Municipal Code

The City’s Municipal Code includes the following regulations that would reduce GHG emissions from future development:

- Green Code (Chapter 15.22)
- Building Conservation Code (Chapter 15.18)
- Energy Code (Chapter 11.105)

City of Manteca General Plan

The General Plan includes GHG reduction strategies to help the City sustain its natural resources, grow efficiently, and meet California legal requirements for GHG emissions reduction. Multiple policies and actions in the General Plan have GHG implications including those targeting land use, housing, transportation, water usage, solid waste generation and recycling, and reuse of historic buildings. The policies also include a monitoring component that allows for adaptation and adjustment of City programs and initiatives related to sustainability and associated reductions in GHG emissions. The GHG Reduction Strategy is intended to meet the mandates as outlined in the CEQA Guidelines and the recent standards for “qualified plans” as set forth by SJVAPCD.

The General Plan includes the following GHG reduction policies, which are applicable to the project.

- AQ-P-1:** Cooperate with other agencies to develop a consistent and coordinated approach to reduction of air pollution and management of hazardous air pollutants.
- AQ-P-10:** Encourage energy efficient building designs.
- AQ-I-15:** Design review criteria shall include the following considerations, at a minimum:
- The developer of a sensitive air pollution receptor shall submit documentation that the project design includes appropriate buffering (e.g., setbacks, landscaping) to separate the use from highways, arterial streets, hazardous material locations and other sources of air pollution or odor.

- Promote the use of new and replacement fuel storage tanks at refueling stations that are clean fuel compatible, if technically and economically feasible.
 - The use of energy efficient lighting (including controls) and process systems beyond Title 24 requirements shall be encouraged where practicable (e.g., water heating, furnaces, boiler units, etc.)
 - The use of energy efficient automated controls for air conditioning beyond Title 24 requirements shall be encouraged where practicable.
 - Promote solar access through building siting to maximize natural heating and cooling, and landscaping to aid passive cooling and to protect from winds.
- AQ-P-11:** Prepare and maintain a Climate Action Plan and community greenhouse gas emission inventory for sectors with the potential for control or influence by the City that demonstrates consistency with State of California targets.
- AQ-P-12:** Development projects shall incorporate the applicable strategies of the City of Manteca Climate Action Plan as needed to demonstrate consistency with CAP reduction targets and AB 32.
- AQ-I-16:** Track and monitor aspects of development related to CAP strategies on an ongoing basis to measure progress in achieving CAP reduction targets.
- AQ-I-17:** Track implementation of municipal and community projects and programs related to energy efficiency, transit service improvements, transportation facilities such as bicycle paths and lanes, pedestrian infrastructure, and other projects that reduce greenhouse gas emissions throughout the community. AQ-I-18. Update CAP emission inventories, targets, and strategies to reflect new State of California greenhouse gas reduction targets when adopted for later years and to reflect the benefits of any new State and federal regulatory actions that reduce greenhouse gas emissions to demonstrate continued consistency with State targets.
- CD-P-33:** Passive solar design features are encouraged whenever possible. Design of buildings should consider energy-efficient concepts such as natural heating and/or cooling, sun and wind exposure and orientation, and other solar energy opportunities.
- RC-P-6:** Comply with construction and design standards that promote energy conservation.

THRESHOLDS

According to the SJVAPCD, impacts are less than significant if a project complies with adopted statewide, regional, or local plan for reduction or mitigation of GHG emissions. The vast majority of individual projects do not generate sufficient GHG emissions to create a project-specific impact through a direct influence on climate change; therefore, the issue of climate change typically involves an analysis of whether a project's contribution towards an impact is cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, other current projects, and probable future projects (CEQA Guidelines, Section 15355).

The SJVAPCD's has evaluated different approaches for estimating impacts and summarizing potential GHG emission reduction measures. The SJVAPCD staff has concluded that "existing science is inadequate to support quantification of impacts that project specific GHG emissions have on global climatic change." This is readily understood when one considers that global climatic change is the result of the sum total of GHG emissions, both man-made and natural that occurred in the past; that is occurring now; and will occur in the future. The effects of project specific GHG emissions are cumulative, and unless reduced or mitigated, their incremental contribution to global climatic change could be considered significant.

The *Final Draft Guidance for Assessing and Mitigating Air Quality Impacts* (SJVAPCD, 2015) provides an approach to assessing a Project's impacts on greenhouse gas emissions by evaluating the Project's emissions to the "reduction targets" established in ARB's AB 32 Scoping Plan. For instance, the SJVAPCD's guidance recommends that projects should demonstrate that "*project specific GHG emissions would be reduced or mitigated by at least 29%, compared to Business as Usual (BAU), including GHG emission reductions achieved since the 2002-2004 baseline period, consistent with GHG emission reduction targets established in ARB's AB 32 Scoping Plan. Projects achieving at least a 29% GHG emission reduction compared to BAU would be determined to have a less than significant individual and cumulative impact for GHG.*"

Subsequent to the SJVAPCD's approval of the *Final Draft Guidance for Assessing and Mitigating Air Quality Impacts* (SJVAPCD 2015), the California Supreme Court issued an opinion that affects the conclusions that should/should not be drawn from a GHG emissions analysis that is based on consistency with the AB 32 Scoping Plan. More specifically, in *Center for Biological Diversity v. California Department of Fish and Wildlife*, the Court ruled that showing a "project-level reduction" that meets or exceeds the Scoping Plan's overall statewide GHG reduction goal is not necessarily sufficient to show that the project's GHG impacts will be adequately mitigated: "*the Scoping Plan nowhere related that statewide level of reduction effort to the percentage of reduction that would or should be required from individual projects...*" According to the Court, the lead agency cannot simply assume that the overall level of effort required to achieve the statewide goal for emissions reductions will suffice for a specific project.

Given this Court decision, reliance on a 29 percent GHG emissions reduction from projected BAU levels compared to a project's estimated 2020 levels as recommended in the SJVAPCD's guidance documents will not be the basis for an impact conclusion in this EIR. Given that the SJVAPCD staff has concluded that "*existing science is inadequate to support quantification of impacts that project specific GHG emissions have on global climatic change,*" this analysis instead relies on a qualitative approach to evaluate the project's GHG impacts. Specifically, the analysis relies on an assessment of the proposed project for consistency with the City of Manteca CAP, which is specifically designed to reduce GHG emissions in accordance with the GHG emission reduction targets identified by the State of California in the CARB Scoping Plan. Additionally, a qualitative analysis of the proposed project's consistency with other relevant planning documents and relevant laws is provided herein.

- a) *Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?*

Less than Significant Impact.

Short-Term Construction Greenhouse Gas Emissions

Construction of the project would result in direct emissions of CO₂, N₂O, and CH₄ from the operation of construction equipment and the transport of materials and construction workers to and from the project site. SJVAPCD does not have a threshold for construction GHG emissions, which are one-time, short-term *emissions* and therefore would not significantly contribute to long-term cumulative GHG emissions impacts of the proposed project. However, the SJVAPCD advises that construction GHG should be disclosed and a determination on the significance of construction GHG emissions in relation to meeting AB 32 GHG reduction goals should be made. Total GHG emissions generated during all phases of construction were combined and are presented in *Table 9: Construction Greenhouse Gas Emissions*. The CalEEMod outputs are contained within the Appendix G.

Table 9: Construction Greenhouse Gas Emissions

Year	MTCO ₂ e ¹
2022	288
2023	684
Total	972
<i>Amortized</i>	32.1
MTCO ₂ e = metric tons of carbon dioxide equivalent. 1. Due to Rounding, Total MTCO ₂ e may be marginally different from CalEEMod output. Source: CalEEMod version 2016.4.0. Refer to Appendix G for model outputs.	

As shown in *Table 9*, project construction-related activities would generate approximately 972 MTCO₂e of GHG emissions over the course of construction. One-time, short-term construction GHG emissions are typically summed and amortized over the project's lifetime (assumed to be 30 years). It is reasonable to look at a 30-year time frame for buildings since this is a typical interval before a new building requires the first major renovation. The amortized project emissions would be approximately 32.1 MTCO₂e per year. Once construction is complete, the generation of construction-related GHG emissions would cease.

Long-Term Operational Greenhouse Gas Emissions

The proposed project would include the demolition of the existing buildings and construction of 11 commercial/retail buildings, totaling 209,730 square feet. Operational or long-term emissions would occur over the project's life. GHG emissions would result from direct emissions such as project generated vehicular traffic, on-site combustion of natural gas, and operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power over the life of the project, the energy required to convey water to, and wastewater from the project site, the emissions associated with solid waste generated from the project site, and any fugitive refrigerants from air conditioning or refrigerators. It should be noted that the project would comply with the 2019 Title 24 Part 6 Building Energy Efficiency Standards. The standards require updated thermal envelope standards (preventing heat transfer from the interior to exterior and vice versa), residential and nonresidential ventilation requirements, and nonresidential lighting requirements that would cut residential energy use by more than 50 percent (with solar) and nonresidential energy use by

30 percent. The standards also encourage demand responsive technologies including battery storage and heat pump water heaters and improve the building's thermal envelope through high performance attics, walls and windows to improve comfort and energy savings (California Energy Commission, March 2018). The project would also comply with the appliance energy efficiency standards in Title 20 of the California Code of Regulations. The Title 20 standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances. The project would be constructed according to the standards for high-efficiency water fixtures for indoor plumbing and water efficient irrigation systems required in 2019 Title 24, Part 11 (CALGreen).

At the State and global level, improvements in technology, policy, and social behavior can also influence and reduce operational emissions generated by a project. The state is currently on a pathway to achieving the Renewable Portfolio Standards goal of 60 percent renewables by 2030 per SB 100.

The majority of project emissions would occur from mobile and energy sources. Energy and mobile sources are targeted by statewide measures such as low carbon fuels, cleaner vehicles, strategies to promote sustainable communities and improved transportation choices that result in reducing VMT, continued implementation of the Renewable Portfolio Standard (the target is now set at 60 percent renewables by 2030), and extension of the Cap-and-Trade program (requires reductions from industrial sources, energy generation, and fossil fuels). The Cap-and-Trade program covers approximately 85 percent of California's GHG emissions as of January 2015. The statewide cap for GHG emissions from the capped sectors (i.e., electricity generation, industrial sources, petroleum refining, and cement production) commenced in 2013 and will decline approximately three percent each year, achieving GHG emission reductions throughout the program's duration. The passage of AB 398 in July 2017 extended the duration of the Cap-and-Trade program from 2020 to 2030. With continued implementation of various statewide measures, the project's operational energy and mobile source emissions would continue to decline in the future.

As discussed in Impact Statement GHG-2, below, the proposed development would be constructed in compliance with the City's CAP which would requires the project to achieve GHG emissions reductions by implementing specific reduction strategies. The proposed project, therefore, would be consistent with the City's GHG Reduction and General Plan and would have a less than significant GHG emissions impact.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less Than Significant Impact.

City of Manteca Climate Action Plan Consistency

On October 15, 2013, the City of Manteca adopted their CAP, which is intended to support the goals of AB 32 and SB 32. The CAP is designed to reduce community-related and City operations-related GHG emissions to a degree that would not hinder or delay implementation of AB 32. In order to do such, the City has outlined a course of action for the City government and the community of Manteca to reduce per capita GHG emissions. Projects showing consistency with the CAP would be considered not to contribute significant GHG emissions impacts.

For new development projects constructed in the City of Manteca, the CAP requires the development projects to achieve GHG emissions reductions by implementing specific reduction strategies. The City of Manteca CAP is consistent with the goals presented in AB 32 and SB 32 and, therefore, projects considered consistent with the CAP would be considered to result in a less-than-significant impact related to GHG emissions. The proposed project’s consistency with the reduction strategies in the CAP is assessed in *Table 10: City of Manteca CAP Consistency* below.

Table 10: City of Manteca CAP Consistency

CAP Strategy	Project Consistency
Comply with the applicable land use, sustainable development, and resource conservation policies of the Manteca General Plan	Consistent. The proposed project would not require any land use changes, as the existing designation is consistent with the proposed mixed-use development.
Construct project transportation infrastructure that supports walking, bicycling, and transit use	Consistent. The proposed project would not alter existing street, pedestrian walkways or bike lanes. Additionally, the project would include connections to the existing pedestrian walkways.
Implement transportation demand management programs in projects with large numbers of employees	Consistent. The City would notify the developer of the proposed project regarding the requirements of SJVAPCD Rule 9410 to implement TDM programs that reduce commute trips.
Design and construct project buildings to exceed Title 24 Energy Efficiency Standards by at least 10 percent	Consistent. The proposed project would be required to comply with all applicable standards set forth in Title 24. Additionally, the proposed would be required to meet the water efficiency regulations within CALGreen Code.
Implement project buildings including water conservation measures that meet or exceed the California Green Building Code standards 20 percent requirement	Consistent. The proposed project would comply with water conservation per the California Green Building Standards Code, which requires a 20 percent reduction in indoor water use. The project would include low flow appliances and fixtures.
Install project landscaping that meets or exceeds water conservation standards of the City's adopted landscaping ordinance 20 percent reduction requirement	Consistent. The proposed Project would comply with the State’s Model Water Efficient Landscape Ordinance. In addition, the project would be required to comply with the adopted water conservation standards set forth in Chapter 17.48 of the City’s Municipal Code.
Develop programs to exceed state recycling and diversion targets by at least 10 percent.	Consistent. Pursuant to Municipal Code Section 13.02.120, all construction materials associated with the proposed project shall be recycled. The City of Manteca offers a free commercial recycling pickup service which would be available to the proposed project during operations.
Source: City of Manteca, <i>Climate Action Plan</i> , October 15 th , 2013.	

Because the strategies included in the CAP would achieve local reductions that are adequate to meet the City's 2020 target, which is consistent with the AB 32 reduction targets, if the project is consistent with the City's CAP, the proposed project would not be considered to generate GHG emissions, either directly or indirectly, that may result in a significant impact on the environment or conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing emissions of GHGs. As shown in *Table 10*, the proposed project would be consistent with the strategies as described in the City of Manteca CAP and it functions as an implementation project toward achieving the City's CAP. As such, the proposed Project would not generate GHG emissions that would have a significant impact on the environment or conflict with any applicable plans, policies, or regulations and impacts related to greenhouse gases are less than significant.

Cumulative Impacts

It is generally the case that an individual project of the project's size and nature is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory. GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective. The additive effect of project-related GHG emissions would not result in a reasonably foreseeable cumulatively considerable contribution to global climate change. In addition, the project as well as other cumulative related projects, would be subject to all applicable regulatory requirements, which would further reduce GHG emissions. As discussed in GHG-2 discussion above, the project would be consistent with the City's CAP. Thus, the project would not conflict with any GHG reduction plan. Therefore, the project's cumulative contribution of GHG emissions would be less than significant and the project's cumulative GHG impacts would also be less than cumulatively considerable.

5.9 HAZARDS AND HAZARDOUS MATERIALS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			X	
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?			X	
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			X	
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?			X	
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?			X	
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?			X	
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			X	

a) *Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?*

Less Than Significant Impact.

Construction

Any potentially hazardous materials used during Project construction would be handled on-site. This generally includes paints and solvents and other petroleum-based products, usually used for on-site construction equipment and for building exterior finishes. The use or handling of these potentially hazardous materials would be short-term only during the construction phase of Project. Although these materials could be stored on-site, they would be required to comply with the guidelines established by the City of Manteca. The transport, removal, and disposal of hazardous materials on the Project site would be conducted by a permitted and licensed service provider consistent with federal, state, and local requirements including the EPA, the California Department of Toxic Substances Control (DTSC), the California Occupational Safety and Health Administration (Cal/OSHA), Caltrans, the Resource Conservation and Recovery Act, and the Victorville Fire Department (VFD) or through the Conditionally Exempt Small Quantity Generator (CESQG) Program. With the compliance with local, state, and federal regulations short-term construction impacts associated with the handling, transport, use, and disposal of hazardous materials would be less than significant.

Operations

During project operations, widely used hazardous materials common at commercial/retail and office uses include cleaners, pesticides, and food waste would be present. The remnants of these and other products are disposed of as household hazardous waste that are prohibited or discouraged from being disposed of at local landfills. Regular operation and maintenance of the project structures would not result in significant impacts involving use, storage, transport or disposal of hazardous wastes and substances. Use of common commercial/retail and office hazardous materials and their disposal does not present a substantial health risk to the community. Additionally, the project site is not included on the list of hazardous waste sites (Cortese List) compiled by the Department of Toxic Substances Control (DTSC) pursuant to Government Code § 65962.5 and therefore would not release known hazardous materials due to ground-disturbing activities.⁶ Project impacts associated with the routine transport and use of hazardous materials or wastes would be less than significant.

Direct hazardous waste would be generated from landscaping involving the use of pesticides/herbicides and fertilizers. Landscaping maintenance best management practices (BMPs) would be conducted according to the California Stormwater Quality Associations; Stormwater BMPs which would reduce pesticides and fertilizers from running off off-site. Indirect hazardous materials such as sediment, metals, oils and grease, trash/debris and other organic compounds that usually known as stormwater pollutants would be captures via infiltration basins to avoid stormwater runoff from seeping off-site consistent with the City's stormwater management requirements.

⁶ Department of Toxic Substances Control (DTSC) EnviroStor. 2021. *Hazardous Waste and Substances Site List*. <https://www.envirostor.dtsc.ca.gov/public/map/?myaddress=menifee>. Accessed March 2021.

Hazardous waste generated from the proposed vehicle service station/car wash could include cleaning agents, sediments, oil/grease, etc. There also would be limited transport and storage of pool cleaning supplies, associated with the proposed Hotel. The chemicals used to maintain the pool would be stored in compliance with all applicable Federal, State, and City requirements and any additional laws or regulations. The waste associated with this will conform to applicable federal, state, and local agency regulations. Proposed development is subject to the requirements of Chapter 13.28 of the Manteca Municipal Code. – Stormwater Management and Discharge Control. The purpose of these requirements is to “establish minimum storm water management requirements and controls to protect and safeguard the general health, safety and welfare of the public residing in watersheds within the City of Manteca.” These requirements are intended to assist in the protection and enhancement of the water quality of watercourses, water bodies, and wetlands in a manner pursuant to and consistent with the Federal Water Pollution Control Act (Clean Water Act, 33 USC Section 1251 et seq.), Porter- Cologne Water Quality Control Act (California Water Code Section 13000 et seq.) and National Pollutant Discharge Elimination System (“NPDES”) Permit No. CAS000004, as such permit is amended and/or renewed.

Operations of the gas station would include the use, transport and handling of hazardous materials. Specifically, operation activities would include the regular transportation of gasoline to refill USTs, refilling USTs and pumping gasoline to fuel dispensers, and regular use of the fuel dispensers by motorists. As a result, the proposed Maverik gas station could result in potentially adverse impacts to people and the environment as a result of hazardous materials being accidentally released into the environment (e.g., operators or motorists could spill gasoline while refueling, USTs or pipes dispensing fuel from USTs could leak, automobiles could crash into fuel dispensers, or motorists could refuel while having engine running causing a fire hazard). However, the proposed Maverik Gas Station would be required to operate in compliance with all with applicable federal, state, and local requirements which lessen the potential for these impacts. Some of these regulations include:

- California State Water Resources Control Board (SWRCB) Health and Safety Code, Section 25280, underground storage tanks (USTs) installed after 1988 are required to have a leak detection system consisting of at least one of the following detection methods: secondary containment with interstitial monitoring, automatic tank gauging systems (including continuous automatic tank gauging systems), vapor monitoring (including tracer compound analysis), groundwater monitoring, statistical inventory reconciliation, or other method meeting established performance standards.
- Efficacy requirements established by Environmental Protection Agency (EPA) require that leak detection methods be able to detect certain leak rates and that they also give the correct answer consistently. In general, methods must detect the specified leak rate with a probability of detection of at least 95 percent and a probability of false alarm of no more than 5 percent. EPA found that, with effective leak detection, operators can respond quickly to signs of leaks and minimize the extent of environmental damage and the threat to human health and safety.
- USTs and associated fuel delivery infrastructure (i.e., fuel dispensers) would be required to comply with applicable federal, state, and local regulations, including those provisions established by

Section 2540.7, Gasoline Dispensing and Service Stations, of the California OSHA Regulations; Chapter 38, Liquefied Petroleum Gases, of the California Fire Code; the Resource Conservation and Recovery Act; and the County Fire Department Hazardous Materials Division.

- The proposed Project would also be required to incorporate high-efficiency Phase I and Phase II enhanced vapor recovery (EVR) systems to capture and control gasoline fumes. EVR refers to a new generation of equipment to control emissions at gasoline dispensing facilities in California. EVR systems collect gasoline vapors that would otherwise escape into the atmosphere during bulk fuel delivery (Phase I) or fuel storage and vehicle refueling (Phase II). Since 2009, the installation of Phase I and Phase II EVR systems has been required for gasoline dispensing facilities.
- The fuel dispensers, USTs, and associated fuel delivery infrastructure would be subject to routine inspection by federal, state, and local regulatory agencies with jurisdiction over convenience service station facilities.
- The handling, transport, use, and disposal of hazardous materials must comply with applicable federal, state, and local agencies and regulations.
- In addition to compliance with local, state, and federal requirements, Maverick would take additional measures to prevent environmental and safety impacts. Some of these additional measures, which are proposed as Project design features, include:
 - Product, vapor, and vent piping would be noncorrosive and would provide three levels of protection. First, product piping would be monitored with pressure line leak detection. Second, piping would be double wall to provide secondary containment. Third, fiberglass piping would be additionally monitored under vacuum in accordance with AB 2481 regulations such that, if a breach is detected in the vacuum, the product delivery system would shut down, and the system would sound an audible alarm.
 - Piping connections to the tanks and dispensers would be flexible. Flexible connectors would be used to prevent rupture from any form of ground movement.
 - Piping would slope to the sumps at the USTs. If a piping leak occurs, the gasoline would flow through the secondary pipe to the sump, where a sensor would be triggered to immediately shut down the system and activate an audible/visual alarm.
 - Tanks and dispensers would be equipped with latest Phase I and Phase II EVR vapor recovery air pollution control equipment technology in accordance with the California Air Resources Board regulations and associated Executive Orders. The Phase I EVR equipment would control the vapors in the return path from the tanks back to the tanker truck during offloading filling operations. Phase I EVR systems are 98 percent effective in controlling fugitive emissions from escaping into the environment. Phase II EVR equipment, which also includes “in-station diagnostics,” would control and monitor the vapors in the return path from the vehicles back to the tanks and are 95 percent effective in controlling fugitive emissions from escaping into the environment.
- The UST monitoring system incorporates automatic shutoffs. If gasoline is detected in the sump at the fuel dispenser, the dispenser would shut down automatically, and an alarm would sound. If a problem is detected with a tank, the tank would be automatically shut down, and an alarm would sound. If the product piping system detects a failure of the 0.1 gallons per hour test, the

line would be automatically shut down, and the alarm would sound. Pursuant to federal requirements, monitoring equipment must be able to detect a minimum leak of 3 gallons per hour (equivalent to the accuracy of a mechanical leak detector). Each fuel dispenser would include several safety devices. Specifically, each dispenser sump would be equipped with an automatic shutoff valve to protect against vehicle impact. In addition, each fuel hose would include a breakaway device that would stop the flow of fuel at both ends of the hose in the event of an accidental drive-off. Also, each dispenser would be equipped with internal fire extinguishers. Lastly, dispensers would include leak detection sensors connected to the alarm console inside the controller closure.

Therefore, based on compliance with federal, state, and local regulations, and the incorporation of the proposed Project design features, impacts associated with the handling, transport, use, and disposal of hazardous materials and the release of hazardous materials into the environment would be less than significant

- 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?*

Less Than Significant Impact. As previously mentioned, the project site is previously disturbed undeveloped land, excluding a small portion on the west side of the project site. The project site proposed grading is expected to be a balanced cut and fill requiring no imported soil to backfill excavated areas. This eliminates the potential risk of imported soils being contaminated and requiring appropriate sampling.

The project is located with SR 120 and the Airport Way off ramp to the north, Airport Way to the east, and W Atherton Dr to the south. SR 120 and the Airport Way off ramp, Airport Way, and W Atherton Dr, were all constructed prior to 1992 when lead was still being added to gasoline. Aerially deposited lead (ADL) contaminated soils may exist along roadsides up to 30 feet⁷ from the pavement and within the top 6 inches of the soil. Development of the project does not include any disturbance of soils within 30 ft of SR 120. The off ramp is approximately 30 ft from the project site boundaries and was not heavily utilized prior to 1992, therefore no ADL contaminated soils are expected to be encountered on the north boundary of the project site. Prior to 1992 Airport Way to the east of the project site had not been expanded to include right and left turn lanes. At the time of potential ADL exposure, the distance between the paved road and project site would be greater than 30 ft. Overall, there is not expected to be any ADL contaminated soils on the project site. The project does not propose any widening Airport Way or W. Atherton Drive. As such, potential impacts are considered less than significant.

Given the previous uses of the project site it is unlikely hazardous material would be discovered on-site. However, there is the potential for inadvertent discovery of hazardous waste from historic or future activities on or near the project site. At such time the proper agencies (i.e., fire

⁷ DTSC factsheet (available online here: <https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/f0004055-caltrans-fs-a11y.pdf>)

department, DTSC, and/or Cal/OSHA), would be notified to determine what future actions and/or remediation would be required to identify the extent and potential impact to human health.

Overall, with compliance to federal, state, and local regulations, and the incorporation of the proposed Project design features, impacts would be less than significant.

- c) *Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?*

Less Than Significant Impact. There are no schools within 0.25 miles of the project site and as noted above the project would be in compliance with federal, state, and local regulations. As such, all preventive measures would be in place to limit the hazardous emissions and waste in such a way that would not impact the neighboring school. As such impacts are expected to be less than significant.

- 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?*

Less than Significant Impact. There are no superfund sites or hazardous waste and substances sites (Cortese List) within the project site boundaries (Geotracker, 2022). Additionally, there are no known hazardous materials sites within the projects boundaries as identified on the State of California Geotracker Map (State of California, 2021). Therefore, a less than significant impact associated with hazardous materials sites would occur.

- e) *For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?*

Less than Significant Impact. There are no public airports or of public use airports within 2 miles of the project site. The closest airports are; Stockton Metropolitan Airport approximately 7.5 miles away, New Jerusalem Airport approximately 6 miles away, and Tracy Municipal Airport approximately 11.7 miles away. Additionally, the project site does not fall within any airport land use plan boundaries and therefore impacts associated with a safety hazard or excessive noise would be less than significant.

- f) *Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?*

Less Than Significant Impact. The project is not anticipated to physically impede the existing emergency response plans, emergency vehicle access, or personnel access to the site. The project would not change local roadway circulation patterns or access. Emergency vehicle access must be maintained at all times throughout construction activities, in accordance with the County's routine/standard construction specifications. Further, construction activities would not be permitted to impede emergency access to any local roadways or surrounding properties. All driveways and internal site access roads would be constructed to accommodate all emergency

vehicles and personnel. In April 2019, the San Joaquin County Board of Supervisors adopted an Emergency Operations Plan (EOP).²¹ The primary purpose of the EOP is to outline the County's all-hazard approach to emergency operations to protect the safety, health, and welfare of its citizens throughout all emergency management mission areas. Given that the proposed project is consistent with the site's current land use and zoning designations, the project would not physically interfere with the EOP. As such, the Project would have a less than significant impact associated with the impairment or interference with an adopted emergency response plan.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Less Than Significant Impact. The Project site is not located within an area identified as having wildland fire potential. Therefore, the Project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires. Additionally, according to CALFIRE, the Project site is not located in a Very High Fire Hazard Severity Zone (VHFHSZ) (CALFIRE, 2007). As such, the Project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires. A Less Than Significant impact would occur.

Cumulative Impacts

The incremental effects of the proposed Project related to hazards and hazardous materials, if any, are anticipated to be minimal, and any effects would be site-specific. The Project is also not within an area classified as a VHFHSZ. Therefore, the proposed Project would not result in incremental effects to hazards or hazardous materials that could be compounded or increased when considered together with similar effects from other past, present, and reasonably foreseeable probable future projects. The proposed Project would not result in cumulatively considerable impacts to or from hazards or hazardous materials.

5.10 HYDROLOGY AND WATER QUALITY

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?		X		
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			X	
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:				
i) Result in substantial erosion or siltation on- or off-site?		X		
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?		X		
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?		X		
iv) Impede or redirect flood flows?			X	
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?			X	
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			X	

- a) *Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?*

Less Than Significant With Mitigation Incorporated. The project site falls within the San Joaquin Valley Groundwater Basin and Eastern San Joaquin sub basin. There are no surface waters or wetlands located on the project site per the National Wetlands Inventory (USFWS, 2022). During the early stages of project construction activities, topsoil would be exposed due to grading, trenching for utilities, and other standard ground-disturbing activities. After grading and prior to overlaying the ground surface with impervious surfaces and structures, the potential exists for wind and water erosion to discharge sediment and/or urban pollutants into stormwater runoff, which could adversely affect water quality downstream. The SWRCB regulates stormwater discharges associated with construction activities where clearing, grading, or excavation results in a land disturbance of one or more acres. The City's National Pollutant Discharge Elimination System (NPDES) permit requires applicants to show proof of coverage under the State's General Construction Permit prior to receipt of any construction permits. The State's General Construction Permit requires that subject projects must file a Notice of Intent with the SWRCB and develop a site-specific Storm Water Pollution Prevention Plan (SWPPP). A SWPPP describes Best Management Practices (BMPs) to control or minimize pollutants from entering stormwater and must address both grading/erosion impacts, and non-point source pollution impacts of the development project. BMPs include, but are not limited to, tracking controls, perimeter sediment controls, drain inlet protection, wind erosion/dust controls, and waste management control. Because the proposed project would disturb greater than one acre of land, the project would be subject to the requirements of the State's General Construction Permit.

Mitigation Measure MM HYD-1 would require the preparation of a SWPPP to ensure that the proposed project prepares and implements a SWPPP throughout the construction phase of the project. By implementing and maintaining proper BMPs, the potential for short-term sediment introduction should be minimized. The SWPPP (Mitigation Measure HYD-1) would reduce the potential for the proposed project to violate water quality standards during construction.

Post construction surface water at the site would be collected and run through a catch basin with an oil & gas separator, to a bioretention basin, and then to a proposed 18-inch storm drain that would connect to an existing stormwater drain in W Atherton Drive. To ensure that such a system is implemented, mitigation is proposed requiring the project applicant, as part of the stormwater quality control plan required under Mitigation Measure MM HYD- 2, to include a drainage plan that demonstrates attainment of pre-project runoff volumes and peak flows prior to release in the City's storm drain system.

With the above compliance with and implementation of MM HYD-1 and MM HYD-2 the project would have a less than significant impact related to water quality and water discharge requirements.

MM HYD-1: Prior to the issuance of grading or building permits for each proposed activity within the Master Plan area, the project applicant shall prepare and submit a Stormwater Pollution Prevention Plan (SWPPP) to the City of Manteca for approval that identifies specific actions and Best Management Practices (BMPs) to prevent stormwater pollution during construction activities. The SWPPP shall identify a practical sequence for BMP implementation, monitoring, and maintenance; site restoration; contingency measures; responsible parties; and agency contacts. The SWPPP shall include but not be limited to the following elements:

- Temporary erosion control measures shall be employed for disturbed areas.
- Specific measures shall be identified to protect the onsite open drainages during construction of the proposed project.
- No disturbed surfaces shall be left without erosion control measures in place during the winter and spring months.
- Sediment shall be retained onsite by a system of sediment basins, traps, or other appropriate measures.
- The construction contractor shall prepare Standard Operating Procedures for the handling of hazardous materials on the construction site to eliminate or reduce discharge of materials to storm drains.
- BMP performance and effectiveness shall be determined either by visual means where applicable (e.g., observation of above-normal sediment release), or by actual water sampling in cases where verification of contaminant reduction or elimination (such as inadvertent petroleum release) is required by the RWQCB to determine adequacy of the measure.
- In the event of significant construction delays or delays in final landscape installation, native grasses or other appropriate vegetative cover shall be established on the construction site as soon as possible after disturbance, as an interim erosion control measure throughout the wet season.

MM HYD-2: Prior to the issuance of building or grading permits for any development activities that occur pursuant to the Master Plan, the project applicant shall submit a stormwater quality control plan to the City of Manteca for review and approval. The plan shall include a detailed drainage plan and identify expected site-specific pollutants and required measures to treat those pollutants before they reach the municipal storm drain. The approved measures shall be incorporated into the proposed project. The plan will describe monitoring and performance measures and standards required in order to ensure water quality is adequately protected during operation of all proposed sites within the project area. Examples of stormwater pollution prevention measures and practices to be incorporated into the plan include but are not limited to:

- Strategically placed bioswales and landscaped areas that promote percolation of runoff
- Pervious pavement
- Roof drains that discharge to landscaped areas
- Trash enclosures with screen walls and roofs
- Stenciling on storm drains
- Curb cuts in parking areas to allow runoff to enter landscaped areas
- Rock-lined areas along landscaped areas in parking lots
- Catch basins
- Oil/water separators
- Regular sweeping of parking areas and cleaning of storm drainage facilities
- Employee training to inform maintenance personnel of stormwater pollution prevention measures

b) *Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?*

And,

e) *Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?*

Less Than Significant Impact. As previously mentioned, the project is within the San Joaquin Valley Groundwater Basin and Eastern San Joaquin sub basin. The Department of Water Resources has classified the Eastern San Joaquin County Groundwater Basin (ESJCGB) as a basin in a critical condition of overdraft. Groundwater overdraft in the ESJCGB and the City's groundwater withdrawal rate is of vital concern to the City as this poses a long-term risk to the reliability of the groundwater supply. According to the City's Urban Water Management Plan (UWMP), in order to reduce dependence on groundwater and ensure sustainable yields, the City's goal is to achieve a 53 percent to 47 percent annual balance of surface water to groundwater, respectively. The combined use of surface water and groundwater by the City is intended to reduce the groundwater withdrawal to the established sustainable yield of one acre-foot per year per acre (AFY/ac). The resulting reduction in groundwater withdrawal has stabilized groundwater levels in the Manteca area. As buildout of the General Plan continues over time, groundwater pumped would remain

limited to the safe yield of one AFY/ac, and projected future water demands would be met by a combination of groundwater, imported water, and recycled water.

The proposed project would generate an increase in water demand. However, such demand would be met through a combination of the aforementioned water sources. Development of the project site would not result in an increase in groundwater pumping because the City cannot exceed the sustainable groundwater pumping yield.

In addition, the project site constitutes a relatively small area compared to the size of the groundwater basin and, thus, does not constitute a substantial source of groundwater recharge. The project would allow for some continued infiltration through the proposed bio-retention basin and unpaved landscaping throughout the site. Therefore, the project would not substantially interfere with groundwater recharge.

Given that the proposed project is consistent with the site's General Plan land use and zoning designations, groundwater use associated with development of the project has been anticipated by the City and accounted for in regional planning efforts, including the projections included in the City's UWMP. Therefore, the proposed project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin. The proposed project would have a less than significant impact in this regard.

- 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:*
- i) *Result in substantial erosion or siltation on- or off-site?*
 - ii) *Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite?*
 - 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?*
 - iv) *Impede or redirect flood flows?*

Less Than Significant With Mitigation Incorporated. Project construction work could have an impact on surface water quality due to exposure of soils to potential erosion. Construction activities that would disturb more than an acre of land area would need to obtain a Construction General Permit, which would require preparation of a SWPPP that includes construction BMPs to control soil erosion, runoff, and waste discharges, including methods to clean up contaminants if they are released. Implementation of the SWPPP would reduce potential drainage pattern impacts from construction activities to a level that would be less than significant. In addition, the proposed project would not violate any federal, state, or local water quality standards or waste discharge

requirements. With the above compliance with and implementation of MM HYD-1 and MM HYD-2 the project would have a less than significant impact related to soil erosion, increased surface water runoff, and polluted surface water runoff.

Specific to the proposed gas station, the Maverik site includes 2 bioretention basins, one in the southeast corner 1,240 square feet and 1.5 ft deep, and the other of the southwest side 2,150 square feet and 1.6 ft deep. Stormwater at the site would be collected and run through a catch basin with an oil & gas separator, to a bioretention basin, and then to a proposed 18-inch storm drain that would connect to an existing stormwater drain in W Atherton Drive.

The project site falls within FEMA's National Flood Hazard FIRM Panel 06077C0620F, Zone X Area with Reduced Flood Risk Due to Levee (FEMA, 2020). The north west portion of the project site all overlaps with a Letter of Map Revision (LOMR) 11-09-3002P area effective 9/2/2011. This states that in the unlikely case of levee overtopping or failure, future developments upstream could experience increase flood discharges and potentially flood hazards. Overall, with the project location in an area with reduced flood risk due to a levee the project would not impede or redirect flood flow which would result in a less than significant impact.

In conclusion, the proposed project would not substantially alter the existing drainage pattern of the site or area in a manner which would result in erosion, siltation, or flooding on- or off-site, 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. Consequently, implementation of the proposed project would result in a less-than-significant impact.

d) *In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?*

Less Than Significant Impact. The Project site is located around 60 miles inland from the Pacific Ocean. As such, the potential for the Project site to be inundated by a tsunami is negligible. No steep slopes are located in the Project vicinity; therefore, the risk of mudflow is also negligible. Therefore, impacts would be less than significant.

Cumulative Impacts

The potential impacts related to hydrology and storm water runoff are typically site specific and site specific BMPs are implemented at the project level. The analysis above determined that the implementation of the proposed project would not result in significant impacts. In regard to proposed project impacts that would be considered less than significant, such impacts are not expected to result in compounded or increased impacts when considered together with similar effects from other past, present, and reasonably foreseeable probable future projects, as other projects would be subject to similar laws and requirements regarding hydrology practices.

Projects would be required to adhere to applicable General Plan goals, policies, and action statements; the City of Manteca's Municipal Zoning Code; the City's Standard Conditions of Approval; and the City's

stormwater management guidelines regarding stormwater runoff and infrastructure. In addition, other projects would be required to implement stormwater pollution best management practices during construction and design measures to reduce water quality impacts and comply with the NPDES Municipal Regional Permit. Future developments in the watershed would also be required to comply with the SWRCB and RWQCB. Depending on the size of future projects, they would be required to obtain and comply with all required water quality permits and the Water Quality Control Plan, as needed and prepare and implement SWPPPS, implement construction BMPs, including BMPs to minimize runoff, erosion, and storm water pollution, comply with other applicable requirements. As part of these requirements, projects would be required to implement and maintain source controls, and treatment measures to minimize polluted discharge and prevent increases in runoff flows that could substantially decrease water quality. Conformance to these measures would minimize runoff from those sites and reduce contamination of runoff with pollutants. Therefore, related projects are not expected to cause substantial increases in storm water pollution. With compliance with State and local mandates, cumulative impacts would be less than significant, and project impacts would not be cumulatively considerable.

5.11 LAND USE AND PLANNING

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
LAND USE AND PLANNING. Would the project:				
a) Physically divide an established community?			X	
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?			X	

a) *Physically divide an established community?*

Less Than Significant Impact. An example of a project that has the potential to divide an established community includes the construction of a new freeway or highway through an established neighborhood. The project proposes a commercial mixed-use development. The project would be located near already established residential community to the south, bound by SR 120 to the north, and the general area is developing with additional general commercial or low-density residential uses. Given the project’s nature, scope, and location, the project would not physically divide an established community. A less than significant Impact would occur in this regard.

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?*

Less Than Significant Impact. The Crossing project site is proposed on land currently designated General Commercial in the General Plan Land Use Map and under the Zoning District General Commercial as identified in the Municipal Code. The Project would be consistent with the City’s zoning and General Plan land use designation upon approval of individual project specific use permits dependent on commercial use. Therefore, the Project would not conflict with the City’s land use plan, policy, or regulation and therefore, would be less than significant.

Cumulative Impacts

Implementation of the Project would not create a significant cumulative impact to the surrounding region since its surrounding area is planned for general commercial use. As a result, no cumulative impacts related to land use and planning would occur.

5.12 MINERAL RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
MINERAL RESOURCES. Would the project:				
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?			X	
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?			X	

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?*

Less Than Significant Impact. There are no wells located on the project site. The closest wells within a mile of the project site are all dry hole wells that are plugged and not used. The closest Oil and Gas Field in the McMullin Ranch Gas located approximately 1.4 miles south of the project site. Overall, there are no known available mineral resources on the project site and therefore impacts from the proposed project would be less than significant.

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?*

Less Than Significant Impact. The State of California has identified lands in the General Plan Study Area, near the San Joaquin River, as areas of significant mineral resources. In particular, sand deposits in these areas are considered to be of regional significance. However, Brown Sand and Gravel, Incorporated, the only operator within the Study Area (Oakwood Lake Pit), has completed mining operations. Oakwood Lake Resort has been created from reclaimed mined lands. The proposed project would not impact these resources (City of Manteca, 2003).

Additionally, The Surface Mining and Reclamation Act of 1975 (SMARA) requires classification of land into MRZs according to the known or inferred mineral potential of the area. Under SMARA, areas are categorized into MRZs as follows:

- **MRZ-1** Areas where the available geologic information indicates no significant mineral deposits or a minimal likelihood of significant mineral deposits.
- **MRZ-2** Areas where the available geologic information indicates that there are significant mineral deposits or that there is a likelihood of significant mineral deposits. However, the significance of the deposit is undetermined.

- **MRZ-3** Areas where the available geologic information indicates that mineral deposits are inferred to exist; however, the significance of the deposit is undetermined.
- **MRZ-4** Areas where there is not enough information available to determine the presence or absence of mineral deposits.

Designated by the California Geological Survey, the project site falls within MRZ-1 as having no significant mineral deposits present (CGS, 2012). Therefore, the development of the proposed project would not result in the loss of availability of a locally-important mineral resource recovery site and impacts would be less than significant.

Cumulative Impacts

Implementation of the Project would not create a significant cumulative impact to the surrounding region as there is no loss of a known mineral resource on the project site or significant mineral deposits present on the project site. As a result, no cumulative impacts related to mineral resources would occur.

5.13 NOISE

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
NOISE. Would the project result in:				
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?			X	
b) Generation of excessive groundborne vibration or groundborne noise levels?			X	
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?			X	

REGULATORY SETTING

State

California Government Code

California Government Code Section 65302(f) mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines established by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of “normally acceptable”, “conditionally acceptable”, “normally unacceptable”, and “clearly unacceptable” noise levels for various land use types. Single-family homes are “normally acceptable” in exterior noise environments up to 60 CNEL and “conditionally acceptable” up to 70 CNEL. Multiple-family residential uses are “normally acceptable” up to 65 CNEL and “conditionally acceptable” up to 70 CNEL. Schools, libraries, and churches are “normally acceptable” up to 70 CNEL, as are office buildings and business, commercial, and professional uses.

Title 24 – Building Code

The State’s noise insulation standards are codified in the California Code of Regulations, Title 24: Part 1, Building Standards Administrative Code, and Part 2, California Building Code. These noise standards are applied to new construction in California for interior noise compatibility from exterior noise sources. The regulations specify that acoustical studies must be prepared when noise-sensitive structures, such as residential buildings, schools, or hospitals, are located near major transportation noise sources, and where such noise sources create an exterior noise level of 65 dBA CNEL or higher. Acoustical studies that

accompany building plans must demonstrate that the structure has been designed to limit interior noise in habitable rooms to acceptable noise levels. For new multi-family residential buildings, the acceptable interior noise limit for new construction is 45 dBA CNEL.

Local

City of Manteca General Plan

The Manteca General Plan identifies goals, policies, and implementations in the Noise Element. The Noise Element provides a basis for comprehensive local programs to regulate environmental noise and protect citizens from excessive exposure. *Table 11: Maximum Allowable Noise Exposure from Mobile Noise Sources* lists land uses and associated maximum allowable mobile noise in outdoor activity areas and indoor spaces. Additionally, *Table 12: Performance Standards for Stationary Noise Sources or Project Affected by Stationary Noise Sources* lists daytime and nighttime noise level standards for stationary noise sources.

Table 11: Maximum Allowable Noise Exposure from Mobile Noise Sources

Land Use ⁴	Outdoor Activity Areas Up to 65 ¹	Interior Spaces	
		Ldn/CNEL, dBA	Leq, dBA ⁴
Residential	60 ²	45	-
Transient Lodging	60 ²	45	-
Hospitals, Nursing Homes	60 ²	45	
Theatres, Auditoriums	-	-	35
Churches, Music Halls	60	-	40
Office Buildings	65	-	45
Schools, Libraries, Museums	-	-	45
Playgrounds, Neighborhood parks	70	-	-
1. Outdoor activity areas for residential development are considered to be backyard patios or decks of single family dwellings, and the common areas where people generally congregate for multi-family developments. Outdoor activity areas for non-residential developments are considered to be those common areas where people generally congregate, including pedestrian plazas, seating areas, and outside lunch facilities. Where the location of outdoor activity areas is unknown, the exterior noise level standard shall be applied to the property line of the receiving land use. 2. In areas where it is not possible to reduce exterior noise levels to 60 dB L _{dn} or below using a practical application of the best noise-reduction technology, an exterior noise level of up to 65 L _{dn} will be allowed. 3. Determined for a typical worst-case hour during periods of use. 4. Where a proposed use is not specifically listed on the table, the use shall comply with the noise exposure standards for the nearest similar use as determined by the City.			
Source: City of Manteca General Plan Noise Element Table 9-1: Maximum Allowable Noise Exposure from Mobile Noise Sources, 2003			

Table 12: Performance Standards for Stationary Noise Sources or Project Affected by Stationary Noise Sources

Noise Level Descriptor	Daytime	Nighttime
	7 AM to 10 PM	10 PM to 7 AM
Hourly L_{eq} , dBA	55	45
Maximum Level, dB	70	65
1. Each of the noise levels specified above should be lowered by 5 dB for simple noise tones, noises consisting primarily of speech or music, or recurring impulsive noises. Such noises are generally considered to be particularly annoying and are a primary source of noise complaints. 2. No standards have been included for interior noise levels. Standard construction practices should, with the exterior noise levels identified, result in acceptable interior noise levels		
Source: City of Manteca General Plan Safety Element Table 9-2: Performance Standards for Stationary Noise Sources or Project Affected by Stationary Noise Sources, 2003		

The Manteca General Plan Noise Element includes the following policies for noise:

- Policy N-P-1:** Areas within Manteca exposed to existing or projected exterior noise levels from mobile noise sources exceeding the performance standards in Table 9-1 shall be designated as noise-impacted areas.
- Policy N-P-2:** New development of residential or other noise-sensitive land uses will not be permitted in noise-impacted areas unless effective mitigation measures are incorporated into the project design to satisfy the performance standards in Table 9-1.
- Policy N-P-3:** The City may permit the development of new noise-sensitive uses only where the noise level due to fixed (non-transportation) noise sources satisfies the noise level standards of Table 9-2. Noise mitigation may be required to meet Table 9-2 performance standards.
- Policy N-P-4:** The City shall require stationary noise sources proposed adjacent to noise sensitive uses to be mitigated so as to not exceed the noise level performance standards in Table 9-2.
- Policy N-P-5:** In accord with the Table 9-2 standards, the City shall regulate construction-related noise impacts on adjacent uses.
- Policy N-P-6:** Where the development of residential or other noise-sensitive land use is proposed for a noise-impacted area or where the development of a stationary noise source is proposed in the vicinity of noise sensitive uses, an acoustical analysis is required as part of the environmental review process so that noise mitigation may be considered in the project design. The acoustical analysis shall:

- Be the responsibility of the applicant.
- Be prepared by a qualified acoustical consultant experienced in the fields of environmental noise assessment and architectural acoustics.
- Include representative noise level measurements with sufficient sampling periods and locations to adequately describe local conditions and the predominant noise sources.
- Estimate existing and projected (20 years) noise levels in terms of the standards of Table S-1 or Table S-2, and compare those levels to the adopted policies of the Noise Element.
- Recommend appropriate mitigation measures to achieve compliance with the adopted policies and standards of the Noise Element.
- Estimate noise exposure after the prescribed mitigation measures have been implemented.
- If necessary, describe a post-project assessment program to monitor the effectiveness of the proposed mitigation measures.

Policy N-P-7: Noise level criteria applied to land uses other than residential or other noise-sensitive uses shall be consistent with noise performance levels of Table 9-1 and Table 9-2.

Policy N-P-8: The City shall enforce the Sound Transmission Control Standards of the California Building Code concerning the construction of new multiple occupancy dwellings such as hotels, apartments, and condominiums.

Policy N-P-11: For residential development backing on to a freeway or railroad right-of-way, the developer shall be required to build a sound barrier wall, and provide for other appropriate mitigation measures, to satisfy the performance standards in Table 9-1.

Implementation N-I-1: New development in residential areas with an actual or projected exterior noise level of greater than 60 dB Ldn will be conditioned to use mitigation measures to reduce exterior noise levels to less than or equal to 60 dB Ldn.

Implementation N-I-3: In making a determination of impact under the California Environmental Quality Act (CEQA), a substantial increase will occur if ambient noise levels are increased by 10 dB or more. An increase from 5-10 dB may be substantial. Factors to be considered in determining the significance of increases from 5-10 dB include:

- the resulting noise levels
- the duration and frequency of the noise
- the number of people affected or the land use designation of the affected receptor sites
- public reactions or controversy as demonstrated at workshops or hearings, or by correspondence

- prior CEQA determinations by other agencies specific to the project

Implementation N-I-4: Control noise at the source through use of insulation, berms, building design and orientation, buffer space, staggered operating hours and other techniques. Use noise barriers to attenuate noise to acceptable levels.

City of Manteca Municipal Code

According to Manteca Municipal Code, Section 17.58.050, Noise Standards, construction activities that create a noise disturbance across a residential property line daily between the hours of 7:00 p.m. and 7:00 a.m. are prohibited, except for emergency work of public service utilities. The Municipal Code does not establish quantitative noise limits for construction activities in the City. *Table 13: City of Manteca Zoning Ordinance Noise Standards* shows the City of Manteca standards for maximum noise level at the property line or in the M-1 and M-2 districts, at a point 500 feet from exterior wall of the use or at the property line of the use, whichever is less.

Table 13: City of Manteca Zoning Ordinance Noise Standards

Receiving Land Use Category	Time Period	Maximum Allowable Noise Levels (Ldn/CNEL, dB)
Single-Family and Limited Multiple-Family	10 pm – 7 am	50
	7 am – 10 pm	60
Multiple-Family, Public Institution, and Neighborhood Commercial	10 pm – 7 am	55
	7 am – 10 pm	60
Medium and Heavy Commercial	10 pm – 7 am	60
	7 am – 10 pm	65
Light Industrial	Anytime	70
Heavy Industrial	Anytime	75

Source: City of Manteca Municipal Code, Table 17.58.050-1

Section 17.58.050 D states that construction activities are exempt from Section 17.58.050, when conducted as part of an approved Building Permit, except as prohibited in Subsection 17.58.050(E)(1) (Prohibited Activities) below.

1. Construction Noise. Operating or causing the operation of tools or equipment on private property used in alteration, construction, demolition, drilling, or repair work daily between the hours of 7:00 p.m. and 7:00 a.m., so that the sound creates a noise disturbance across a residential property line, except for emergency work of public service utilities

The Municipal Code establishes that exterior noise levels shall be measured with a sound level meter and associated octave band analyzer meeting the American National Standards Institute's standards S1.4-1971 for Type 1 or Type 2 sound level meters or an instrument and the associated recording and analyzing equipment that will provide equivalent data. When measuring the noise level, the corrections provided in *Table 14: Noise Level Corrections* shall be applied.

Table 14: Noise Level Corrections

Category	Correction (decibels)
Daytime operation only (7 a.m. – 7 p.m.)	+5
Noise source operates less than	
20% of any one-hour period	+5
5% of any one-hour period	+10
1% of any one-hour period	+15
Noise of impulsive character (e.g., hammering)	-5
Noise rising or falling in pitch or volume (e.g., hum, screech)	-5
Source: City of Manteca Municipal Code, Table 17.58.050-2	

Further, Section 9.52.040 F states that loading, unloading, opening, closing or other handling of boxes, crates, containers, building materials, garbage cans or similar objects are prohibited between the hours of 10 p.m. and 8 a.m. in such a manner as to cause noise disturbance, except for solid waste collection.

EXISTING CONDITIONS

Existing Noise Sources

The City of Manteca is impacted by various noise sources. Mobile sources of noise, especially cars and trucks, are the most common and significant sources of noise in the City. Other sources of noise are the various land uses (i.e., residential, commercial, institutional, and recreational and parks activities) throughout the City that generate stationary-source noise.

Noise Measurements

To determine ambient noise levels in the project area, four short-term (10-minute) noise measurements were taken using a Larson Davis SoundExpert LxT Type I integrating sound level meter on January 26, 2022; refer to Appendix H for existing noise measurement data.

As shown in **Figure 6, Noise Measurement Locations**, short-term measurement 1 (ST-1) was taken to represent the ambient noise level to the east of the project site on South Airport Way, ST-2 and ST-3 were taken to represent existing noise levels at the residential uses to the south and southeast of the project site, respectively, and ST-4 was taken to represent the existing noise level at the residential uses to the west of the project site along West Atherton Drive. The primary noise source during the noise measurements was traffic on South Airport Way, West Atherton, and State Route 120 (SR-120). *Table 15: Noise Measurements* provides the ambient noise levels measured at these locations.

Table 15: Noise Measurements

Site No.	Location	L _{eq} (dBA)	L _{min} (dBA)	L _{max} (dBA)	L _{peak} (dBA)	Time	Date
ST-1	South Airport Way	67.9	52.7	83.1	94.6	11:49 a.m. to 11:59 a.m.	01/26/2022
ST-2	Sage Sparrow Avenue	63.8	51.8	76.0	99.3	12:04 p.m. to 12:14 p.m.	01/26/2022
ST-3	Langum Way	48.8	43.4	64.5	83.3	12:21 p.m. to 12:31 p.m.	01/26/2022
ST-4	West Atherton Drive	69.9	41.9	87.0	111.3	12:36 p.m. to 12:46 p.m.	01/26/2022

Source: Noise Measurements taken by Kimley-Horn on January 26th in 2022.

Existing Mobile Noise

Existing roadway noise levels were calculated for the roadway segments in the project vicinity. This task was accomplished using the Federal Highway Administration (FHWA) Highway Traffic Noise Prediction Model (FHWA-RD-77-108) and existing traffic volumes from the 2021 General Plan Draft EIR. Existing traffic volumes were obtained from the traffic modeling performed for the General Plan study area. Day/night traffic distributions were based upon continuous hourly noise measurement data. Caltrans vehicle truck counts were obtained for CA-99 and CA-120. Using these data sources and the FHWA traffic noise prediction methodology, traffic noise levels were calculated for existing (2019) conditions. The closest roadway study segment to the project site is Airport Way south of SR-120 eastbound ramps, which has approximately 17,840 average daily trips.

Existing Stationary Noise

The primary sources of stationary noise in the project vicinity are those associated with the operations of nearby residential uses to the west and south of the site, existing mixed-used commercial and industrial to the north of the project site, and vacant land to the west and south. The noise associated with these sources may represent a single-event noise occurrence, short-term noise, or long-term/continuous noise.

Sensitive Receptors

Noise exposure standards and guidelines for various types of land uses reflect the varying noise sensitivities associated with each of these uses. Residences, hospitals, schools, guest lodging, libraries, and churches are treated as the most sensitive to noise intrusion and therefore have more stringent noise exposure targets than do other uses, such as manufacturing or agricultural uses that are not subject to impacts such as sleep disturbance. The surrounding land uses are predominantly residential, with commercial uses to the north beyond SR-120. As shown in *Table 16: Sensitive Receptors* sensitive receptors near the project site include single-family residences, parks, and religious centers. These distances are from the project site to the sensitive receptor property line.

Table 16: Sensitive Receptors

Receptor Description	Distance and Direction from the Project Site
Single-family residential	80 feet southwest
Single-family residential	170 feet southeast
Bella Vista Park	500 feet west
Gurdwara Gurmat Parkash Manteca (religious establishment)	1500 feet southeast

ENVIRONMENTAL IMPACTS

- 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?*

Less Than Significant Impact.

Construction

Construction noise typically occurs intermittently and varies depending on the nature or phase of construction (e.g. land clearing, grading, excavation, paving). Noise generated by construction equipment, including earth movers, material handlers, and portable generators, can reach high levels. During construction, exterior noise levels could affect the residential neighborhoods surrounding the construction site. Project construction would occur approximately 100 feet from the nearest sensitive receptor to the west. However, construction activities would occur throughout the project site and would not be concentrated at a single point near sensitive receptors. Noise levels typically attenuate (or drop off) at a rate of 6 dB per doubling of distance from point sources, such as industrial machinery. During construction, exterior noise levels could affect the residential neighborhoods near the construction site.

Construction activities associated with development of the project would include some demolition, site preparation, grading, paving, building construction, and architectural coating. Such activities may require graders, scrapers, and tractors during demolition and site preparation; graders, dozers, and tractors during grading; cranes, forklifts, generators, tractors, and welders during building construction; pavers, rollers, mixers, tractors, and paving equipment during paving; and air compressors during architectural coating. Grading and excavation phases of project construction tend to be the shortest in duration and create the highest construction noise levels due to the operation of heavy equipment required to complete these activities. It should be noted that only a limited amount of equipment can operate near a given location at a particular time. Equipment typically used during this stage includes heavy-duty trucks, backhoes, bulldozers, excavators, front-end loaders, and scrapers. Operating cycles for these types of construction equipment may involve one or two minutes of full-power operation followed by three to four minutes at lower power settings. Other primary sources of noise would be shorter-duration incidents, such as dropping large pieces of equipment or the hydraulic movement of machinery lifts, which would last less than one minute. According to the applicant, no pile-driving would be

required during construction and as such a project condition of approval will be included in the project permit to reflect the project's proposed construction.

Noise generated by construction equipment, including earth movers, material handlers, and portable generators, can reach high levels. Typical noise levels associated with individual construction equipment are listed in *Table 17: Typical Construction Noise Levels*.

Table 17: Typical Construction Noise Levels

Equipment	Maximum Noise Level (dBA) from Source ¹
	50 feet (reference level)
Air Compressor	80
Backhoe	80
Compactor	82
Concrete Mixer	85
Concrete Pump	82
Concrete Vibrator	76
Crane, Mobile	83
Dozer	85
Generator ²	56
Grader	85
Impact Wrench	85
Jack Hammer	88
Loader	80
Paver	85
Pneumatic Tool	85
Pump	77
Roller	85
Saw	76
Scarifier	83
Scraper	85
Shovel	82
Truck	84
<p>1. Calculated using the inverse square law formula for sound attenuation: $dBA_2 = dBA_1 + 20\text{Log}(d_1/d_2)$ Where: $QWdBA_2$ = estimated noise level at receptor; dBA_1 = reference noise level; d_1 = reference distance; d_2 = receptor location distance.</p> <p>2. Generator would include CAT XQ60 Rental Generator Set.</p> <p>Source: Federal Transit Administration, <i>Transit Noise and Vibration Impact Assessment Manual</i>, September 2018.</p>	

Policy N-P-5 of the City's General Plan limits hourly average noise levels and maximum instantaneous noise levels due to construction activities to 50 dBA L_{eq} and 70 dBA L_{max} , respectively, during daytime hours between 7:00 a.m. and 10:00 p.m. Additionally, Implementation N-I-3 states that a 10 dBA or more increase over ambient noise levels would be considered a significant CEQA

impact. Further, Section 17.58.050(E) of the City's Municipal Code limits allowable construction hours to between 7:00 a.m. and 7:00 p.m.

Noise impacts for mobile construction equipment are typically assessed as emanating from the center of the equipment activity or construction site.⁸ For the proposed project, this center point would be approximately 275 feet from the nearest sensitive receptor property line. As shown in *Table 18* noise maximum levels are below 73 dBA at 275 feet, the distance to the nearest sensitive receptor west of the site. The highest anticipated construction noise level of 73 dBA at 275 feet is expected to occur during the demolition phase. These sensitive uses may be exposed to elevated noise levels during project construction. The Federal Highway Administration (FHWA) Roadway Construction Noise Model (RCNM) was used to calculate noise levels during construction activities; refer to Appendix H: Noise Data. RCNM is a computer program used to assess construction noise impacts and allows for user-defined construction equipment and user-defined noise limit criteria. Noise levels were calculated for each construction phase and are based on the equipment used, distance to the nearest property/receptor, and acoustical use factor for equipment.

The noise levels calculated in *Table 18: Project Construction Noise Levels*, show estimated exterior construction noise at the closest receptors to the south and west of the project site. Based on calculations using the RCNM model, construction noise levels would range from approximately 53.1 dBA L_{eq} and 65.4 dBA L_{eq} , and 57.1 dBA L_{max} to 69.8 dBA L_{max} at the nearest sensitive receptors; see *Table 16*.

As shown in *Table 18*, the loudest noise levels would be 65.4 dBA L_{eq} and 69.8 L_{max} at the nearest residential uses to the west, which would exceed City's hourly average threshold of 50 dBA L_{eq} and maximum instantaneous threshold of 70 dBA L_{max} . However, Section 17.58.050(D) of the municipal code states that construction activities are exempt from the City's Noise Ordinance during allowable hours, between 7:00 a.m. and 7:00 p.m., when conducted as part of an approved Building Permit. Considering project construction activities would be required to comply with the City's regulations, construction activities would be exempt from the General Plan noise level limits. As a result, a less-than-significant impact would occur related to creation of a substantial temporary or periodic increase in ambient noise levels in the project vicinity.

⁸ For the purposes of this analysis, the construction area is defined as the center of the project site per the methodology in the FTA Transit Noise and Vibration Impact Assessment Manual (September 2018). Although some construction activities may occur at distances closer than 275 feet from the nearest properties, construction equipment would be dispersed throughout the project site during various construction activities. Therefore, the center of the project site represents the most appropriate distance based on the sporadic nature of construction activities.

Table 18: Project Construction Noise Levels

Construction Phase	Receptor Location			Modeled Exterior Noise Level (dBA L _{eq}) ^{2,3}	Noise Threshold (dBA L _{eq}) ⁴	Exceeded?	Modeled Exterior Noise Level (dBA L _{max}) ^{2,3}	Noise Threshold (dBA L _{eq}) ⁴	Exceeded?
	Land Use	Direction	Distance (feet) ¹						
Demolition	Residential	West	275	64.8	50	Yes	69.8	70	No
	Residential	South	300	64.0		Yes	69.0		No
Site Preparation	Residential	West	275	62.2		Yes	64.2		No
	Residential	South	300	61.5		Yes	63.4		No
Grading	Residential	West	275	65.4		Yes	65.2		No
	Residential	South	300	64.6		Yes	64.4		No
Building Construction	Residential	West	275	63.0		Yes	64.2		No
	Residential	South	300	62.3		Yes	63.4		No
Paving	Residential	West	275	56.9		Yes	60.2		No
	Residential	South	300	56.1		Yes	59.4		No
Architectural Coating	Residential	West	275	53.9		Yes	57.9		No
	Residential	South	300	53.1		Yes	57.1		No

Notes:

- Distance is from the nearest receptor to the main construction activity area on the project site. Not all equipment would operate at the closest distance to the receptor.
- Modeled noise levels conservatively assume the simultaneous operation of all pieces of equipment.
- Modeled noise levels include a 5 dB reduction for the existing concrete wall located between the residences and W. Atherton Way.
- Policy N-P-5 of the City's General Plan limits hourly average noise levels and maximum instantaneous noise levels due to construction activities to 50 dBA L_{eq} and 70 dBA L_{max}, respectively, during daytime hours between 7:00 a.m. and 10:00 p.m.

Source: Federal Highway Administration, *Roadway Construction Noise Model*, 2006. Refer to **Appendix H: Noise Data** for noise modeling results.

Although project construction would occur during normal daytime hours and would not be subject to the City's Municipal Code noise standards, construction activities could result in a noticeable increase in ambient noise levels in the area. Therefore, prior to the issuance of any grading permits, the project applicant shall submit and implement a Construction Noise Management Plan that specifies hours of construction, noise and vibration minimization measures, posting and notification of construction schedules, equipment to be used, and designation of a noise disturbance coordinator. The noise disturbance coordinator shall respond to neighborhood complaints and shall be in place prior to the start of construction and implemented during construction to reduce noise impacts on neighboring residents and other uses. The noise logistic plan shall be submitted to the Community Development Department Director or Director's designee of the Director of the Community Development Department prior to the issuance of any grading permits. The Construction Noise Management Plan would help to reduce noise levels associated with the construction of the proposed project. Thus, the proposed project would have a less than significant impact in this regard.

Construction Noise Management Plan

Noise reduction measures may include, but are not limited to, the following:

- a) Equipment and trucks used for project construction shall utilize the best available noise control techniques (e.g., improved mufflers, equipment redesign, use of intake silencers, ducts, engine enclosures and acoustically attenuating shields or shrouds) wherever feasible.
- b) Except as provided herein, impact tools (e.g., jack hammers, pavement breakers, and rock drills) used for project construction shall be hydraulically or electrically powered to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used. This muffler can lower noise levels from the exhaust by up to about 10 dBA. External jackets on the tools themselves shall be used, if such jackets are commercially available. This could achieve a reduction of 5 dBA. Quieter procedures shall be used, such as drills rather than impact equipment, whenever such procedures are available and consistent with construction procedures.
- c) Temporary power poles shall be used instead of generators where feasible.
- d) Stationary noise sources shall be located as far from adjacent properties as possible, and they shall be muffled and enclosed within temporary sheds, incorporate insulation barriers, or use other measures as determined by the City to provide equivalent noise reduction.
- e) The noisiest phases of construction shall be limited to less than 10 days at a time. Exceptions may be allowed if the City determines an extension is necessary and all available noise reduction controls are implemented.
- f) Delivery of materials shall observe the hours of operation described above.
- g) Truck traffic should avoid residential areas to the extent possible.

Construction Traffic Noise

Construction is estimated to be approximately 16 months. Construction noise may be generated by large trucks moving materials to and from the project site. Large trucks would be necessary to deliver building materials as well as remove dump materials. Excavation, cut, and fill would be required. Grading over the entire site would consist of 32,700 cubic yards of balanced cut and fill. Based on the California Emissions Estimator Model (CalEEMod) default assumptions for this

project, the project would generate the highest number of daily trips during the demolition and construction phases. The model estimates that the project would generate up to 15 worker trips and 10 daily hauling trips (200 hauling trips over 20 days) for demolition for a total of approximately 25 daily vehicle trips during demolition. During the site preparation phase there would be approximately 18 daily worker trips. Building construction would have 222 daily worker trips and 90 daily vendor trips.

According to Implementation Measure N-I-3 of the City's General Plan, a significant permanent noise increase would occur if the project would increase noise levels at noise-sensitive receptors by 5 dBA Ldn or more. For reference, a 5 dBA Ldn noise increase would be expected if the project would triple existing traffic volumes along a roadway. Airport Way south of SR-120 eastbound ramps has approximately 17,840 average daily trips.⁹ A maximum of 312 daily project construction trips (total of 222 daily worker trips and 90 daily vendor trips) would not triple the existing traffic volume per day. Therefore, construction related traffic noise would not be noticeable and would not create a significant noise impact. Implementation of the Construction Noise Management Plan would also help reduce construction traffic noise levels, as truck traffic would be routed to avoid residential areas where feasible.

Operations

Implementation of the project would create new sources of noise in the project vicinity. The major noise sources associated with the project that would potentially impact existing and future nearby residences include the following:

- Off-site traffic noise;
- Mechanical equipment (i.e., trash compactors, air conditioners, etc.);
- Gas dispensing activities;
- Restaurant and commercial retail activities (e.g., outdoor seating and dining areas, vehicle queuing, speaker systems);
- Delivery trucks activities at the loading areas (i.e., maneuvering and idling trucks, loading/unloading, and equipment noise);
- Parking areas (i.e., car door slamming, car radios, engine start-up, and car pass-by); and
- Landscape maintenance activities.

The closest sensitive receptors are located approximately 100 feet to the west. Policy N-P-4 of the City's General Plan establishes the noise level requirements as thresholds for stationary noise sources. *Table 12* limits hourly average noise levels from stationary sources to 55 dBA L_{eq} between the hours of 7:00 a.m. and 10:00 p.m. and to 45 dBA L_{eq} between the hours of 10:00 p.m. and 7:00 a.m. Further, maximum instantaneous noise levels shall not exceed 70 dBA L_{max} between the hours of 7:00 a.m. and 10:00 p.m. and 65 dBA L_{max} between the hours of 10:00 p.m. and 7:00 a.m. These thresholds shall be enforced on the property lines of the adjacent receiving uses. Further, *Table 17.58.050-1* of the City's Municipal Code (*Table 13* above) limits hourly average noise levels to 60 dBA CNEL between the hours of 7:00 a.m. and 10:00 p.m. and to 50 dBA CNEL between the hours

⁹ City of Manteca, *General Plan Draft EIR*, 2021.

of 10:00 p.m. and 7:00 a.m. at single family residential land uses. Table 17.58.050-2 of the Municipal Code (*Table 14* above) provides noise level corrections for Table 17.58.050-1 (*Table 13*), which include adding 15 dB to the Municipal Code thresholds for noises occurring for less than 1% of any one hour, adding 10 dB for sources occurring less than 5% of any one-hour, and adding 5 dB for source occurring less than 20% of any hour.

Traffic Noise

Implementation of the project would generate increased traffic volumes along study roadway segments. The project is expected to generate a net of 10,944 average daily trips, which would result in noise increases on project area roadways. According to Implementation Measure N-I-3 of the City's General Plan, a significant permanent noise increase would occur if the project would increase noise levels at noise-sensitive receptors by 5 dBA Ldn or more. For reference, a 5 dBA Ldn noise increase would be expected if the project would triple existing traffic volumes along a roadway. Airport Way south of SR-120 eastbound ramps has approximately 17,840 average daily trips.¹⁰ Therefore, a maximum of 10,944 daily project trips would not triple the existing traffic volume per day. Operational related traffic noise would not be noticeable and would not create a significant noise impact.

Stationary Noise Sources

Implementation of the project would create new sources of noise in the project vicinity from mechanical equipment, truck loading areas, parking lot noise, and landscape maintenance. *Table 19: Operational Noise Levels*, shows the noise levels generated by various stationary noise sources and the resulting noise level at the nearest receiver. *Table 19* also shows the project's compliance with the General Plan Policy N-P-4, as well as the Municipal Code. Each stationary source is discussed below.

Mechanical Equipment

Regarding mechanical equipment, the project would generate stationary-source noise associated with heating, ventilation, and air conditioning (HVAC) units. HVAC units typically generate noise levels of approximately 52 dBA at 50 feet.¹¹ Additionally, the project would include backup generators. *Table 19* shows that mechanical equipment would not exceed the City's General Plan standards in Policy N-P-4 and Section 17.58.050 of the Municipal Code.

Parking Lot and Gas Station Activities

According to the site plan, 670 parking spaces are proposed as part of the project. 38 of the 670 parking spaces would be located to the east and south of the convenience store, facing the existing residences to the south. Additionally, 14 standard fuel pumps and eight diesel pumps would also include similar noise sources as parking spaces, which would include vehicular circulation, louder engines, car alarms, door slams, and human voices. These sources typically generate noise levels ranging from 53 to 63 dBA at a distance of 50 feet. *Table 19* shows that parking lot and gas station activities would not exceed the City's General Plan standards in Policy N-P-4 and Section 17.58.050 of the Municipal Code.

¹⁰ City of Manteca, *General Plan Draft EIR*, 2021.

¹¹ Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.

Loading Area Noise

The project is a commercial development that would include deliveries. The primary noise associated with deliveries is the arrival and departure of trucks. Operations of the proposed project would potentially require a mixture of deliveries from vans, light trucks, and heavy-duty trucks. Normal deliveries typically occur during daytime hours. During loading and unloading activities, noise would be generated by the trucks' diesel engines, exhaust systems, and brakes during low gear shifting' braking activities; backing up toward the docks/loading areas; dropping down the dock ramps; and maneuvering away from the docks. The nearest loading area at the project site would be located approximately 280 feet away from the residential uses to the west along Atherton Drive. Typically, heavy truck operations generate a noise level of 64 dBA at a distance of 50 feet.¹² While there would be temporary noise increases during truck maneuvering and engine idling, these impacts would be of short duration and infrequent. *Table 19* shows that truck and loading area noise would not exceed the City's General Plan standards in Policy N-P-4 and Section 17.58.050 of the Municipal Code.

Parking Areas

Traffic associated with parking areas is typically not of sufficient volume to exceed community noise standards, which are based on a time-averaged scale such as the CNEL scale. However, the instantaneous maximum sound levels generated by a car door slamming, engine starting up and car pass-bys may be an annoyance to adjacent noise-sensitive receptors. Parking lot noise can also be considered a "stationary" noise source. The instantaneous maximum sound levels generated by a car door slamming, engine starting up, and car pass-bys range from 53 to 61 dBA at 50 feet. Conversations in parking areas may also be an annoyance to sensitive receptors. Sound levels of speech typically range from 33 dBA at 48 feet for normal speech to 50 dBA at 50 feet for very loud speech. It should be noted that parking lot noise are instantaneous noise levels compared to noise standards in the DNL scale, which are averaged over time. As a result, actual noise levels over time resulting from parking lot activities would be far lower. *Table 19* shows that parking area noise would not exceed the City's General Plan standards in Policy N-P-4 and Section 17.58.050 of the Municipal Code.

Drive-Thru Operations

The proposed project would include several drive-thru restaurants with menu boards and intercoms that would be located near the restaurant building. Project noise sources from drive-thru operations include amplified speech from the intercom, idling vehicles, and vehicles circulating along the drive-thru lane. The measured noise level associated with active drive-thru operations is 64 dBA at a distance of 20 feet. The nearest sensitive receptors (single-family residences to the west) are located within approximately 640 feet from the proposed menu board and intercom, and as close as 580 feet from the drive-thru lane/queuing area. *Table 19* shows that drive-thru operation noise would not exceed the City's General Plan standards in Policy N-P-4 and Section 17.58.050 of the Municipal Code.

¹² Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.

Landscape Maintenance Activities

Development and operation of the project includes new landscaping that would require periodic maintenance. Noise generated by a gasoline-powered lawnmower is estimated to be approximately 70 dBA at a distance of five feet. Landscape maintenance activities would be 50 dBA at 50 feet away and 44.0 dBA at the closest sensitive receptor approximately 100 feet away. Maintenance activities would operate during daytime hours for brief periods of time as allowed by the City Municipal Code and would not permanently increase ambient noise levels in the project vicinity and would be consistent with activities that currently occur at the surrounding uses. *Table 19* shows that landscape maintenance noise would not exceed the City's General Plan standards in Policy N-P-4 and Section 17.58.050 of the Municipal Code.

Summary

As shown in *Table 19*, stationary sources would not exceed the Policy N-P-4 of the City's General Plan or Section 17.58.050 of the Municipal Code at the nearest residential uses. Additionally, noise levels would be further attenuated by intervening terrain and structures and were not accounted for in the noise calculations in *Table 19*. Therefore, operational noise impacts associated with on-site activities would be less than significant.

Table 19: Operational Noise Levels

Nearest Land Use	Distance (feet) ¹	Reference Level at 50 ft (dBA)	Section 17.58.050 of the Municipal Code			Policy N-P-4			
			Noise Level at Receiver	Exterior Noise Standard (L _{eq})	Exceed Threshold	Noise Level at Receiver	Exterior Noise Standard (L _{eq})	Exterior Noise Standard (L _{max})	Exceed Threshold
Mechanical Equipment									
Residences (West)	215	52 dBA ²	39.3 dBA	60 dBA	NO	39.3 dBA	50 dBA	70 dBA	NO
Residences (South)	260		37.7 dBA		NO	37.7 dBA			NO
Loading Area									
Residences (West)	280	64 dBA ²	49.0 dBA	60 dBA	NO	49.0 dBA	50 dBA	70 dBA	NO
Residences (South)	315		48.0 dBA		NO	48.0 dBA			NO
Parking Area/Gas Dispensing Activities									
Residences (West)	185	61 dBA ³	49.6 dBA	60 dBA	NO	49.6 dBA	50 dBA	70 dBA	NO
Residences (South)	210		48.5 dBA		NO	48.5 dBA			NO
Drive-Thru Operations									
Residences (West)	580	56 dBA ⁴	45.9 dBA	60 dBA	NO	45.9 dBA	50 dBA	70 dBA	NO
Residences (South)	580		45.3 dBA		NO	45.3 dBA			NO
Landscape Maintenance									
Residences (West)	100	61 dBA ⁵	34.7 dBA	60 dBA	NO	34.7 dBA	50 dBA	70 dBA	NO
Residences (South)	100		34.7 dBA		NO	34.7 dBA			NO
<ol style="list-style-type: none"> The distance is from the location of the operational noise source to the sensitive receptor property line. Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, <i>Noise Navigator Sound Level Database with Over 1700 Measurement Values</i>, July 6, 2010. Kariel, H. G., <i>Noise in Rural Recreational Environments</i>, Canadian Acoustics 19(5), 3-10, 1991. Drive-thru noise sample collected by Kimley-Horn on August 17, 2018. U.S. EPA, <i>Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances</i>, 1971. Table 17.58.050-1 of the City's Municipal Code limits hourly average noise levels to 60 dBA L_{eq} between the hours of 7:00 a.m. and 10:00 p.m. and to 50 dBA L_{eq} between the hours of 10:00 p.m. and 7:00 a.m. at single family residential land uses. Policy N-P-4 of the City's General Plan establishes the noise level requirements as thresholds for stationary noise sources. Municipal Code Table 9-2 limits hourly average noise levels to 50 dBA L_{eq} between the hours of 7:00 a.m. and 10:00 p.m. and to 45 dBA L_{eq} between the hours of 10:00 p.m. and 7:00 a.m. Further, maximum instantaneous noise levels shall not exceed 70 dBA L_{max} between the hours of 7:00 a.m. and 10:00 p.m. and 65 dBA L_{max} between the hours of 10:00 p.m. and 7:00 a.m. 									

b) *Generation of excessive groundborne vibration or groundborne noise levels?*

Less Than Significant Impact.

Construction

Increases in groundborne vibration levels attributable to the project would be primarily associated with construction-related activities. Construction on the project site would have the potential to result in varying degrees of temporary groundborne vibration, depending on the specific construction equipment used and the operations involved. Ground vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. The effect on buildings located in the vicinity of the construction site often varies depending on soil type, ground strata, and construction characteristics of the receiver building(s). The results from vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at the highest levels. Groundborne vibrations from construction activities rarely reach levels that damage structures.

The types of construction vibration impacts include human annoyance and building damage. Human annoyance occurs when construction vibration rises significantly above the threshold of human perception for extended periods of time. Building damage can be cosmetic or structural. Ordinary buildings that are not particularly fragile would not experience cosmetic damage (e.g., plaster cracks) at distances beyond 30 feet. This distance can vary substantially depending on soil composition and underground geological layer between vibration source and receiver.

The FTA has published standard vibration velocities for construction equipment operations. In general, depending on the building category of the nearest buildings adjacent to the potential pile driving area, the potential construction vibration damage criteria vary. For example, for a building constructed with reinforced concrete with no plaster, the FTA guidelines show that a vibration level of up to 0.50-inch per second (in/sec) peak particle velocity (PPV) is considered safe and would not result in any construction vibration damage.

Table 20: Typical Construction Equipment Vibration Levels, lists vibration levels at 25 feet, 50 feet, and 75 feet for typical construction equipment. Groundborne vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. As indicated in *Table 20*, based on FTA data, vibration velocities from typical heavy construction equipment operations that would be used during project construction range from 0.003 to 0.089 in/sec PPV at 25 feet from the source of activity.

Table 20: Typical Construction Equipment Vibration Levels

Equipment	Peak Particle Velocity At 25 feet (in/sec)	Peak Particle Velocity At 50 feet (in/sec)	Peak Particle Velocity At 75 feet (in/sec)
Large Bulldozer	0.089	0.032	0.017
Loaded Trucks	0.089	0.032	0.017
Rock Breaker	0.076	0.027	0.015
Jackhammer	0.035	0.012	0.007
Small Bulldozer/Tractors	0.003	0.001	0.001
1. Calculated using the following formula: $PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$, where: PPV_{equip} = the peak particle velocity in in/sec of the equipment adjusted for the distance; PPV_{ref} = the reference vibration level in in/sec from Table 7-4 of the Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, 2018; D = the distance from the equipment to the receiver.			
Source: Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, September 2018.			

As shown in *Table 20*, the highest vibration levels are achieved with the large bulldozer operations. This construction activity is expected to take place during grading. The nearest structure is approximately 100 feet from the active construction zone. As indicated in *Table 20*, construction vibration levels at the nearest sensitive receptors (100 feet away) would not exceed 0.017 in/sec PPV and/or the FTA's 0.20 PPV threshold. In addition, construction activities would occur throughout the project site and would not be concentrated at the point closest to the nearest structure. Therefore, vibration impacts associated with the project would be less than significant.

Operations

The project would not generate groundborne vibration that could be felt at surrounding uses. Project operations would not involve railroads or substantial heavy truck operations, and therefore would not result in vibration impacts at surrounding uses. As a result, impacts from vibration associated with project operation would be less than significant.

- c) *For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?*

Less Than Significant Impact. The nearest airport to the project site is the Stockton Metropolitan Airport located approximately 7.7 miles north of the project site. The project site lies outside of the CNEL noise contours shown in the Stockton Metropolitan Airport Land Use Compatibility Plan Update report published in May 2016 and amended in February 2018.¹³ Aircraft-related noise at the project site would not substantially increase ambient noise levels. Exterior noise levels resulting from aircraft would be compatible with the proposed project. By ensuring compliance with the City's normally acceptable noise level standards, interior noise levels would also be considered acceptable with aircraft noise. Therefore, the project would not expose people residing or working in the project area to excessive airport- or airstrip-related noise levels and no mitigation is required.

¹³ San Joaquin County's Aviation System Stockton Metropolitan Airport, *Airport Land Use Compatibility Plan Update for Stockton Metropolitan Airport*, May 2016.

Cumulative Impacts

Cumulative Construction Noise

The project's construction activities, when properly mitigated, would not result in a substantial temporary increase in ambient noise levels. The City limits construction to the hours of 7:00 a.m. to 7:00 p.m. on Monday through Friday. The project would contribute to other proximate construction noise impacts if construction activities were conducted concurrently. However, based on the noise analysis above, the project's construction-related noise impacts would be less than significant following compliance with local regulations and the Construction Noise Management Plan outlined in this study.

Construction activities at other planned and approved projects would be required to take place during daytime hours, and the City and project applicants would be required to evaluate construction noise impacts and implement mitigation, if necessary, to minimize noise impacts. Each project would be required to comply with the applicable City of Manteca Municipal Code limitations on allowable hours of construction. Therefore, project construction would not contribute to cumulative impacts and impacts in this regard are not cumulatively considerable.

Cumulative Operational Noise

Cumulative noise impacts describe how much noise levels are projected to increase over existing conditions with the development of the project and other foreseeable projects. Cumulative noise impacts would occur primarily as a result of increased traffic on local roadways due to buildout of the project and other projects in the vicinity. However, noise from generators and other stationary sources could also generate cumulative noise levels.

Stationary Noise

As discussed above, impacts from the project's operations would be less than significant. Due to site distance, intervening land uses, and the fact that noise dissipates as it travels away from its source, noise impacts from on-site activities and other stationary sources would be limited to the project site and vicinity. No known past, present, or reasonably foreseeable projects would compound or increase the operational noise levels generated by the project. Thus, cumulative operational noise impacts from related projects, in conjunction with project-specific noise impacts, would not be cumulatively significant.

Traffic Noise

A project's contribution to a cumulative traffic noise increase would be considered significant when the combined effect exceeds perception level (i.e., auditory level increase) threshold. As described above, implementation of the project would generate increased traffic volumes along study roadway segments. The project is expected to generate a net of 10,944 average daily trips, which would result in noise increases on project area roadways. Airport Way south of SR-120 eastbound ramps has approximately 17,840 average daily trips.¹⁴ Therefore, a maximum of 10,944 daily project trips would not triple the existing traffic volume per day. Operational related traffic noise would not be noticeable and would not create a significant noise impact

5.14 POPULATION AND HOUSING

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
POPULATION AND HOUSING. Would the project:				
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)?			X	
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?			X	

- 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)?*

Less Than Significant Impact. The project site is currently zoned general commercial and designated general commercial in the General Plan. The proposed project does not propose any residential uses that could generate new residents within the City. The proposed project includes a hotel, retail shops, a grocery store, and gas station. The hotel would not support permanent housing and wouldn't induce substantial population growth. The retail shops, grocery store, and gas station would serve the existing population in the surrounding area and would not substantially induce unplanned population growth. In addition, project construction and operation would create new employment opportunities. The workers are anticipated to come from within the City or surrounding jurisdictions and commute daily to the site. Although it is possible that demand for workers could induce some people to move to the area this is anticipated to be a small number relative to total demand for construction workers and permanent employees. It is anticipated that with the recent and continuing growth of the City, there are adequate numbers of people already residing in the area to work on or at The Crossings site. Therefore, impacts from the proposed project to unplanned population growth are less than significant.

- b) *Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?*

Less than significant Impact. As mentioned above, the project site is not zoned or designated in the General plan to be used for residential. On a portion of the project site is the Sterling Home Showcase, this is a retailer with an existing display center located on the project site. The proposed project would require demolition of 11 showcase structures, these building are not used for permanent or temporary housing, and there are no people residing in the buildings on the project site. There are no other housing units, or structures on the project site, therefore the project would

not displace housing or people, or require construction of replacement housing elsewhere. Therefore, impacts would be less than significant.

Cumulative Impacts

Overall, the project site would serve the existing demand from the population within the local vicinity. The proposed Project would be consistent with the planned land uses in the City's General Plan and the population and employment projections for the City and the region as a whole. Impacts from cumulative growth are considered in the context of their consistency with these local and regional planning efforts. Therefore, the proposed Project would not cause a cumulatively considerable impact on population and housing and no mitigation is required.

5.15 PUBLIC SERVICES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
PUBLIC SERVICES. Would the project:				
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 public services:				
i) Fire protection?			X	
ii) Police protection?			X	
iii) Schools?			X	
iv) Parks?			X	
v) Other public facilities?			X	

a) *Would the project 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 public services:*

i) *Fire protection?*

Less Than Significant Impact. There are 5 Fire Stations located within the City of Manteca. Fire Station 242 at 1154 S. Union Road is the closest to the project site, located 1.2 miles northeast. The City Manteca’s Fire Department will review the development plans for the Project to ensure the development adheres to the Fire Departments requirements and the Project would include the payment of standard City development impact fees, which include a fee for fire protection service impacts. The nominal population growth associated with the project would incrementally increase the demand for fire protection and emergency medical services to the project site. The project falls within the existing service area for the fire department and would not have a significant effect on response times. Additionally, the project does not propose, and would not create a need for, new/physically altered fire protection facilities, thus, less than significant environmental impacts

would occur in this regard. Finally, the project would be constructed to meet the latest CBC requirements and the project is subject to fire suppression development impact fees and other standards and conditions required by the City and County Fire. As such, a less than significant impact would occur.

ii) Police protection?

Less Than Significant Impact. The City of Manteca's Police Department is under contract to provide police protection and public safety services within the city, including the Project site. The Manteca Police Department is located approximately 1.8 miles northeast from the project site. The nominal population growth associated with the project would incrementally increase the demand for police protection services to the project site. However, the proposed mixed-use development would not result in any unique or more extensive crime problems that cannot be handled with the existing level of police resources. Additionally, the project would not have a significant impact on police response times, because the project site is within the Police's existing service area. Therefore, project impacts concerning police protection services would be less than significant and no mitigation is required. Additionally, the project does not propose, and would not create a need for, new/physically altered police protection facilities; thus, less than significant environmental impacts would occur in this regard.

iii) Schools?

Less Than Significant Impact. The following schools are in the local vicinity of the project site; Sierra High School approximately 1 mile to the northeast, Veritas School approximately 1.3 miles east, Sequoia Elementary School approximately 1.7 miles northeast, and Brock Elliot Elementary approximately 0.9 miles northeast. The nominal population growth due to the proposed project would not cause any significant increase of demand on the above listed schools in the area. According to Government Code Section 65996, the payment of development fees authorized by SB 50 are deemed to be full and complete school facilities mitigation. The Project would be required to pay mandated development fees for residential buildings. As such, impacts are anticipated to be less than significant impact.

iv) Parks?

Less Than Significant Impact. Parks in the local vicinity to the project site include, Bella Vista Park approximately 0.1 miles, Dutra Estates Park approximately 0.5 miles, Dutra Southeast Park approximately 0.3 miles, and Manteca Watershed by Costco located on the other side of SR 120 approximately 0.1 miles. Due to The Crossings proposed uses it is not anticipated that the project would create additional need for recreational facilities. The project itself does propose a picnic area/pocket park that customers could use. The project overall would only result in nominal population growth. Although the project would bring new residents to the general area, the use of surrounding parks and other facilities has been accounted for in the General Plan. The proposed mixed-use development would not significantly increase the demand of such services and a less than significant impact would occur.

v) *Other public facilities?*

Less Than Significant Impact. Other public facilities in the area such as health care, production, commercial, retail, residential, etc. would not be adversely impacted because the proposed Project is consistent with the City of Manteca and is consistent with City Zoning Maps. Therefore, impacts would be less than significant.

Cumulative Impacts

The Project is consistent with current General Plan and Zoning designations, the Project would not result in substantial incremental effects to public services or facilities that could be compounded or increased when considered together with similar effects from other past, present, and reasonably foreseeable Projects. The Project alone would not result in cumulatively considerable impacts to public services or facilities.

5.16 RECREATION

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impa ct
RECREATION.				
a) Would the project 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?			X	
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?			X	

a) *Would the project 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?*

Less Than Significant Impact. The closest existing neighborhood park is Bella Vista Park at 1580 Bella Terra Dr, Manteca, located in residential community just 0.1 miles south of the project site. Use to the nature of commercial uses proposed on The Crossings it is not likely to generate an increase in population that would use existing recreational facilities in the area. The proposed commercial uses on the Crossings project site include, a car wash, gas station, restaurants (sit down and drive through), hotel, grocery, etc. These uses do not lead to a population that would increase use in the surrounding area, such that substantial physical deterioration of recreational facilities would occur or be accelerated. Therefore, the project would have a less than significant impact.

b) *Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?*

Less Than Significant Impact. The Crossings project does propose a picnic area/pocket park in the center of the site along the northern boundary between shops G and F. The pocket park would be accessible by interior site walkways to encourage pedestrian activity within the multi-use commercial development. The park would be approximately 6,500 square feet and include a seating area with landscaping for passive recreational use. The proposed pocket park would not have a significant adverse physical effect on the environment, and therefore, potential impacts would be less than significant.

Cumulative Impacts

Development of the proposed Project is not anticipated to create a significant cumulative increase of recreational facilities, as the picnic area/pocket park is a minor area within The Crossings site

development footprint. The project additionally does not impact any existing recreation facilities and would create a substantial population increase to impact existing recreational facilities. Therefore, no cumulative impacts on recreational facilities would occur.

5.17 TRANSPORTATION

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
TRANSPORTATION. Would the project:				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?		X		
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?			X	
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			X	
d) Result in inadequate emergency access?			X	

a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less Than Significant With Mitigation Incorporated. Airport Way is a two-lane arterial road that passes through residential and agricultural uses. It is planned to be a four-lane facility. The Draft City of Manteca General Plan proposes a class I multi-use path along Airport Way near the SR 120 interchange. W. Atherton Dr. is a four-lane collector road that runs south of and parallel to SR 120. There is a class I bike path parallel to W. Atherton Drive. The roadway currently has sidewalks on the south side of the roadway where a single-family residential development is located. No marked crosswalks are available in the vicinity of the project. Manteca Transit Route 4 loop service runs along Airport Way from W. Woodward Ave. connecting Manteca Transit Center on Main St. The closest bus stop is located near the intersection of Airport Way and Peregrine St. within a quarter-mile of the project site. The project proposes six driveways along W. Atherton Drive and one right-in/right-out access point on Airport Way. The proposed site would utilize the existing sidewalk facility available on W. Atherton Drive and Airport Way and also provide pedestrian walkways to access the stores and parking spots.

A Preliminary Traffic Study was conducted and summarized in a technical memorandum prepared by TJKM. The study provides an overview on trip generation, site access, circulation, and potential impacts on nearby intersections. The report focuses on two study intersections; 1) the intersection at W. Atherton Dr and Airport Way and 2) the intersection at W. Atherton Way and Langum Way. The study multiple scenarios in the AM and PM peak hours to determine the potential project impacts associated with traffic:

- Existing Conditions
- Existing Conditions Plus Project Conditions
- Mitigated Conditions

Analysis of environmental impacts at the study intersections were based on the concept of Level of Service (LOS). LOS is measured on a scale from A to F, with A representing the best traffic conditions and F the worst. The City of Manteca’s General Plan establishes an LOS Standard that will guide street improvements in the City while meeting the City’s goals of developing an efficient circulation system that promotes travel via other modes. The General Plan requires a vehicular LOS of D or better at all streets and intersections, except in the Downtown area where right-of-way is limited, pedestrian, bicycle, and transit mobility are most important and vehicular LOS is not a consideration (City of Manteca, 2011). See *Table 21, Intersection LOS Analysis*.

Table 21: Intersection LOS Analysis

Study Intersection	Control	Peak Hour	Existing Condition LOS	Existing plus Project Conditions LOS
W. Atherton Dr. and Airport Way	All-Way Stop	A.M.	C	E
		P.M.	E	F
	Signal	A.M.		A
		P.M.		B
W. Atherton Dr. and Langum Way	One-Way Stop	A.M.	A	B
		P.M.	A	C
	Signal	A.M.		A
		P.M.		A

The report concludes that the study intersections, with the installation of traffic signals, both intersections function with an acceptable LOS. The project includes the construction of both traffic signals thus, the project is not expected to create any significant delays in levels of service at the study intersections or on pedestrian and bicycle access and circulation. Therefore, the proposed project would have a less than significant impact and no mitigation measures are required.

However, during construction, the predominant vehicle routes (for haul trucks) would follow either Airport Way from SR 120 and then turn onto W. Atherton Drive. The presence of large and slow-moving vehicles and construction equipment on streets in the vicinity of the project site may result

in potential hazards to motorists. Additionally, project construction activities may result in temporary lane closures along Airport Way and W. Atherton Drive.

Accordingly, mitigation is proposed requiring the project applicant to implement a Construction Traffic Control Plan during construction activities to minimize impacts on surrounding roadways and nearby parking areas, as provided under Mitigation Measure MM TRANS-1. With implementation of MM TRANS-1, potential impacts are considered less than significant.

MM TRANS-1: Prior to issuance of grading permits, the applicant shall submit a Construction Traffic Control Plan to the City of Manteca for review and approval. The plan shall identify the timing and routing of all major construction equipment and trucking to avoid potential traffic congestion and delays on the local street network. The plan shall encourage the use of SR 120, Airport Way, and W. Atherton Drive wherever practical. Anticipated temporary road closures should be identified, along with safety measures and detours. If necessary, construction equipment and materials deliveries shall be limited to off-peak hours to avoid conflicts with local traffic circulation. The plan shall also identify suitable locations for construction worker parking.

b) *Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?*

Less Than Significant Impact. CEQA Guidelines Section 15064.3 states that “vehicle miles traveled” (VMT) is the preferred metric evaluating transportation impacts, rather than LOS. VMT measures the total miles traveled by vehicles generated by a project. While LOS focuses on motor vehicle traffic, VMT accounts for the total environmental impact of a project on transportation, including use of travel modes such as buses or bicycles. Section 15064.3(b) sets forth the criteria for analyzing transportation impacts using the preferred VMT metric.

SB 743 is part of a long-standing policy effort by the California legislature to improve California’s sustainability and reduce greenhouse gas emissions through denser infill development, a reduction in single occupancy vehicles, improved mass transit, and other actions. Recognizing that the current environmental analysis techniques are, at times, encouraging development that is inconsistent with this vision, the legislature has taken the extraordinary step to change the basis of environmental analysis for transportation impacts from Level of Service (LOS) to Vehicle Miles Travelled (VMT). VMT is understood to be a good proxy for evaluating Greenhouse Gas (GHG) and other transportation related impacts that the State is actively trying to address. While the use of VMT to determine significant transportation impacts has only been considered recently, it is by no means a new performance metric and has long been used as a basis for transportation system evaluations and as an important metric for evaluating the performance of Travel Demand Models.

In January 2019, the Natural Resources Agency finalized updates to the CEQA Guidelines including the incorporation of SB 743 modifications. The Guidelines’ changes were approved by the Office of Administrative Law and are now in effect. Specific to SB 743, Section 15064.3(c) states, “A lead agency may elect to be governed by the provisions of this section immediately. The provisions apply statewide as of July 1, 2020.”

To help aid lead agencies with SB 743 implementation, the Governor’s Office of Planning and Research (OPR) produced the Technical Advisory on Evaluating Transportation Impacts in CEQA (December 2018) that provides guidance about the variety of implementation questions they face with respect to shifting to a VMT metric. Key guidance from this document includes:

- VMT is the most appropriate metric to evaluate a project’s transportation impact.
- OPR recommends tour- and trip-based travel models to estimate VMT, but ultimately defers to local agencies to determine the appropriate tools.
- OPR recommends measuring VMT for residential and office projects on a “per rate” basis.
- OPR states that by adding retail opportunities into the urban fabric and thereby improving retail destination proximity, local-serving retail development tends to shorten trips and reduce VMT. Generally, retail development including stores smaller than 50,000 square feet might be considered local serving.
- OPR recommends that where a project replaces existing VMT-generating land uses, if the replacement leads to a net overall decrease in VMT, the project would lead to a less-than-significant transportation impact. If the project leads to a net overall increase in VMT, then the thresholds described above should apply.
- Lead agencies have the discretion to set or apply their own significance thresholds.

The City of Manteca’s VMT thresholds consider the VMT performance of residential and non-residential components of a project separately, using the efficiency metrics of VMT per capita and VMT per employee, respectively. For retail components of a project, or other customer-focused uses, the citywide VMT change is analyzed. The City of Manteca’s VMT thresholds of significance are summarized below for each of these components:

- Residential – 15% below baseline (existing) average VMT per Capita
- Employment-based land uses (e.g., office) – 15% below baseline (existing) average VMT per Employee
- Customer-based non-residential land uses (e.g., retail) – No net increase in VMT

A Vehicle Miles Traveled (VMT) Assessment was prepared for The Crossings by Kimley-Horn in 2022. The study makes the following assumptions for the purposes of SB 743 analysis and to determine significance.

Retail less *than* 50,000 square feet (Shops A-H and Maverik Gas Station)

The Governor’s Office of Planning and Research’s *Technical Advisory on Evaluating Transportation Impacts in CEQA*¹⁵ specifically addresses some of the key issues surrounding how a local-serving retail store should be evaluated in terms of its VMT impact. As described, the threshold for

¹⁵ *Technical Advisory on Evaluating Transportation Impacts in CEQA*. Governor’s Office of Planning and Research. December 2018. Page 16.

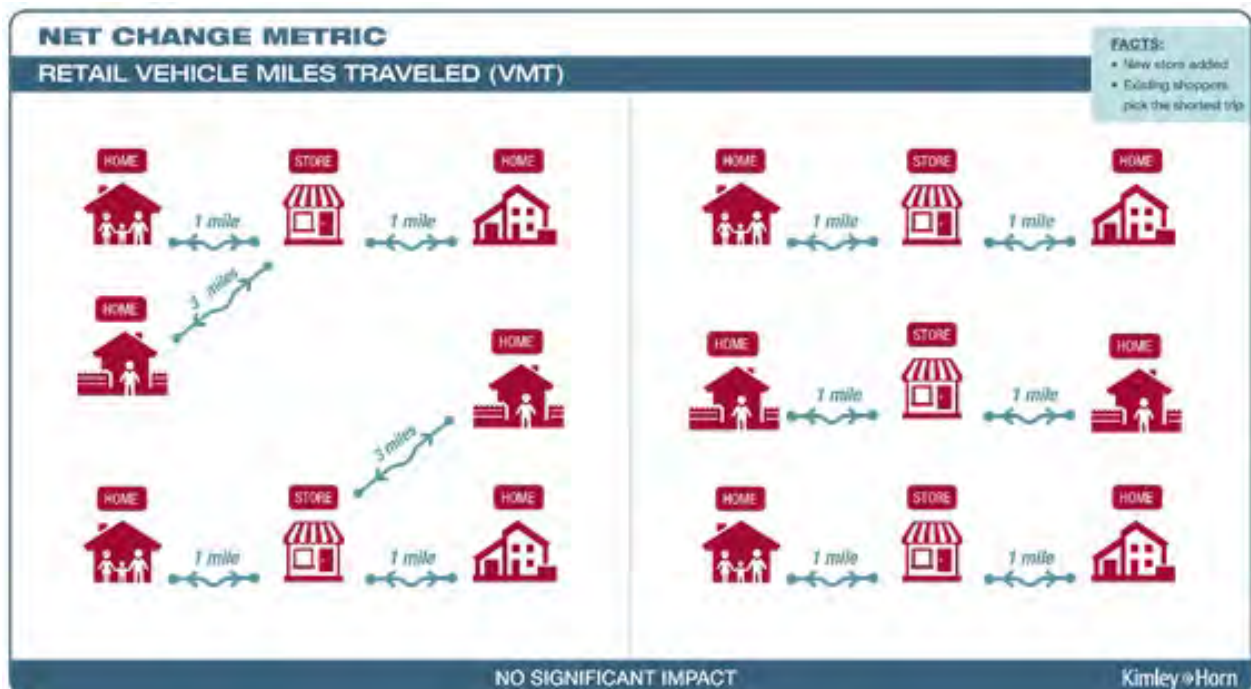
significance for retail uses is “a net increase.” This means that if a proposed retail use results in additional VMT, it would result in a finding of significance.

Local-serving retail primarily serves preexisting needs (i.e., it does not generate new trips because it meets existing demand). Because of this, local-serving retail uses can be presumed to reduce trip lengths when a new store is proposed. Essentially, the assumption is that someone will travel to a newly constructed local-serving store because of its proximity, rather than that the proposed retail store is fulfilling an unmet need (i.e., the person had an existing need that was met by the retail located farther away and is now traveling to the new retail use because it is closer to the person’s origin location). This results in a trip on the roadway network becoming shorter, rather than adding a new trip to the roadway network, which would result in an impact on the overall transportation system. Conversely, residential and office land uses often drive new trips, given that they introduce new participants to the transportation system.

The *Technical Advisory on Evaluating Transportation Impacts in CEQA* provides for a general threshold of 50,000 square feet per establishment as an indicator as to whether a retail store can be considered local-serving or not.

Exhibit 1 visually demonstrates the basis for this finding. Introducing a new retail store often has the effect of redistributing existing customer trips in a manner that reduces average trip lengths, thereby resulting in a VMT reduction (i.e., trip segments that were 3 miles before the new retail store are reduced to 1 mile with the addition of the new retail store). Therefore, it can be presumed that VMT related *impacts* from the proposed Shops A-H and Maverik Gas Station would be less than significant.

Exhibit 1: Vehicle Miles Traveled (VMT) by Land Use

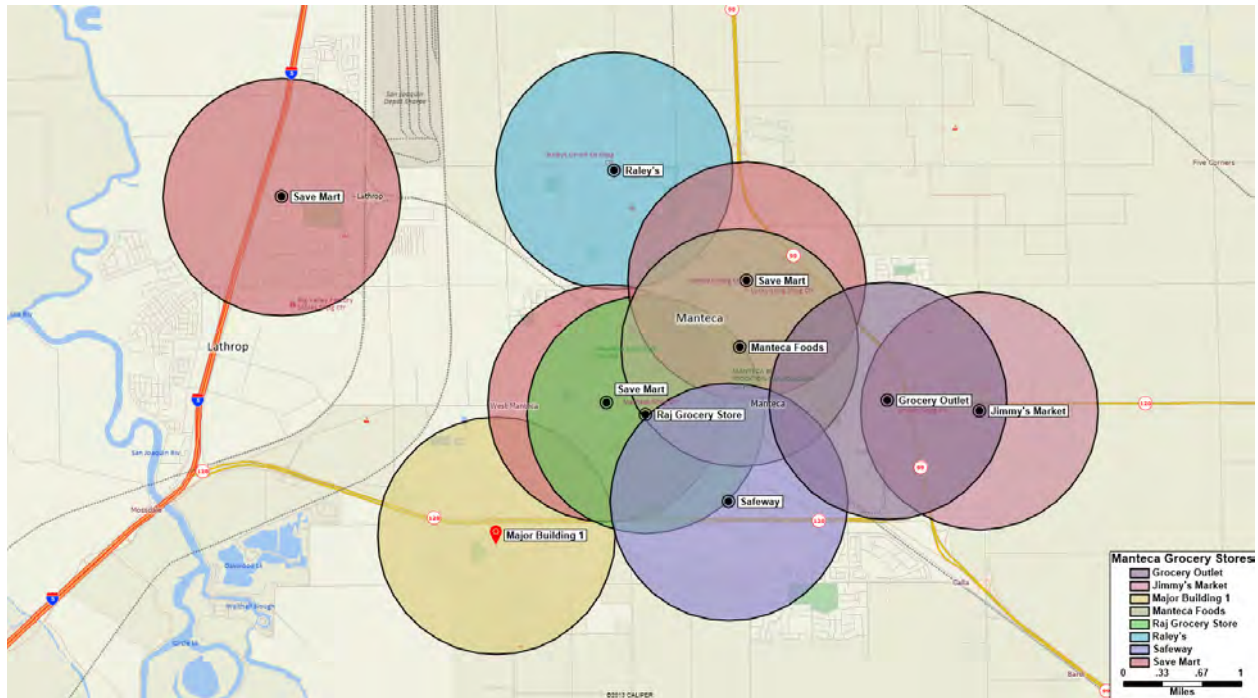


Retail greater than 50,000 square feet (Major Building 1)

Similar to other retail stores, grocery stores primarily serve pre-existing needs (it is assumed Major Building 1 would be a grocery store). The addition of a grocery store does not truly generate new trips that are added to the transportation system, it shortens existing trips. As such, this means that the impact to the transportation system would be reduced by the introduction of a new grocery store that is primarily local in its service focus.

As noted previously, the Technical Advisory provides for a general threshold of 50,000 square-feet as an indicator as to whether a commercial use can be considered local serving or not. As described above, this is an important consideration in terms of a VMT-related significant impact determination. While the proposed Major Building 1 would be 55,000 square-feet, 5,000 square-feet over the 50,000 square-foot indicator, with the lack of grocery stores in the area surrounding the proposed project, it is clearly local serving. The only competing option in the immediate area of the proposed project is the Costco, located on the opposite side of SR-120 to the north. The Costco would not be considered local-serving as it is approximately 150,000 square-feet, requires a membership which can be exclusionary to the general public, and has a customer base that is regional in nature.

The Technical Advisory also provides that a less than significant finding can be further substantiated by showing the proximity of other similar uses. Although a specific market study is not being provided as part of this memorandum, a map showing the proximity of other similar grocery stores is provided as **Exhibit 2**. A one-mile buffer was placed around the nine existing grocery stores in the area, as well as the proposed project, to visually represent the lack of overlapping service area between the proposed project and the existing stores. As shown in **Exhibit 2**, the proposed project, identified with a red icon, labeled "Major Building 1", and has beige buffer surrounding it, would reduce trip lengths by "adding grocery shopping opportunities into the local area, further improving retail destination proximity". Accordingly, it is appropriate that the proposed project development be presumed, in accordance with the Technical Advisory, that it would result in a VMT reduction and support the goals of SB 743. Overall, Major Building 1 can shorten existing trip lengths, which would result in a net decrease in VMT. Therefore, it is presumed that the VMT-related impact of Major Building 1 would be less than significant.

Exhibit 2: Proximity of Major Building 1 to Existing Grocery Stores**Hotel**

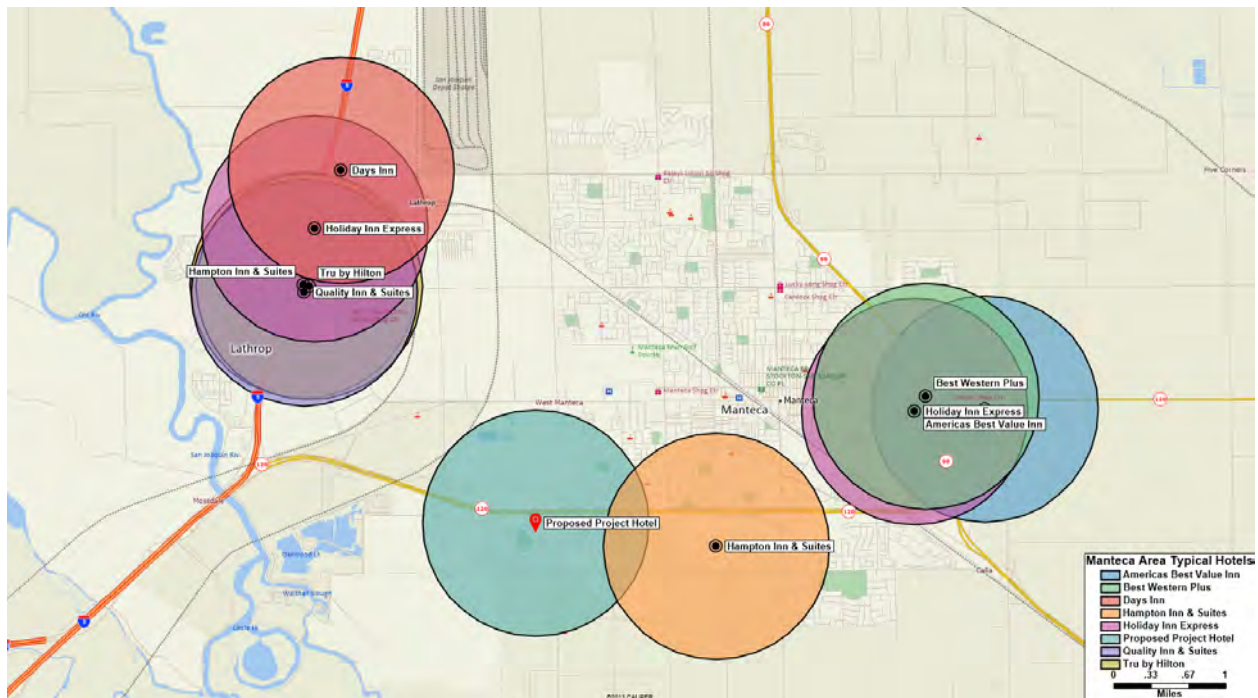
Similar to retail and grocery stores, typical hotels such as the proposed project most often serve pre-existing needs when their client-base is staying at the hotel not because of the amenities, but because of the area surrounding the hotel. Alternatively, destination hotels do not serve pre-existing needs as they offer special amenities that aren't offered elsewhere, and guests typically spend the majority of their time on the destination hotel property. The Great Wolf Lodge Manteca, which is connected to the Great Wolf Lodge Water Park is an example of a destination hotel.

The hotel component of the proposed project would be a typical hotel and it is likely that guests are choosing the hotel because they are traveling to Manteca for a variety of reasons such as business in the area, visiting family and friends, attending baseball tournaments at Big League Dreams Manteca, or visiting the water park across SR-120.

Typical hotels most often they can be presumed to reduce trip lengths when a new hotel is introduced within a cluster of existing hotels located near a local destination or attraction. Essentially, a trip to a hotel is expected to occur due to someone planning to travel to Manteca, or the immediate area, but the proximity of the hotel to the surrounding attractions would drive the length of that trip and the resultant impact to the overall transportation system. Most often this means that the impact to the transportation system would be negligible or reduced by the introduction of a new hotel to an area where people are already traveling and planning on staying unless the hotel significantly effects the local supply of rooms or introduces a significant new attraction.

As with Major Building 1, while a specific market study for the hotel component of the proposed project is not being provided as part of this memorandum, a map showing the proximity of other similar hotels is provided as **Exhibit 3: Proximity of Project Hotel to Existing Hotels**. A one-mile buffer was placed around the nine existing hotels in the area, as well as the proposed project, to visually represent the lack of overlapping service area between the proposed project and the existing hotels. As shown in **Exhibit 3**, the proposed project, identified with a red icon, labeled “Proposed Project Hotel”, and has teal buffer surrounding it, would reduce trip lengths by “adding hotel opportunities into the local area, further improving hotel destination proximity”. Accordingly, it is appropriate that the proposed project development be presumed, in accordance with the Technical Advisory, that it would result in a VMT reduction and support the goals of SB 743. Therefore, overall the proposed hotel would result in a net decrease in VMT and have a less than significant impact.

Exhibit 3: Proximity of Project Hotel to Existing Hotels



Therefore, all components of the proposed project would result in shorter trips and therefore lower VMT. The project would not conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b) and impacts would be less than significant.

- c) *Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?*

Less Than Significant Impact. Within the project site the proposed drive aisles would be of adequate size to provide sufficient space to accommodate standard auto traffic and, where needed, heavy vehicles. The service station is expected to serve both standard vehicles and trucks. Trucks are expected to use the first driveway off of W Atherton Dr to enter the fueling station and

exit through the driveway at the intersection with Langum Way, where they would be able to make a left turn to travel east toward Airport Way. The hotel driveway aisles would accommodate two cars driven parallel to each other. Enough space would be provided behind the major store for loading trucks to access the facility. The loading trucks for the major store/Grocery store would use the final driveway before the proposed hotel for entry. Since the trucks are expected to arrive/depart at off-peak hours, it won't impact the pedestrians accessing the major store. Three restaurants/coffee shops with drive-through windows would have enough space to queue outside the facility. The planned coffee shop is designed with double lane storage to accommodate a higher volume of queuing. The proposed project is not anticipated to increase hazards due to geometric design or incompatible use and impacts would be less than significant.

d) *Result in inadequate emergency access?*

Less Than Significant Impact. Emergency vehicle access would be maintained at all times throughout construction activities, in accordance with the City's routine/standard construction specifications. Further, construction activities would not impede emergency access to any local roadways or surrounding properties. All driveways and internal site access roads would be constructed to accommodate all emergency vehicles and personnel. Further emergency access discussion is located within Section 5.9, Hazards. Project impacts regarding emergency access would be less than significant.

Cumulative Impacts

The project would improve LOS at two intersections with the construction of signals and reduce VMT by shortening trips. Therefore, the proposed project would not result in incremental effects to transportation that could be compounded or increased when considered together with similar effects from other past, present, and reasonably foreseeable probable future projects. Potential impacts are not cumulatively considerable and less than significant.

5.18 TRIBAL CULTURAL RESOURCES

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
TRIBAL CULTURAL RESOURCES. Would the project:				
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: i) Listed or eligible for listing in the California:				
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)?		X		
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?		X		

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: i) Listed or eligible for listing in the California:*

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)?*

And,

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?

Less Than Significant With Mitigation Incorporated. A Cultural Resources Study for The Crossings Project site was conducted by Rincon Consultants, Inc. on February 2022. As previously mentioned, there were no historical resources found on-site, this is substantiated through a CHRIS records search, background research, review of historical topographic and aerial imagery, a Sacred Land File Search, and a pedestrian survey. However, the absence of substantial surface prehistoric or historic-period archeological remains within the project vicinity and the existing level of disturbance does not preclude the possibility of subsurface resources. Though the circumstances would present a low possibility, the following mitigation measure (MM) would reduce impacts in the unanticipated discovery of cultural resources during construction. With the implementation of MM CUL-1 and MM CUL-2, impacts would be less than significant.

The City has notified California Native American tribes who have formally requested notification on CEQA projects under Assembly Bill 52. These notification letters were distributed to identified Native American Tribes on November 15, 2021, with no response at this time. These letters are on file at the City of Manteca Community Development Department.

Impacts on tribal cultural resources are considered less than significant with mitigation.

Cumulative Impacts

The combination of the proposed project as well as past, present, and reasonably foreseeable projects in the local area would be required to comply with all applicable State, federal, and County and local regulations concerning preservation, salvage, or handling of cultural and paleontological resources, including compliance with required mitigation. Similar to the proposed project, these projects also would be required to implement and conform to mitigation measures, which would be likely to reduce impacts to less than significant. Although in the process of development, some known or unknown resources may be lost, it is not anticipated that these impacts would be cumulatively considerable. In addition, implementation of Mitigation Measures **MM CUL-1** and **MM CUL-2**, would reduce project-specific impacts to a less than significant level. Therefore, the project's contribution to cumulative impacts would be less than significant.

5.19 UTILITIES AND SERVICE SYSTEMS

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
UTILITIES AND SERVICE SYSTEMS. Would the project:				
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?			X	
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?			X	
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project’s projected demand in addition to the provider’s existing commitments?			X	
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?			X	
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			X	

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?*

And,

c) *Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project’s projected demand in addition to the provider’s existing commitments?*

Less Than Significant Impact. The proposed project would connect to the City’s existing water and sanitary sewer system. As part of this connection, the proposed project would not be required to

increase the size of existing water and sanitary sewer lines in order to serve the proposed project. The proposed project would be consistent with planned growth in the General Plan, in that it would be consistent with the type of development planned for this area in the General Plan. The City has sufficient capacity in its domestic water and sanitary sewer systems to accommodate development within the proposed project. Thus, the project would not require the extension of sewer mains, water lines, storm water drainage lines, or natural gas pipelines to the project site, as these lines are already available in W Atherton Dr. Only connecting lines from the project site to these existing facilities would be required. Electrical and telecommunication lines are available in the project vicinity and can be extended to the project site as necessary. The project does not propose the relocation of any existing utility lines or facilities. Project impacts would be less than significant.

b) *Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?*

Less Than Significant Impact. In 2016, the City adopted the City of Manteca 2015 UWMP, as required by the Urban Water Management Planning Act of 1983. The UWMP serves as a long-term planning document for sustainable water supply, and includes a description of water sources, historical and projected water use, and a comparison of water supply and demand during normal and dry years. The UWMP has identified regional water demand in normal, single dry, and multiple dry years in five-year increments. Water demand projections were based on buildout of the City’s General Plan. The UWMP indicates that the City would have up to approximately 30,680 acre-feet per year (AFY) for 2025 and 30,990 AFY for 2030 in a normal year (City of Manteca, 2016). *Table 22* and *Table 23* show the projected water supply and demand totals during a normal year and during a single dry year, respectively. *Table 24* shows the projected supply and demand totals under multiple dry year conditions for the first, second, and third years.

Table 22: Water Supply and Demand – Normal Year (AFY)

	2020	2025	2030	2035	2040
Supply Totals	23,100	30,680	30,990	31,390	31,250
Demand Totals	20,410	23,320	25,060	28,270	31,290
Difference	2,690	7,360	5,930	3,120	(-)40
NOTES: (-) indicates a negative value SOURCE: City of Manteca 2015 Urban Water Management Plan, July 2016					

Table 23: Water Supply and Demand – Single Dry Year (AFY)

	2020	2025	2030	2035	2040
Supply Totals	20,220	26,050	26,360	26,760	26,620
Demand Totals	20,410	23,320	25,060	28,270	31,290
Difference	(-)190	2,730	1,300	(-)1,510	(-)4,670
<p>NOTES:</p> <p>(-) indicates a negative value</p> <p>SOURCE: City of Manteca 2015 Urban Water Management Plan, July 2016</p>					

Table 24: Water Supply and Demand – Multiple Dry Years (AFY)

		2020	2025	2030	2035	2040
1 st Year	Supply Totals	21,580	28,230	28,540	28,940	28,800
	Demand Totals	20,410	23,320	25,060	28,270	31,290
	Difference	1,170	4,910	3,480	670	(-)2,590
2 nd Year	Supply Totals	21,850	28,670	28,980	29,380	29,240
	Demand Totals	20,410	23,320	25,060	28,270	31,290

	Difference	1,440	5,350	3,920	1,110	(-)2,050
3 rd Year	Supply Totals	21,280	27,760	28,070	28,470	28,330
	Demand Totals	20,410	23,320	25,060	28,270	31,290
	Difference	870	4,440	3,010	200	(-)2,960
<p>NOTES:</p> <p>(-) indicates a negative value</p> <p>SOURCE: City of Manteca 2015 Urban Water Management Plan, July 2016</p>						

Based on the above, the City of Manteca anticipates a water supply shortage by 2040 in multiple-dry years. However, as described in the UWMP, three water supply options were identified to address future water supply shortfalls:

1. Reclaimed water: The City can develop their recycled water infrastructure to offset the groundwater used for park irrigation with reclaimed water. The quantity of groundwater replaced by recycled water can then be used for potable municipal uses, while staying within the sustainable yield constraints of 1 AFY/Ac.
2. Additional untreated surface water: As the City annexes areas, the raw water that irrigated the annexed lands could either be treated for potable municipal uses or used to offset the potable water used for irrigation.
3. Additional treated surface water: The City could negotiate and obtain additional potable water supply from the South County Water Supply Program.

Inclusion of the above water supply options as well as implementation of the City’s Water Shortage Contingency Plan would ensure that adequate water supplies are available to serve buildout of the General plan. Therefore, projected water supplies would be sufficient to satisfy water demands associated with the proposed project while still meeting the current and projected water demands of existing customers within the service area. Impacts would be less than significant.

- 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?*

And,

- e) *Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?*

Less Than Significant Impact. The City of Manteca Solid Waste Division (SWD) provides solid waste hauling service for the City of Manteca and would serve the proposed project. The nearest landfill to the project site is approximately 7.5 miles to the northeast of the project site. Solid waste is collected by the City and deposited at the Forward Landfill. Recyclables are taken to a mini transfer station adjacent to the Forward Landfill where they are subsequently put into transfer trucks and hauled to Sacramento Recycling in Sacramento. According to Cal Recycle, the Forward Landfill has a closure date of 2053 and is currently operating at 50% capacity. The proposed project would be consistent with planned growth in the Manteca 2023 General Plan, in that it would be consistent with the type of development planned for this area in the Manteca 2023 General Plan. Therefore, the proposed project's waste generation has already been addressed in the Manteca 2023 General Plan EIR. Therefore, the capacity identified in the Manteca 2023 General Plan EIR, is more than sufficient to serve the proposed project. Because the Forward Landfill has adequate capacity for the construction and operation of the Proposed Project would have a less than significant impact.

The proposed project would not interfere with regulations related to solid waste or generate waste in excess of the capacity of local infrastructure. The proposed project would have a less than significant impact in this regard.

Cumulative Impacts

Utilities are generally provided or delivered on a local level but often originate from sources outside of the City as part of a regional distribution system. Similar to the project, other projects within the City would be required to adhere to the Standard Conditions of Approval related to water efficiency, utilities services and plans, and drainage. As shown above a cumulative analysis of water supply and demand was identified for multiple water years. With the inclusion of the additional water supply options and the City's Water Shortage Contingency Plan. Therefore, implementation of the project would not result in a cumulatively considerable contribution to impacts on water supply and wastewater, stormwater, or solid waste generation.

The coordination process associated with the preparation of development and infrastructure plans is intended to ensure that adequate resources are available to serve both individual projects and cumulative demand for resources and infrastructure as a result of cumulative growth and development in the area. Individual projects are subject to review for utility capacity to avoid unanticipated interruptions in service or inadequate supplies. Other planned projects are subject to connection and service fees to assist in facility expansion and service improvements triggered by an increase in demand. The proposed project would not result in incremental impacts to utilities or service systems, that taken in sum with past, present, and reasonably foreseeable projects, would not result in significant cumulative utility impacts.

5.20 WILDFIRE

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
WILDFIRE. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?			X	
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?			X	
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?			X	
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?			X	

a) *Substantially impair an adopted emergency response plan or emergency evacuation plan?*

Less Than Significant Impact. The Project site is not located in or near a LRA or SRA, nor is the site designated as a VHFHSZ. Additionally, the Project would comply with all local regulations related to emergency access/evacuation. As such, a less than significant impact would occur in this regard.

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?*

Less Than Significant Impact. Refer to the previous response a).

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?*

Less Than Significant Impact. The project includes standard infrastructure, including roadways, utilities, and fire suppression systems. All of this infrastructure is designed to reduce the risk of fire. Following compliance with the established local and state regulatory framework discussed

above, the project would not expose people or structures to a significant risk involving wildland fires and impacts would be less than significant in this regard.

- 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?*

Less Than Significant Impact. The Project site is not in a VHFHSZ nor located near steep slopes or hillsides. The Project would implement efficient landscape maintenance practices and design measures to decrease the release of stormwater running off the site; therefore, the Proposed project site would not expose people to downstream flooding or landslides as a result of runoff. Impacts would be less than significant.

Cumulative Impacts

The proposed Project area is not subject to natural wildfire areas. Consequently, Project implementation would not create a significant cumulative impact that would exacerbate wildfires. Impacts would be less than significant.

5.21 MANDATORY FINDINGS OF SIGNIFICANCE

ENVIRONMENTAL IMPACTS Issues	Potentially Significant Issues	Less Than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
21. MANDATORY FINDINGS OF SIGNIFICANCE. Does the project:				
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?		X		
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a 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)?			X	
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X	

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?*

Less Than Significant With Mitigation Incorporated. This Initial Study includes an analysis of the project impacts associated with aesthetics, agricultural and forest resources, air quality, biological resources, cultural resources, energy, geology and soils, greenhouse gas emissions, hazards and hazardous materials, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation and traffic, tribal cultural resources, and utilities and service systems. The analysis covers a broad spectrum of topics relative to the potential for the proposed project to have environmental impacts. This includes the potential for the proposed project 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, 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. It was found that the proposed project would have either no impact, a less than significant impact, or a less than significant impact with the implementation of mitigation measures. For the reasons presented throughout this Initial Study, 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, 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. With the implementation of mitigation measures presented in this Initial Study, the proposed project would have a less than significant impact relative to this topic. Therefore, this project has been determined not to meet this Mandatory Finding of Significance.

- b) *Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a 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)?*

Less Than Significant Impact. Per the criteria for evaluating environmental impacts in this Initial Study, the potential for adverse cumulative effects were considered in the response to each question in sections 1 through 21 of this checklist. In addition to project specific impacts, this evaluation considered the project's potential for incremental effects that are cumulatively considerable. As a result of this initial study, no cumulative effects associated with the proposed project have been identified. Therefore, this project has been determined not to meet this Mandatory Finding of Significance.

- c) *Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?*

Less Than Significant Impact. Potential adverse project effects on human beings were discussed in Section 5.3, Air Quality; Section 5.7, Geology and Soils (seismic hazards); Section 5.9, Hazards and Hazardous Materials; Section 5.10, Hydrology and Water Quality (flooding); Section 5.17, Transportation (traffic hazards); and Section 5.20, Wildfire. For most aspects of these issues, no potential adverse effects on human beings were identified. Potential adverse effects that were identified would be reduced to levels considered less than significant through compliance with applicable laws, regulations, and City ordinances and standards, along with mitigation measures where necessary. Therefore, this project has been determined not to meet this Mandatory Finding of Significance.

6.0 REFERENCES

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APPENDIX A
AIR QUALITY MODELING DATA

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Maverik Manteca
San Joaquin County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Convenience Market with Gas Pumps	6.10	1000sqft	0.14	6,100.00	0
Fast Food Restaurant with Drive Thru	8.95	1000sqft	0.21	8,950.00	0
Supermarket	55.00	1000sqft	1.26	55,000.00	0
Automobile Care Center	2.00	1000sqft	0.05	2,000.00	0
Hotel	125.00	Room	4.17	181,500.00	0
Regional Shopping Center	32.70	1000sqft	0.75	32,700.00	0
Parking Lot	664.00	Space	5.98	265,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	51
Climate Zone	2			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per construction timeline

Off-road Equipment - Anticipated Construction equipment

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading -

Demolition -

Vehicle Trips - Per Trip Generation table

Construction Off-road Equipment Mitigation - Per SJVAPCD regulations

Water Mitigation -

Waste Mitigation - Per AB 939

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	85.00
tblConstructionPhase	NumDays	300.00	280.00
tblConstructionPhase	PhaseEndDate	2/9/2024	12/29/2023
tblConstructionPhase	PhaseEndDate	12/15/2023	11/17/2023
tblConstructionPhase	PhaseEndDate	1/12/2024	12/15/2023
tblConstructionPhase	PhaseStartDate	1/13/2024	9/4/2023
tblConstructionPhase	PhaseStartDate	12/16/2023	11/20/2023
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	ST_TR	23.72	62.55
tblVehicleTrips	ST_TR	624.20	288.74
tblVehicleTrips	ST_TR	616.12	213.49
tblVehicleTrips	ST_TR	8.19	7.20
tblVehicleTrips	ST_TR	46.12	49.02
tblVehicleTrips	ST_TR	177.62	84.45
tblVehicleTrips	SU_TR	11.88	62.55
tblVehicleTrips	SU_TR	624.20	588.74
tblVehicleTrips	SU_TR	472.58	213.49

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	SU_TR	5.95	7.20
tblVehicleTrips	SU_TR	21.10	49.02
tblVehicleTrips	SU_TR	166.47	84.45
tblVehicleTrips	WD_TR	23.72	62.55
tblVehicleTrips	WD_TR	624.20	288.74
tblVehicleTrips	WD_TR	470.95	213.49
tblVehicleTrips	WD_TR	8.36	7.20
tblVehicleTrips	WD_TR	37.75	49.02
tblVehicleTrips	WD_TR	106.78	84.45

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2022	4.1163	44.1568	31.3392	0.0703	19.8049	1.8031	21.4182	10.1417	1.6588	11.6259	0.0000	6,813.6333	6,813.6333	2.1574	0.3523	6,869.1458
2023	50.8006	20.3260	25.3615	0.0657	2.7951	0.8065	3.6016	0.7552	0.7633	1.5185	0.0000	6,562.5177	6,562.5177	0.7441	0.3456	6,682.8402
Maximum	50.8006	44.1568	31.3392	0.0703	19.8049	1.8031	21.4182	10.1417	1.6588	11.6259	0.0000	6,813.6333	6,813.6333	2.1574	0.3523	6,869.1458

Mitigated Construction

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	lb/day										lb/day					
2022	4.1163	44.1568	31.3392	0.0703	8.5435	1.8031	10.1569	4.3561	1.6588	5.8404	0.0000	6,813.6333	6,813.6333	2.1574	0.3523	6,869.1458
2023	50.8006	20.3260	25.3615	0.0657	2.6550	0.8065	3.4616	0.7209	0.7633	1.4841	0.0000	6,562.5177	6,562.5177	0.7441	0.3456	6,682.8402
Maximum	50.8006	44.1568	31.3392	0.0703	8.5435	1.8031	10.1569	4.3561	1.6588	5.8404	0.0000	6,813.6333	6,813.6333	2.1574	0.3523	6,869.1458

	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
Percent Reduction	0.00	0.00	0.00	0.00	50.45	0.00	45.57	53.41	0.00	44.28	0.00	0.00	0.00	0.00	0.00	0.00

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	lb/day										lb/day					
Area	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084
Energy	0.2479	2.2531	1.8926	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330
Mobile	24.3289	29.8652	187.4868	0.2950	28.8090	0.2699	29.0789	7.6850	0.2525	7.9374		30,339.4996	30,339.4996	3.0306	2.1802	31,064.9707

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	31.9258	32.1192	189.4707	0.3085	28.8090	0.4415	29.2504	7.6850	0.4240	8.1090		33,043.4610	33,043.4610	3.0830	2.2298	33,785.0121
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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	lb/day										lb/day					
Area	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084
Energy	0.2479	2.2531	1.8926	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330
Mobile	24.3289	29.8652	187.4868	0.2950	28.8090	0.2699	29.0789	7.6850	0.2525	7.9374		30,339.4996	30,339.4996	3.0306	2.1802	31,064.9707
Total	31.9258	32.1192	189.4707	0.3085	28.8090	0.4415	29.2504	7.6850	0.4240	8.1090		33,043.4610	33,043.4610	3.0830	2.2298	33,785.0121

	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
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	Demolition	8/1/2022	8/26/2022	5	20	

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2	Site Preparation	Site Preparation	8/27/2022	9/9/2022	5	10
3	Grading	Grading	9/10/2022	10/21/2022	5	30
4	Building Construction	Building Construction	10/22/2022	11/17/2023	5	280
5	Paving	Paving	11/20/2023	12/15/2023	5	20
6	Architectural Coating	Architectural Coating	9/4/2023	12/29/2023	5	85

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 105

Acres of Paving: 5.98

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 429,375; Non-Residential Outdoor: 143,125; Striped Parking Area: 15,936

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	87	0.73
Building Construction	Cranes	1	7.00	237	0.29
Demolition	Excavators	3	8.00	156	0.38
Grading	Excavators	2	8.00	156	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	2	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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	6	15.00	0.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	222.00	90.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2022

Unmitigated Construction On-Site

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	lb/day										lb/day					
Fugitive Dust					0.1100	0.0000	0.1100	0.0167	0.0000	0.0167			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.1100	1.2427	1.3526	0.0167	1.1553	1.1719		3,746.7812	3,746.7812	1.0524		3,773.0920

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	lb/day										lb/day					
Hauling	1.8700e-003	0.0783	0.0147	3.1000e-004	8.7600e-003	7.7000e-004	9.5300e-003	2.4000e-003	7.4000e-004	3.1400e-003		32.6127	32.6127	2.3000e-004	5.1300e-003	34.1469
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
Worker	0.0498	0.0363	0.3756	1.0300e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		104.9634	104.9634	3.7700e-003	3.4500e-003	106.0865
Total	0.0517	0.1146	0.3903	1.3400e-003	0.1320	1.4000e-003	0.1334	0.0351	1.3200e-003	0.0364		137.5760	137.5760	4.0000e-003	8.5800e-003	140.2333

Mitigated Construction On-Site

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	lb/day										lb/day					
Fugitive Dust					0.0470	0.0000	0.0470	7.1200e-003	0.0000	7.1200e-003			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	0.0470	1.2427	1.2897	7.1200e-003	1.1553	1.1624	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

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	lb/day										lb/day					
Hauling	1.8700e-003	0.0783	0.0147	3.1000e-004	8.3600e-003	7.7000e-004	9.1300e-003	2.3000e-003	7.4000e-004	3.0400e-003		32.6127	32.6127	2.3000e-004	5.1300e-003	34.1469
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
Worker	0.0498	0.0363	0.3756	1.0300e-003	0.1168	6.3000e-004	0.1174	0.0311	5.8000e-004	0.0317		104.9634	104.9634	3.7700e-003	3.4500e-003	106.0865
Total	0.0517	0.1146	0.3903	1.3400e-003	0.1252	1.4000e-003	0.1266	0.0334	1.3200e-003	0.0347		137.5760	137.5760	4.0000e-003	8.5800e-003	140.2333

3.3 Site Preparation - 2022

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655

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	lb/day										lb/day					
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
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
Worker	0.0598	0.0436	0.4507	1.2400e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		125.9560	125.9560	4.5300e-003	4.1400e-003	127.3038
Total	0.0598	0.0436	0.4507	1.2400e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		125.9560	125.9560	4.5300e-003	4.1400e-003	127.3038

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Fugitive Dust					8.4034	0.0000	8.4034	4.3188	0.0000	4.3188			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	8.4034	1.6126	10.0159	4.3188	1.4836	5.8024	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

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	lb/day										lb/day					
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
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
Worker	0.0598	0.0436	0.4507	1.2400e-003	0.1402	7.5000e-004	0.1409	0.0373	6.9000e-004	0.0380		125.9560	125.9560	4.5300e-003	4.1400e-003	127.3038
Total	0.0598	0.0436	0.4507	1.2400e-003	0.1402	7.5000e-004	0.1409	0.0373	6.9000e-004	0.0380		125.9560	125.9560	4.5300e-003	4.1400e-003	127.3038

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 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	lb/day										lb/day					
Fugitive Dust					9.7338	0.0000	9.7338	3.7110	0.0000	3.7110			0.0000			0.0000
Off-Road	4.0398	44.1011	30.7633	0.0687		1.8021	1.8021		1.6579	1.6579		6,652.6895	6,652.6895	2.1516		6,706.4798
Total	4.0398	44.1011	30.7633	0.0687	9.7338	1.8021	11.5359	3.7110	1.6579	5.3689		6,652.6895	6,652.6895	2.1516		6,706.4798

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	lb/day										lb/day					
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
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
Worker	0.0764	0.0557	0.5759	1.5800e-003	0.1889	9.6000e-004	0.1899	0.0501	8.8000e-004	0.0510		160.9438	160.9438	5.7800e-003	5.2900e-003	162.6659
Total	0.0764	0.0557	0.5759	1.5800e-003	0.1889	9.6000e-004	0.1899	0.0501	8.8000e-004	0.0510		160.9438	160.9438	5.7800e-003	5.2900e-003	162.6659

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Fugitive Dust					4.1612	0.0000	4.1612	1.5865	0.0000	1.5865			0.0000			0.0000
Off-Road	4.0398	44.1011	30.7633	0.0687		1.8021	1.8021		1.6579	1.6579	0.0000	6,652.6895	6,652.6895	2.1516		6,706.4798
Total	4.0398	44.1011	30.7633	0.0687	4.1612	1.8021	5.9633	1.5865	1.6579	3.2444	0.0000	6,652.6895	6,652.6895	2.1516		6,706.4798

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	lb/day										lb/day					
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
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
Worker	0.0764	0.0557	0.5759	1.5800e-003	0.1791	9.6000e-004	0.1801	0.0477	8.8000e-004	0.0486		160.9438	160.9438	5.7800e-003	5.2900e-003	162.6659

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0764	0.0557	0.5759	1.5800e-003	0.1791	9.6000e-004	0.1801	0.0477	8.8000e-004	0.0486		160.9438	160.9438	5.7800e-003	5.2900e-003	162.6659
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3.5 Building 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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	lb/day										lb/day					
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
Vendor	0.1878	5.0654	1.3950	0.0188	0.6099	0.0545	0.6645	0.1756	0.0522	0.2278		1,987.0835	1,987.0835	0.0140	0.3012	2,077.2021
Worker	0.7377	0.5378	5.5590	0.0153	1.8237	9.2800e-003	1.8330	0.4837	8.5400e-003	0.4923		1,553.4578	1,553.4578	0.0558	0.0511	1,570.0800

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.9255	5.6032	6.9540	0.0341	2.4336	0.0638	2.4974	0.6593	0.0607	0.7200		3,540.5413	3,540.5413	0.0698	0.3523	3,647.2820
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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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	lb/day										lb/day					
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
Vendor	0.1878	5.0654	1.3950	0.0188	0.5839	0.0545	0.6384	0.1692	0.0522	0.2214		1,987.0835	1,987.0835	0.0140	0.3012	2,077.2021
Worker	0.7377	0.5378	5.5590	0.0153	1.7286	9.2800e-003	1.7379	0.4604	8.5400e-003	0.4689		1,553.4578	1,553.4578	0.0558	0.0511	1,570.0800

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.9255	5.6032	6.9540	0.0341	2.3124	0.0638	2.3763	0.6296	0.0607	0.6903		3,540.5413	3,540.5413	0.0698	0.3523	3,647.2820
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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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	lb/day										lb/day					
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
Vendor	0.0923	4.0760	1.1937	0.0181	0.6099	0.0255	0.6354	0.1756	0.0244	0.2000		1,913.5487	1,913.5487	0.2500e-003	0.2894	2,000.0175
Worker	0.6787	0.4691	5.1016	0.0148	1.8237	8.7500e-003	1.8324	0.4837	8.0500e-003	0.4918		1,512.5303	1,512.5303	0.0501	0.0469	1,527.7503

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.7710	4.5452	6.2952	0.0329	2.4336	0.0343	2.4679	0.6593	0.0325	0.6918		3,426.0790	3,426.0790	0.0593	0.3363	3,527.7678
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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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	lb/day										lb/day					
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
Vendor	0.0923	4.0760	1.1937	0.0181	0.5839	0.0255	0.6094	0.1692	0.0244	0.1936		1,913.5487	1,913.5487	0.2500e-003	0.2894	2,000.0175
Worker	0.6787	0.4691	5.1016	0.0148	1.7286	8.7500e-003	1.7373	0.4604	8.0500e-003	0.4684		1,512.5303	1,512.5303	0.0501	0.0469	1,527.7503

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.7710	4.5452	6.2952	0.0329	2.3124	0.0343	2.3467	0.6296	0.0325	0.6621		3,426.0790	3,426.0790	0.0593	0.3363	3,527.7678
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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	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8161	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	lb/day										lb/day					
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
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

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	0.0459	0.0317	0.3447	1.0000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		102.1980	102.1980	3.3800e-003	3.1700e-003	103.2264
Total	0.0459	0.0317	0.3447	1.0000e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		102.1980	102.1980	3.3800e-003	3.1700e-003	103.2264

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	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.8161	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

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	lb/day										lb/day					
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

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.0459	0.0317	0.3447	1.0000e-003	0.1168	5.9000e-004	0.1174	0.0311	5.4000e-004	0.0317		102.1980	102.1980	3.3800e-003	3.1700e-003	103.2264
Total	0.0459	0.0317	0.3447	1.0000e-003	0.1168	5.9000e-004	0.1174	0.0311	5.4000e-004	0.0317		102.1980	102.1980	3.3800e-003	3.1700e-003	103.2264

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	lb/day										lb/day					
Archit. Coating	48.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	48.3223	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	lb/day										lb/day					

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	0.1345	0.0930	1.0111	2.9300e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975		299.7808	299.7808	9.9200e-003	9.2900e-003	302.7974
Total	0.1345	0.0930	1.0111	2.9300e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975		299.7808	299.7808	9.9200e-003	9.2900e-003	302.7974

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	lb/day										lb/day					
Archit. Coating	48.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	48.3223	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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
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Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day					
	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	0.1345	0.0930	1.0111	2.9300e-003	0.3426	1.7300e-003	0.3443	0.0913	1.6000e-003	0.0928		299.7808	299.7808	9.9200e-003	9.2900e-003	302.7974
Total	0.1345	0.0930	1.0111	2.9300e-003	0.3426	1.7300e-003	0.3443	0.0913	1.6000e-003	0.0928		299.7808	299.7808	9.9200e-003	9.2900e-003	302.7974

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Category	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
	lb/day										lb/day					
Mitigated	24.3289	29.8652	187.4868	0.2950	28.8090	0.2699	29.0789	7.6850	0.2525	7.9374		30,339.4996	30,339.4996	3.0306	2.1802	31,064.9707
Unmitigated	24.3289	29.8652	187.4868	0.2950	28.8090	0.2699	29.0789	7.6850	0.2525	7.9374		30,339.4996	30,339.4996	3.0306	2.1802	31,064.9707

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	125.10	125.10	125.10	124,623	124,623

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Convenience Market with Gas Pumps	1,761.31	1,761.31	3591.31	1,085,008	1,085,008
Fast Food Restaurant with Drive Thru	1,910.74	1,910.74	1910.74	1,785,248	1,785,248
Hotel	900.00	900.00	900.00	1,709,938	1,709,938
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	1,602.95	1,602.95	1602.95	2,810,467	2,810,467
Supermarket	4,644.75	4,644.75	4644.75	5,283,141	5,283,141
Total	10,944.85	10,944.85	12,774.85	12,798,424	12,798,424

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
Convenience Market with Gas	9.50	7.30	7.30	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.0037
Convenience Market with Gas Pumps	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.0037
Fast Food Restaurant with Drive Thru	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.0037
Hotel	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.0037
Parking Lot	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.0037
Regional Shopping Center	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.0037
Supermarket	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.0037

5.0 Energy Detail

Historical Energy Use: N

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
NaturalGas Mitigated	0.2479	2.2531	1.8926	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330
NaturalGas Unmitigated	0.2479	2.2531	1.8926	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330

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	lb/day										lb/day					
Automobile Care Center	101.096	1.0900e-003	9.9100e-003	8.3300e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8936	11.8936	2.3000e-004	2.2000e-004	11.9643
Convenience Market with Gas Pumps	193.529	2.0900e-003	0.0190	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003		22.7681	22.7681	4.4000e-004	4.2000e-004	22.9034
Fast Food Restaurant with Drive Thru	2672.98	0.0288	0.2621	0.2201	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.4688	314.4688	6.0300e-003	5.7700e-003	316.3376
Hotel	13157.5	0.1419	1.2900	1.0836	7.7400e-003		0.0980	0.0980		0.0980	0.0980		1,547.9420	1,547.9420	0.0297	0.0284	1,557.1406

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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
Regional Shopping Center	1037.44	0.0112	0.1017	0.0854	6.1000e-004		7.7300e-003	7.7300e-003		7.7300e-003	7.7300e-003		122.0519	122.0519	2.3400e-003	2.2400e-003	122.7772
Supermarket	5819.45	0.0628	0.5705	0.4793	3.4200e-003		0.0434	0.0434		0.0434	0.0434		684.6414	684.6414	0.0131	0.0126	688.7099
Total		0.2479	2.2531	1.8927	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330

Mitigated

	Natural Gas 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	lb/day										lb/day					
Automobile Care Center	0.101096	1.0900e-003	9.9100e-003	8.3300e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8936	11.8936	2.3000e-004	2.2000e-004	11.9643
Convenience Market with Gas Pumps	0.193529	2.0900e-003	0.0190	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003		22.7681	22.7681	4.4000e-004	4.2000e-004	22.9034
Fast Food Restaurant with Drive Thru	2.67298	0.0288	0.2621	0.2201	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.4688	314.4688	6.0300e-003	5.7700e-003	316.3376
Hotel	13.1575	0.1419	1.2900	1.0836	7.7400e-003		0.0980	0.0980		0.0980	0.0980		1,547.9420	1,547.9420	0.0297	0.0284	1,557.1406
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
Regional Shopping Center	1.03744	0.0112	0.1017	0.0854	6.1000e-004		7.7300e-003	7.7300e-003		7.7300e-003	7.7300e-003		122.0519	122.0519	2.3400e-003	2.2400e-003	122.7772
Supermarket	5.81945	0.0628	0.5705	0.4793	3.4200e-003		0.0434	0.0434		0.0434	0.0434		684.6414	684.6414	0.0131	0.0126	688.7099
Total		0.2479	2.2531	1.8927	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Mitigated	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084
Unmitigated	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084

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	lb/day										lb/day					
Architectural Coating	1.1209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2198					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.4500e-003	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084
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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	lb/day										lb/day					
Architectural Coating	1.1209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2198					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.4500e-003	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004			0.1956	0.1956	5.1000e-004	0.2084
Total	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004			0.1956	0.1956	5.1000e-004	0.2084

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Maverik Manteca - San Joaquin County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Maverik Manteca
San Joaquin County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Convenience Market with Gas Pumps	6.10	1000sqft	0.14	6,100.00	0
Fast Food Restaurant with Drive Thru	8.95	1000sqft	0.21	8,950.00	0
Supermarket	55.00	1000sqft	1.26	55,000.00	0
Automobile Care Center	2.00	1000sqft	0.05	2,000.00	0
Hotel	125.00	Room	4.17	181,500.00	0
Regional Shopping Center	32.70	1000sqft	0.75	32,700.00	0
Parking Lot	664.00	Space	5.98	265,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	51
Climate Zone	2			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per construction timeline

Off-road Equipment - Anticipated Construction equipment

Grading -

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition -

Vehicle Trips - Per Trip Generation table

Construction Off-road Equipment Mitigation - Per SJVAPCD regulations

Water Mitigation -

Waste Mitigation - Per AB 939

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	85.00
tblConstructionPhase	NumDays	300.00	280.00
tblConstructionPhase	PhaseEndDate	2/9/2024	12/29/2023
tblConstructionPhase	PhaseEndDate	12/15/2023	11/17/2023
tblConstructionPhase	PhaseEndDate	1/12/2024	12/15/2023
tblConstructionPhase	PhaseStartDate	1/13/2024	9/4/2023
tblConstructionPhase	PhaseStartDate	12/16/2023	11/20/2023
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	ST_TR	23.72	62.55
tblVehicleTrips	ST_TR	624.20	288.74
tblVehicleTrips	ST_TR	616.12	213.49
tblVehicleTrips	ST_TR	8.19	7.20
tblVehicleTrips	ST_TR	46.12	49.02
tblVehicleTrips	ST_TR	177.62	84.45
tblVehicleTrips	SU_TR	11.88	62.55
tblVehicleTrips	SU_TR	624.20	588.74
tblVehicleTrips	SU_TR	472.58	213.49
tblVehicleTrips	SU_TR	5.95	7.20

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	SU_TR	21.10	49.02
tblVehicleTrips	SU_TR	166.47	84.45
tblVehicleTrips	WD_TR	23.72	62.55
tblVehicleTrips	WD_TR	624.20	288.74
tblVehicleTrips	WD_TR	470.95	213.49
tblVehicleTrips	WD_TR	8.36	7.20
tblVehicleTrips	WD_TR	37.75	49.02
tblVehicleTrips	WD_TR	106.78	84.45

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2022	4.1215	44.1471	31.4066	0.0705	19.8049	1.8031	21.4182	10.1417	1.6588	11.6259	0.0000	6,830.8695	6,830.8695	2.1567	0.3457	6,886.1743
2023	50.8597	19.9645	25.9996	0.0676	2.7951	0.8065	3.6015	0.7552	0.7632	1.5184	0.0000	6,752.2797	6,752.2797	0.7425	0.3380	6,870.1799
Maximum	50.8597	44.1471	31.4066	0.0705	19.8049	1.8031	21.4182	10.1417	1.6588	11.6259	0.0000	6,830.8695	6,830.8695	2.1567	0.3457	6,886.1743

Mitigated Construction

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	lb/day										lb/day					
2022	4.1215	44.1471	31.4066	0.0705	8.5435	1.8031	10.1569	4.3561	1.6588	5.8404	0.0000	6,830.8695	6,830.8695	2.1567	0.3457	6,886.1743
2023	50.8597	19.9645	25.9996	0.0676	2.6550	0.8065	3.4615	0.7209	0.7632	1.4841	0.0000	6,752.2797	6,752.2797	0.7425	0.3380	6,870.1799
Maximum	50.8597	44.1471	31.4066	0.0705	8.5435	1.8031	10.1569	4.3561	1.6588	5.8404	0.0000	6,830.8695	6,830.8695	2.1567	0.3457	6,886.1743

	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
Percent Reduction	0.00	0.00	0.00	0.00	50.45	0.00	45.57	53.41	0.00	44.28	0.00	0.00	0.00	0.00	0.00	0.00

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	lb/day										lb/day					
Area	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084
Energy	0.2479	2.2531	1.8926	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330
Mobile	31.2978	26.2841	169.5044	0.3166	28.8090	0.2695	29.0784	7.6850	0.2521	7.9370		32,557.8678	32,557.8678	2.4907	2.0006	33,216.3043
Total	38.8948	28.5381	171.4883	0.3301	28.8090	0.4410	29.2500	7.6850	0.4236	8.1086		35,261.8292	35,261.8292	2.5430	2.0501	35,936.3457

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	lb/day										lb/day					
Area	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084
Energy	0.2479	2.2531	1.8926	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330
Mobile	31.2978	26.2841	169.5044	0.3166	28.8090	0.2695	29.0784	7.6850	0.2521	7.9370		32,557.8678	32,557.8678	2.4907	2.0006	33,216.3043
Total	38.8948	28.5381	171.4883	0.3301	28.8090	0.4410	29.2500	7.6850	0.4236	8.1086		35,261.8292	35,261.8292	2.5430	2.0501	35,936.3457

	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
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	Demolition	8/1/2022	8/26/2022	5	20	
2	Site Preparation	Site Preparation	8/27/2022	9/9/2022	5	10	
3	Grading	Grading	9/10/2022	10/21/2022	5	30	
4	Building Construction	Building Construction	10/22/2022	11/17/2023	5	280	
5	Paving	Paving	11/20/2023	12/15/2023	5	20	

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6	Architectural Coating	Architectural Coating	9/4/2023	12/29/2023	5	85
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Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 105

Acres of Paving: 5.98

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 429,375; Non-Residential Outdoor: 143,125; Striped Parking Area: 15,936

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	2	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	6	15.00	0.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	222.00	90.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 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	lb/day										lb/day					
Fugitive Dust					0.1100	0.0000	0.1100	0.0167	0.0000	0.0167			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.6392	25.7194	20.5941	0.0388	0.1100	1.2427	1.3526	0.0167	1.1553	1.1719		3,746.7812	3,746.7812	1.0524		3,773.0920
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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	lb/day										lb/day					
Hauling	1.9400e-003	0.0734	0.0144	3.1000e-004	8.7600e-003	7.7000e-004	9.5300e-003	2.4000e-003	7.4000e-004	3.1400e-003		32.5918	32.5918	2.3000e-004	5.1300e-003	34.1251
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
Worker	0.0533	0.0300	0.4196	1.1400e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		116.2044	116.2044	3.3400e-003	3.0300e-003	117.1920
Total	0.0552	0.1034	0.4339	1.4500e-003	0.1320	1.4000e-003	0.1334	0.0351	1.3200e-003	0.0364		148.7962	148.7962	3.5700e-003	8.1600e-003	151.3172

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	lb/day										lb/day					
Fugitive Dust					0.0470	0.0000	0.0470	7.1200e-003	0.0000	7.1200e-003			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	2.6392	25.7194	20.5941	0.0388	0.0470	1.2427	1.2897	7.1200e-003	1.1553	1.1624	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
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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	lb/day										lb/day					
Hauling	1.9400e-003	0.0734	0.0144	3.1000e-004	8.3600e-003	7.7000e-004	9.1300e-003	2.3000e-003	7.4000e-004	3.0400e-003		32.5918	32.5918	2.3000e-004	5.1300e-003	34.1251
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
Worker	0.0533	0.0300	0.4196	1.1400e-003	0.1168	6.3000e-004	0.1174	0.0311	5.8000e-004	0.0317		116.2044	116.2044	3.3400e-003	3.0300e-003	117.1920
Total	0.0552	0.1034	0.4339	1.4500e-003	0.1252	1.4000e-003	0.1266	0.0334	1.3200e-003	0.0347		148.7962	148.7962	3.5700e-003	8.1600e-003	151.3172

3.3 Site Preparation - 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	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	3.1701	33.0835	19.6978	0.0380	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		3,686.0619	3,686.0619	1.1922		3,715.8655
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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	lb/day										lb/day					
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
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
Worker	0.0640	0.0360	0.5035	1.3700e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		139.4453	139.4453	4.0000e-003	3.6400e-003	140.6304
Total	0.0640	0.0360	0.5035	1.3700e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		139.4453	139.4453	4.0000e-003	3.6400e-003	140.6304

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	lb/day										lb/day					
Fugitive Dust					8.4034	0.0000	8.4034	4.3188	0.0000	4.3188			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	3.1701	33.0835	19.6978	0.0380	8.4034	1.6126	10.0159	4.3188	1.4836	5.8024	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
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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	lb/day										lb/day					
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
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
Worker	0.0640	0.0360	0.5035	1.3700e-003	0.1402	7.5000e-004	0.1409	0.0373	6.9000e-004	0.0380		139.4453	139.4453	4.0000e-003	3.6400e-003	140.6304
Total	0.0640	0.0360	0.5035	1.3700e-003	0.1402	7.5000e-004	0.1409	0.0373	6.9000e-004	0.0380		139.4453	139.4453	4.0000e-003	3.6400e-003	140.6304

3.4 Grading - 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	lb/day										lb/day					
Fugitive Dust					9.7338	0.0000	9.7338	3.7110	0.0000	3.7110			0.0000			0.0000
Off-Road	4.0398	44.1011	30.7633	0.0687		1.8021	1.8021		1.6579	1.6579		6,652.6895	6,652.6895	2.1516		6,706.4798

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	4.0398	44.1011	30.7633	0.0687	9.7338	1.8021	11.5359	3.7110	1.6579	5.3689		6,652.6895	6,652.6895	2.1516		6,706.4798
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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	lb/day										lb/day					
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
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
Worker	0.0817	0.0460	0.6433	1.7500e-003	0.1889	9.6000e-004	0.1899	0.0501	8.8000e-004	0.0510		178.1800	178.1800	5.1100e-003	4.6500e-003	179.6945
Total	0.0817	0.0460	0.6433	1.7500e-003	0.1889	9.6000e-004	0.1899	0.0501	8.8000e-004	0.0510		178.1800	178.1800	5.1100e-003	4.6500e-003	179.6945

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	lb/day										lb/day					
Fugitive Dust					4.1612	0.0000	4.1612	1.5865	0.0000	1.5865			0.0000			0.0000
Off-Road	4.0398	44.1011	30.7633	0.0687		1.8021	1.8021		1.6579	1.6579	0.0000	6,652.6895	6,652.6895	2.1516		6,706.4798

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	4.0398	44.1011	30.7633	0.0687	4.1612	1.8021	5.9633	1.5865	1.6579	3.2444	0.0000	6,652.6895	6,652.6895	2.1516		6,706.4798
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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	lb/day										lb/day					
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
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
Worker	0.0817	0.0460	0.6433	1.7500e-003	0.1791	9.6000e-004	0.1801	0.0477	8.8000e-004	0.0486		178.1800	178.1800	5.1100e-003	4.6500e-003	179.6945
Total	0.0817	0.0460	0.6433	1.7500e-003	0.1791	9.6000e-004	0.1801	0.0477	8.8000e-004	0.0486		178.1800	178.1800	5.1100e-003	4.6500e-003	179.6945

3.5 Building 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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
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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	lb/day										lb/day					
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
Vendor	0.1924	4.7518	1.3471	0.0188	0.6099	0.0544	0.6643	0.1756	0.0520	0.2276		1,985.3549	1,985.3549	0.0142	0.3007	2,075.3307
Worker	0.7887	0.4439	6.2094	0.0169	1.8237	9.2800e-003	1.8330	0.4837	8.5400e-003	0.4923		1,719.8248	1,719.8248	0.0494	0.0449	1,734.4421
Total	0.9811	5.1957	7.5565	0.0357	2.4336	0.0637	2.4973	0.6593	0.0606	0.7199		3,705.1797	3,705.1797	0.0636	0.3457	3,809.7728

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	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
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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	lb/day										lb/day					
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
Vendor	0.1924	4.7518	1.3471	0.0188	0.5839	0.0544	0.6382	0.1692	0.0520	0.2213		1,985.3549	1,985.3549	0.0142	0.3007	2,075.3307
Worker	0.7887	0.4439	6.2094	0.0169	1.7286	9.2800e-003	1.7379	0.4604	8.5400e-003	0.4689		1,719.8248	1,719.8248	0.0494	0.0449	1,734.4421
Total	0.9811	5.1957	7.5565	0.0357	2.3124	0.0637	2.3761	0.6296	0.0606	0.6902		3,705.1797	3,705.1797	0.0636	0.3457	3,809.7728

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
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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	lb/day										lb/day					
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
Vendor	0.0980	3.8124	1.1545	0.0181	0.6099	0.0254	0.6353	0.1756	0.0243	0.1999		1,909.9124	1,909.9124	9.5200e-003	0.2886	1,996.1566
Worker	0.7233	0.3874	5.6668	0.0164	1.8237	8.7500e-003	1.8324	0.4837	8.0500e-003	0.4918		1,673.9378	1,673.9378	0.0440	0.0412	1,687.3237
Total	0.8213	4.1998	6.8213	0.0344	2.4336	0.0342	2.4678	0.6593	0.0324	0.6917		3,583.8502	3,583.8502	0.0535	0.3298	3,683.4803

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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
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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	lb/day										lb/day					
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
Vendor	0.0980	3.8124	1.1545	0.0181	0.5839	0.0254	0.6093	0.1692	0.0243	0.1935		1,909.9124	1,909.9124	9.5200e-003	0.2886	1,996.1566
Worker	0.7233	0.3874	5.6668	0.0164	1.7286	8.7500e-003	1.7373	0.4604	8.0500e-003	0.4684		1,673.9378	1,673.9378	0.0440	0.0412	1,687.3237
Total	0.8213	4.1998	6.8213	0.0344	2.3124	0.0342	2.3466	0.6296	0.0324	0.6620		3,583.8502	3,583.8502	0.0535	0.3298	3,683.4803

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	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.8161	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
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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	lb/day										lb/day					
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
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
Worker	0.0489	0.0262	0.3829	1.1100e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.1039	113.1039	2.9700e-003	2.7900e-003	114.0084
Total	0.0489	0.0262	0.3829	1.1100e-003	0.1232	5.9000e-004	0.1238	0.0327	5.4000e-004	0.0332		113.1039	113.1039	2.9700e-003	2.7900e-003	114.0084

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	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.7834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	1.8161	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
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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	lb/day										lb/day					
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
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
Worker	0.0489	0.0262	0.3829	1.1100e-003	0.1168	5.9000e-004	0.1174	0.0311	5.4000e-004	0.0317		113.1039	113.1039	2.9700e-003	2.7900e-003	114.0084
Total	0.0489	0.0262	0.3829	1.1100e-003	0.1168	5.9000e-004	0.1174	0.0311	5.4000e-004	0.0317		113.1039	113.1039	2.9700e-003	2.7900e-003	114.0084

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	lb/day										lb/day					
Archit. Coating	48.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	48.3223	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
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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	lb/day										lb/day					
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
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
Worker	0.1434	0.0768	1.1232	3.2400e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975		331.7715	331.7715	8.7200e-003	8.1700e-003	334.4245
Total	0.1434	0.0768	1.1232	3.2400e-003	0.3615	1.7300e-003	0.3632	0.0959	1.6000e-003	0.0975		331.7715	331.7715	8.7200e-003	8.1700e-003	334.4245

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	lb/day										lb/day					
Archit. Coating	48.1306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	48.3223	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
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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	lb/day										lb/day					
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
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
Worker	0.1434	0.0768	1.1232	3.2400e-003	0.3426	1.7300e-003	0.3443	0.0913	1.6000e-003	0.0928		331.7715	331.7715	8.7200e-003	8.1700e-003	334.4245
Total	0.1434	0.0768	1.1232	3.2400e-003	0.3426	1.7300e-003	0.3443	0.0913	1.6000e-003	0.0928		331.7715	331.7715	8.7200e-003	8.1700e-003	334.4245

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
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Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category	lb/day										lb/day				
Mitigated	31.2978	26.2841	169.5044	0.3166	28.8090	0.2695	29.0784	7.6850	0.2521	7.9370	32,557.867	32,557.867	2.4907	2.0006	33,216.3043
Unmitigated	31.2978	26.2841	169.5044	0.3166	28.8090	0.2695	29.0784	7.6850	0.2521	7.9370	32,557.867	32,557.867	2.4907	2.0006	33,216.3043

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	125.10	125.10	125.10	124,623	124,623
Convenience Market with Gas Pumps	1,761.31	1,761.31	3591.31	1,085,008	1,085,008
Fast Food Restaurant with Drive Thru	1,910.74	1,910.74	1910.74	1,785,248	1,785,248
Hotel	900.00	900.00	900.00	1,709,938	1,709,938
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	1,602.95	1,602.95	1602.95	2,810,467	2,810,467
Supermarket	4,644.75	4,644.75	4644.75	5,283,141	5,283,141
Total	10,944.85	10,944.85	12,774.85	12,798,424	12,798,424

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
Convenience Market with Gas	9.50	7.30	7.30	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Convenience Market with Gas Pumps	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fast Food Restaurant with Drive Thru	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Hotel	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Parking Lot	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Regional Shopping Center	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Supermarket	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707

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	lb/day										lb/day					
NaturalGas Mitigated	0.2479	2.2531	1.8926	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330
NaturalGas Unmitigated	0.2479	2.2531	1.8926	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330

5.2 Energy by Land Use - NaturalGas

Unmitigated

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Natural Gas 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	lb/day										lb/day					
Automobile Care Center	101.096	1.0900e-003	9.9100e-003	8.3300e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8936	11.8936	2.3000e-004	2.2000e-004	11.9643
Convenience Market with Gas	193.529	2.0900e-003	0.0190	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003		22.7681	22.7681	4.4000e-004	4.2000e-004	22.9034
Fast Food Restaurant with Drive Thru	2672.98	0.0288	0.2621	0.2201	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.4688	314.4688	6.0300e-003	5.7700e-003	316.3376
Hotel	13157.5	0.1419	1.2900	1.0836	7.7400e-003		0.0980	0.0980		0.0980	0.0980		1,547.9420	1,547.9420	0.0297	0.0284	1,557.1406
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
Regional Shopping Center	1037.44	0.0112	0.1017	0.0854	6.1000e-004		7.7300e-003	7.7300e-003		7.7300e-003	7.7300e-003		122.0519	122.0519	2.3400e-003	2.2400e-003	122.7772
Supermarket	5819.45	0.0628	0.5705	0.4793	3.4200e-003		0.0434	0.0434		0.0434	0.0434		684.6414	684.6414	0.0131	0.0126	688.7099
Total		0.2479	2.2531	1.8927	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330

Mitigated

	Natural Gas 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	lb/day										lb/day					
Automobile Care Center	0.101096	1.0900e-003	9.9100e-003	8.3300e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8936	11.8936	2.3000e-004	2.2000e-004	11.9643
Convenience Market with Gas	0.193529	2.0900e-003	0.0190	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003		22.7681	22.7681	4.4000e-004	4.2000e-004	22.9034
Fast Food Restaurant with Drive Thru	2.67298	0.0288	0.2621	0.2201	1.5700e-003		0.0199	0.0199		0.0199	0.0199		314.4688	314.4688	6.0300e-003	5.7700e-003	316.3376

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Hotel	13.1575	0.1419	1.2900	1.0836	7.7400e-003		0.0980	0.0980		0.0980	0.0980		1,547.9420	1,547.9420	0.0297	0.0284	1,557.1406
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
Regional Shopping Center	1.03744	0.0112	0.1017	0.0854	6.1000e-004		7.7300e-003	7.7300e-003		7.7300e-003	7.7300e-003		122.0519	122.0519	2.3400e-003	2.2400e-003	122.7772
Supermarket	5.81945	0.0628	0.5705	0.4793	3.4200e-003		0.0434	0.0434		0.0434	0.0434		684.6414	684.6414	0.0131	0.0126	688.7099
Total		0.2479	2.2531	1.8927	0.0135		0.1712	0.1712		0.1712	0.1712		2,703.7658	2,703.7658	0.0518	0.0496	2,719.8330

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	lb/day										lb/day					
Mitigated	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084
Unmitigated	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084

6.2 Area by SubCategory

Unmitigated

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	lb/day										lb/day					
Architectural Coating	1.1209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2198					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.4500e-003	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084
Total	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084

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	lb/day										lb/day					
Architectural Coating	1.1209					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2198					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.4500e-003	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084
Total	7.3491	8.3000e-004	0.0912	1.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004		0.1956	0.1956	5.1000e-004		0.2084

Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

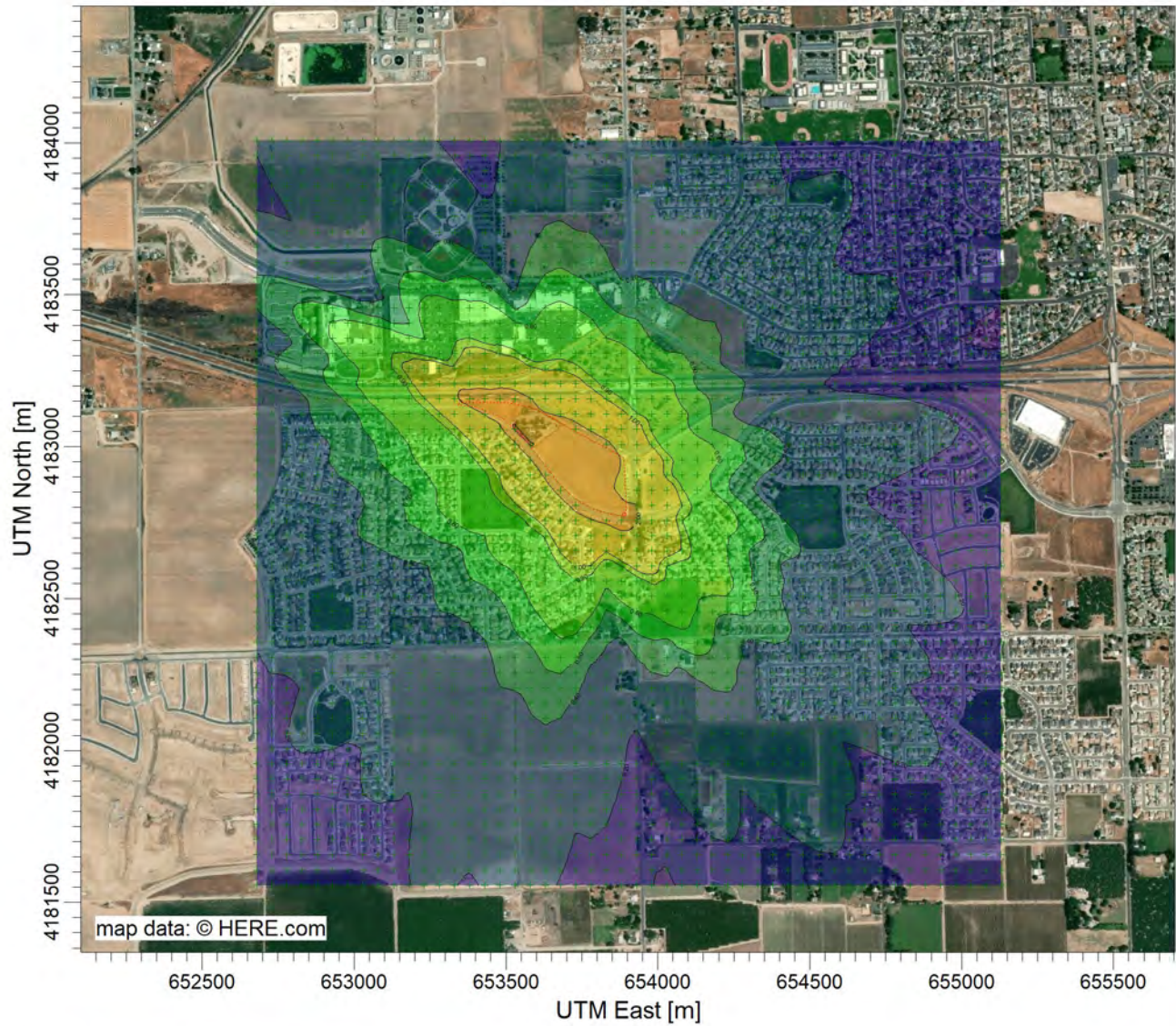
Maverik Manteca - San Joaquin County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

APPENDIX B
HEALTH RISK ASSESSMENT (HRA) MODELING DATA

PROJECT TITLE:

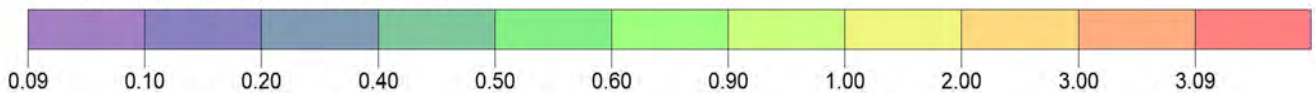
Maverik Manteca_1-hour



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m³

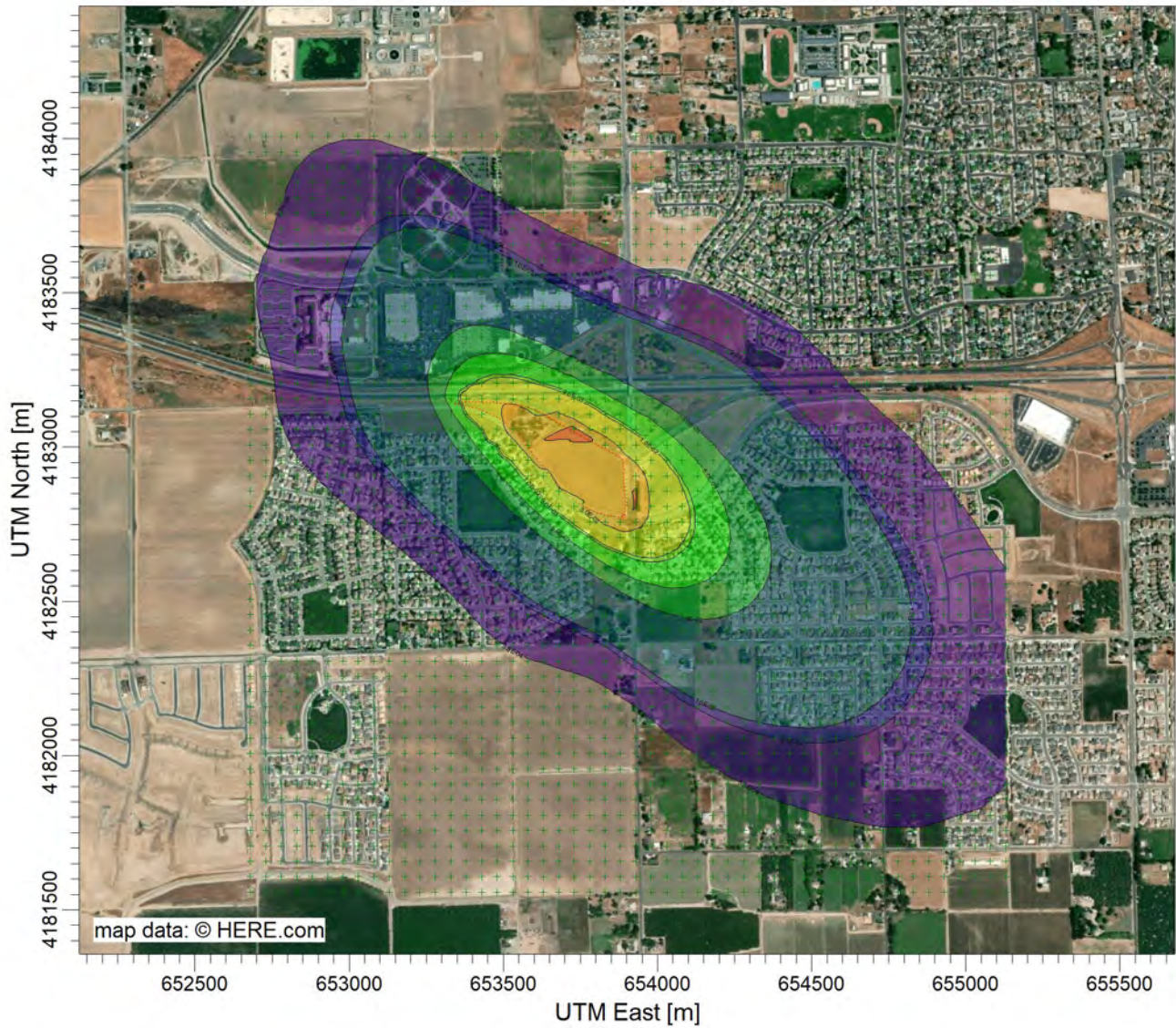
Max: 3.09 [ug/m³] at (653529.81, 4183056.98)



COMMENTS:	SOURCES: 1	COMPANY NAME:	
	RECEPTORS: 2471	MODELER:	
	OUTPUT TYPE: Concentration	SCALE: 1:22,652	
	MAX: 3.09 ug/m³	DATE: 3/9/2022	PROJECT NO.:

PROJECT TITLE:

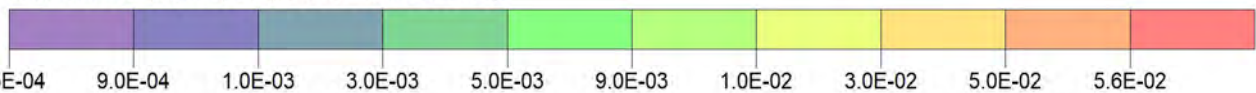
Maverik Manteca_Annual



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL

ug/m³

Max: 5.6E-02 [ug/m³] at (653729.81, 4183056.98)



COMMENTS:	SOURCES: 1	COMPANY NAME:	
	RECEPTORS: 2471	MODELER:	
	OUTPUT TYPE: Concentration	SCALE: 1:22,355	
	MAX: 5.6E-02 ug/m³	DATE: 3/9/2022	PROJECT NO.:

Construction

Year	PM ₁₀ Exhaust Onsite		Weighted Average On-Site Rate
	Tons/Year	g/s	
2022	0.06766	0.005871	0.007207081
2023	8.86E-02	0.007689	

On-Site Construction Emissions

Year	Phase	tons/yr Exhaust PM ₁₀
2022	Demolition	0.0124
2022	Site Prep	8.06E-03
2022	Grading	2.70E-02
2022	Building	2.02E-02
	Total	0.06766
2023	Building	0.0805
2023	Paving	5.10E-03
2023	Arch Coating	3.01E-03
	Total	0.08861

HARP2 - HRACalc (dated 19044) 3/3/2022 11:57:18 AM - Output Log

GLCs loaded successfully

Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident

Scenario: All

Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25

Total Exposure Duration: 2

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25

0<2 Years Bin: 2

2<9 Years Bin: 0

2<16 Years Bin: 0

16<30 Years Bin: 0

16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True

Soil: False

Dermal: False

Mother's milk: False

Water: False

Fish: False

Homegrown crops: False

Beef: False

Dairy: False

Pig: False

Chicken: False

Egg: False

INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors

Worker adjustment factors enabled: NO

Fraction at time at home

3rd Trimester to 16 years: OFF

16 years to 70 years: ON

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD RAST\Maverik Manteca\PM10_CONSTRUCTIONCancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD RAST\Maverik Manteca\PM10_CONSTRUCTIONNCCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD RAST\Maverik Manteca\PM10_CONSTRUCTIONNCAcuteRisk.csv

HRA ran successfully

Construction			
	$\mu\text{g}/\text{m}^3$		
	1 hr	8 hr	Annual
Project	2.00E+00	5.00E-01	3.00E-02

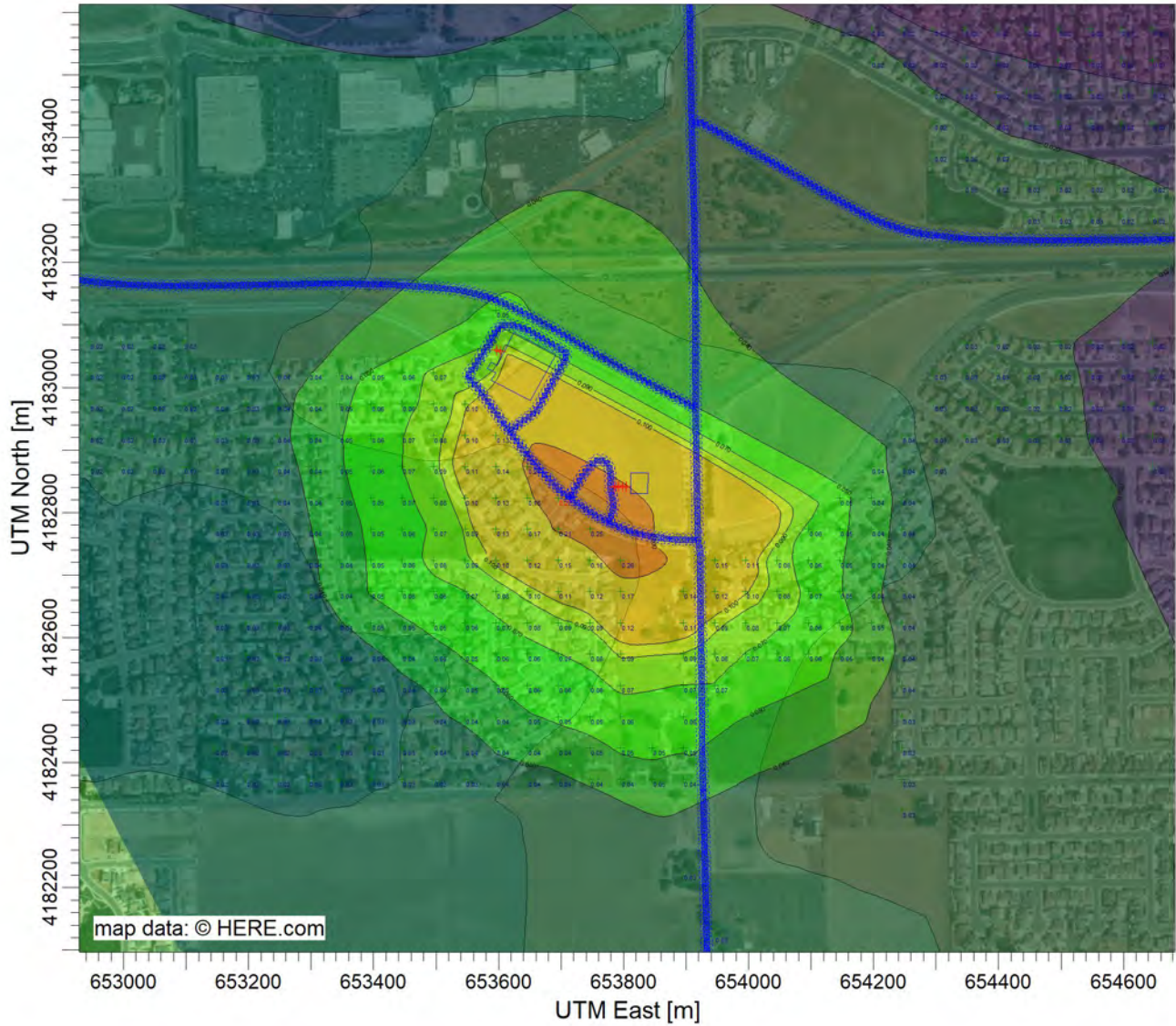
HARP 2 Risk Summary								
INDEX	POLID	CONC	Cancer INH_RISK	Per 1 million	Chronic RESP	Acute CONC RESP		
1	9901 Diesel ExhPM	1.65E-02	1.11E-05	11.12	6.00E-03	0.00E+00	0.00E+00	0.00E+00
2	107028 Acrolein				0.00E+00	2.00E+00	8.00E-01	

Operations			
	$\mu\text{g}/\text{m}^3$		
	1 hr	24 hr	Annual
Project	2.75E-01	6.87E-03	1.94E-02

HARP 2 Risk Summary								
INDEX	POLID	CONC	Cancer INH_RISK	Per 1 million	Chronic RESP	Acute CONC RESP		
1	9901 Diesel ExhPM	1.94E-02	1.64E-05	16.44	3.80E-03	2.80E-03	1.12E-03	
2	107028 Acrolein	0.00E+00	0.00E+00	0.0	0.00E+00	2.75E-01	1.08E-01	

PROJECT TITLE:

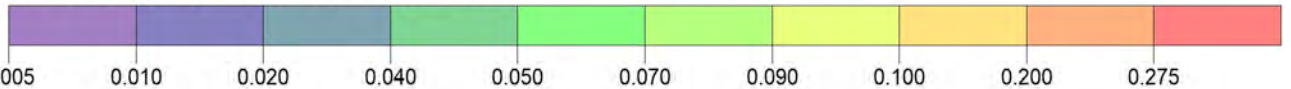
Maverik Manteca_Operation_1-hour



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m³

Max: 0.275 [ug/m³] at (653695.75, 418283.41)



COMMENTS:

SOURCES:

COMPANY NAME:

16

RECEPTORS:

MODELER:

770

OUTPUT TYPE:

SCALE:

1:11,028

Concentration

0

0.4 km

MAX:

DATE:

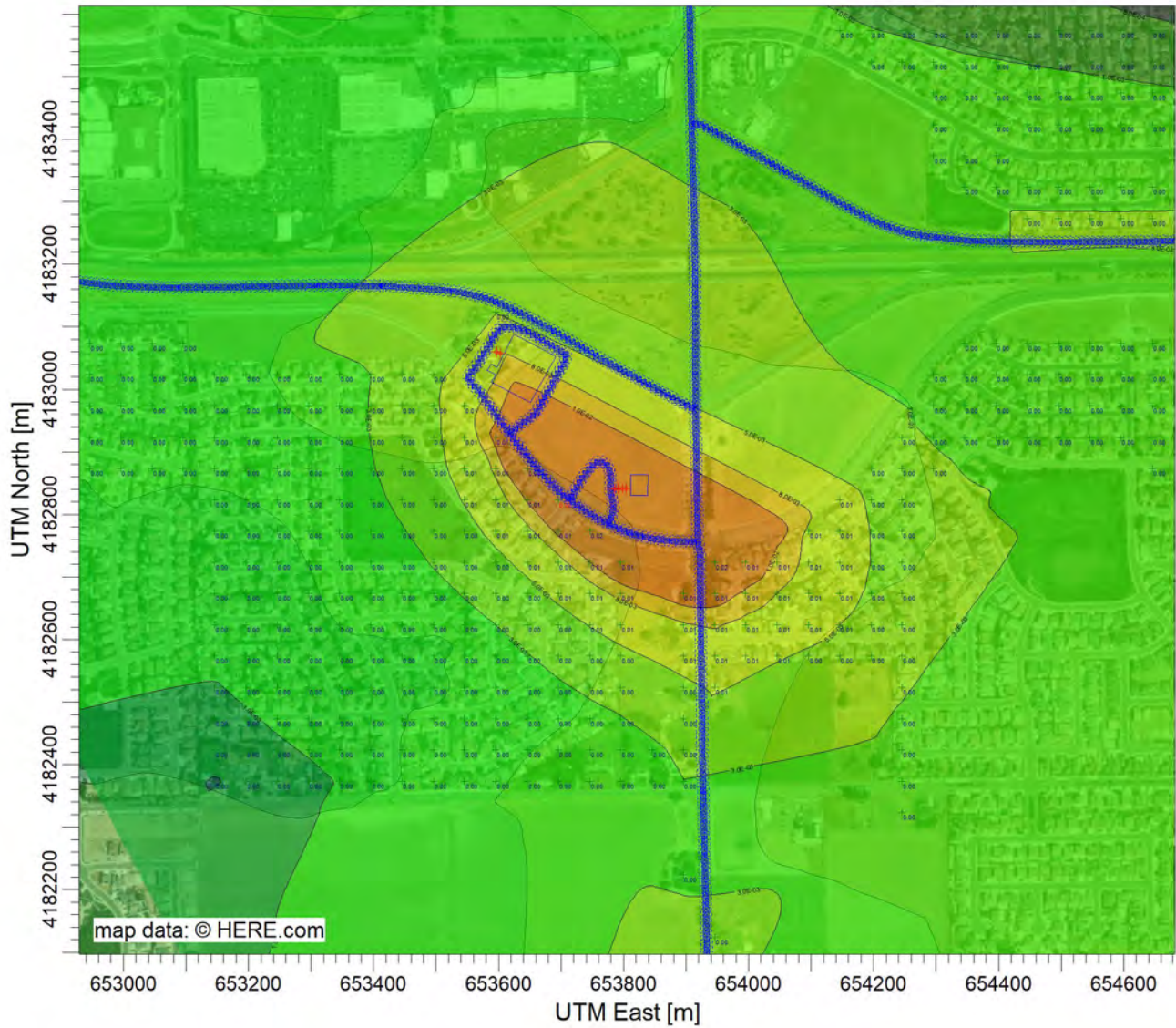
PROJECT NO.:

0.275 ug/m³

3/9/2022

PROJECT TITLE:

Maverik Manteca_Operation_24-hour



PLOT FILE OF PERIOD VALUES AVERAGED ACROSS 0 YEARS FOR SOURCE GROUP: ALL

ug/m³

Max: 1.9E-02 [ug/m³] at (653695.75, 4182823.41)



COMMENTS:	SOURCES: 16	COMPANY NAME:	
	RECEPTORS: 770	MODELER:	
	OUTPUT TYPE: Concentration	SCALE: 1:11,026	
	MAX: 1.9E-02 ug/m³	DATE: 3/9/2022	PROJECT NO.:

Maverik Manteca Operational HRA Emissions Calculator

Truck Route Emissions	Speed (mph)	Trips (veh/day)	Emission Factor (g/mi)	Length (meters)	Length (mi/veh)	Emissions (g/day)	Emission Rate (g/sec)	TRU Emissions Rate (g/sec)	Total Emissions Rate (g/sec)
SR-120 EB_Mainline to Off-Ramp	55	219	0.021732343	2106.2	1.31	6.23E+00	7.21E-05	1.66E-08	7.21E-05
SR-120 EB_Off-Ramp	35	219	0.010016865	548.8	0.34	7.48E-01	8.65E-06	2.61E-08	8.68E-06
SR 120 WB_Mainline to Off-Ramp	55	438	0.021732343	1740.9	1.08	1.03E+01	1.19E-04	3.32E-08	1.19E-04
I-10 WB_Off-Ramp	35	438	0.010016865	435	0.27	1.19E+00	1.37E-05	5.22E-08	1.38E-05
Airport Way_Yosemite Ave to Atherton Dr	40	219	0.011478119	1995.4	1.24	3.11E+00	3.61E-05	2.28E-08	3.61E-05
Airport Way_Fig Rd to Woodward Ave	55	219	0.021732343	1725.1	1.07	5.10E+00	5.90E-05	1.66E-08	5.90E-05
Airport Way_Woodward Ave to Atherton Dr	40	219	0.011478119	400.2	0.25	6.25E-01	7.23E-06	2.28E-08	7.25E-06
Atherton Drive_Airport Way to Grocery Store Driveway	45	1094	0.014111806	470.9	0.29	4.52E+00	5.23E-05	1.01E-07	5.24E-05
On-Site Truck Circulation_Grocery Store	5	22	0.00216678	372.3	0.23	1.10E-02	1.27E-07	1.83E-08	1.45E-07
On-Site Truck Circulation_Gas Station	5	1073	0.00216678	188.4	0.12	2.72E-01	3.15E-06	8.95E-07	4.04E-06

Refrigeration Unit Emissions	Speed (mph)	Size (hp)	Load Factor	On/Off Cycle Factor	Emissions Factor (g/bhp-hr)	Daily Trucks with TRU (veh/day)	Cooling Time (hr/veh)	Emissions (g/day)	Emissions (g/sec)
SR-120 EB_Mainline to Off-Ramp	55	34	0.53	0.5	0.01	88	1.82E-04	1.43E-03	1.66E-08
SR-120 EB_Off-Ramp	35	34	0.53	0.5	0.01	88	2.86E-04	2.25E-03	2.61E-08
SR 120 WB_Mainline to Off-Ramp	55	34	0.53	0.5	0.01	175	1.82E-04	2.87E-03	3.32E-08
I-10 WB_Off-Ramp	35	34	0.53	0.5	0.01	175	2.86E-04	4.51E-03	5.22E-08
Airport Way_Yosemite Ave to Atherton Dr	40	34	0.53	0.5	0.01	88	2.50E-04	1.97E-03	2.28E-08
Airport Way_Fig Rd to Woodward Ave	55	34	0.53	0.5	0.01	88	1.82E-04	1.43E-03	1.66E-08
Airport Way_Woodward Ave to Atherton Dr	40	34	0.53	0.5	0.01	88	2.50E-04	1.97E-03	2.28E-08
Atherton Drive_Airport Way to Grocery Store Driveway	45	34	0.53	0.5	0.01	438	2.22E-04	8.76E-03	1.01E-07
On-Site Truck Circulation_Grocery Store	5	34	0.53	0.5	0.01	9	2.00E-03	1.58E-03	1.83E-08
On-Site Truck Circulation_Gas Station	5	34	0.53	0.5	0.01	429	2.00E-03	7.73E-02	8.95E-07

Idling	Speed (mph)	Trips (veh/day)	Emission Factor (g/mi)	Duration (hr/veh)	Emissions (g/day)	Emission Rate (g/sec)
Grocery Store Truck Idling - 1	Idle	0.43	0.00216678	0.25	2.32E-04	2.69E-09
Grocery Store Truck Idling - 2	Idle	0.43	0.00216678	0.25	2.32E-04	2.69E-09
Gas Station Truck Idling - 1	Idle	268	0.00216678	0.25	1.45E-01	1.68E-06
Gas Station Truck Idling - 2	Idle	268	0.00216678	0.25	1.45E-01	1.68E-06
Gas Station Truck Idling - 3	Idle	268	0.00216678	0.25	1.45E-01	1.68E-06
Gas Station Truck Idling - 4	Idle	268	0.00216678	0.25	1.45E-01	1.68E-06

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: Sub-Area

Region: San Joaquin (SJV)

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/year for CVMT and EVMT, tons/year for Emissions, 1000 gallons/year for Fuel Consumption, mph for Speed, kWh/year for Energy Consumption

	HHDT	Speed (mph)							PM10_IDLEX	
		Project Mix	Idle	15	35	40	45	50			55
		1.00	0.00216678	0.0112738	0.010016865	0.011478119	0.014111806	0.01714928	0.021732343	
Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	VMT	Trips	PM10_IDLEX	
San Joaquin (SJV)	2023	HHDT	Aggregate	5	Gasoline	2.419215607	60.00819344	48.40366587	0	0
San Joaquin (SJV)	2023	HHDT	Aggregate	5	Diesel	8575.081903	1199316.402	140104.4472	0.035228721	302.0891677
San Joaquin (SJV)	2023	HHDT	Aggregate	5	Natural Gas	216.9125611	14031.10566	1757.131941	0.024887886	5.398495105
Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10_RUNEX	PM10 Total		
San Joaquin (SJV)	2023	HHDT	Aggregate	15	Gasoline	1.595225434	0.016572431	0.026436764		
San Joaquin (SJV)	2023	HHDT	Aggregate	15	Diesel	18533.0667	0.011467285	212.5239617		
San Joaquin (SJV)	2023	HHDT	Aggregate	15	Natural Gas	701.7053698	0.0061502	4.315628299		
Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10_RUNEX	PM10 Total		
San Bernardino (SC)	2023	HHDT	Aggregate	35	Gasoline	3.238213027	0.006996468	0.022656054		
San Bernardino (SC)	2023	HHDT	Aggregate	35	Diesel	28026.50325	0.010228038	286.6561311		
San Bernardino (SC)	2023	HHDT	Aggregate	35	Natural Gas	904.3722357	0.003483443	3.150329357		
Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10_RUNEX	PM10 Total		
San Bernardino (SC)	2023	HHDT	Aggregate	40	Gasoline	3.318901252	0.006346794	0.021064381		
San Bernardino (SC)	2023	HHDT	Aggregate	40	Diesel	33993.67212	0.011710581	398.0856469		
San Bernardino (SC)	2023	HHDT	Aggregate	40	Natural Gas	965.1797029	0.003308453	3.193251666		
Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10_RUNEX	PM10 Total		
San Bernardino (SC)	2023	HHDT	Aggregate	45	Gasoline	3.359576932	0.006033566	0.020270231		
San Bernardino (SC)	2023	HHDT	Aggregate	45	Diesel	37198.29598	0.014400879	535.688146		
San Bernardino (SC)	2023	HHDT	Aggregate	45	Natural Gas	988.8782344	0.003265301	3.228985481		
Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10_RUNEX	PM10 Total		
San Bernardino (SC)	2023	HHDT	Aggregate	50	Gasoline	3.668980235	0.006010048	0.022050748		
San Bernardino (SC)	2023	HHDT	Aggregate	50	Diesel	43725.76859	0.017461168	763.5030123		
San Bernardino (SC)	2023	HHDT	Aggregate	50	Natural Gas	992.4555958	0.003449232	3.423209944		
Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10_RUNEX	PM10 Total		
San Bernardino (SC)	2023	HHDT	Aggregate	55	Gasoline	6.118727698	0.006272197	0.038377868		
San Bernardino (SC)	2023	HHDT	Aggregate	55	Diesel	69082.59119	0.022049498	1523.236438		
San Bernardino (SC)	2023	HHDT	Aggregate	55	Natural Gas	1181.927175	0.003274995	3.870805527		

HARP2 - HRACalc (dated 19044) 3/4/2022 11:48:09 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors

Worker adjustment factors enabled: NO

Fraction at time at home

3rd Trimester to 16 years: OFF

16 years to 70 years: ON

TIER 2 SETTINGS

Tier2 not used.

Calculating cancer risk

Cancer risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD RAST\Maverik Manteca\PM10_OperationsCancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD RAST\Maverik Manteca\PM10_OperationsNCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\Ryan.Chiene\OneDrive - KH\Desktop\AERMOD RAST\Maverik Manteca\PM10_OperationsNCAcuteRisk.csv

HRA ran successfully

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 3/3/2022
** File: C:\Lakes\AERMOD View\Maverik Manteca\Maverik Manteca_construction\Maverik
Manteca_construction\Maverik Manteca_construction.ADI
**

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** AERMOD Control Pathway
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CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Maverik Manteca\Maverik Manteca_operations\Mave
  MODELOPT DFAULT CONC
  AVERTIME 1 8 PERIOD
  URBANOPT 762148
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Maverik Manteca_construction.err"

```

```

CO FINISHED
**
*****

```

```

** AERMOD Source Pathway
*****
**
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION PAREA1      AREAPOLY    653890.813   4182777.751     7.190
** DESCRSRC On-Site Construction
** Source Parameters **
  SRCPARAM PAREA1      9.7827E-08    3.900         44
  AREAVERT PAREA1      653890.813   4182777.751   653894.898   4182782.971
  AREAVERT PAREA1      653893.763   4182815.875   653891.267   4182901.653
  AREAVERT PAREA1      653891.124   4182928.281   653886.812   4182963.684
  AREAVERT PAREA1      653824.401   4182997.726   653722.049   4183054.463
  AREAVERT PAREA1      653625.022   4183109.877   653596.029   4183123.956
  AREAVERT PAREA1      653574.423   4183131.483   653518.339   4183141.751
  AREAVERT PAREA1      653498.496   4183143.227   653397.507   4183146.867
  AREAVERT PAREA1      653371.881   4183147.339   653338.058   4183139.167
  AREAVERT PAREA1      653369.157   4183135.535   653397.533   4183130.087
  AREAVERT PAREA1      653429.086   4183120.099   653463.136   4183105.571

```


AREAVERT PAREA1 653489.469 4183091.497 653513.985 4183071.748
AREAVERT PAREA1 653521.718 4183066.035 653538.545 4183050.037
AREAVERT PAREA1 653547.529 4183041.587 653561.669 4183023.991
AREAVERT PAREA1 653589.948 4182988.800 653601.815 4182973.349
AREAVERT PAREA1 653625.427 4182943.607 653648.130 4182913.411
AREAVERT PAREA1 653667.883 4182887.529 653678.326 4182875.042
AREAVERT PAREA1 653690.586 4182861.874 653716.558 4182839.177
AREAVERT PAREA1 653729.846 4182828.351 653749.038 4182815.555
AREAVERT PAREA1 653765.771 4182805.713 653783.487 4182797.019
AREAVERT PAREA1 653807.929 4182787.504 653829.389 4182782.045
AREAVERT PAREA1 653844.057 4182778.185 653873.006 4182773.553
AREAVERT PAREA1 653884.779 4182772.974 653889.025 4182775.869
URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1 HRDOW 0.0 1.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1 HRDOW 1.0 1.0 1.0 0.0 0.0 0.0
EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Saturday:

EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

** Sunday:

EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Maverik Manteca_construction.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE AERMET\2017_Stockton.SFC

PROFFILE AERMET\2017_Stockton.PFL
SURFDATA 23237 2017 Stockton,_CA
UAIRDATA 23230 2017 OAKLAND/WSO_AP
PROFBASE 7.9 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 8 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "MAVERIK MANTECA_CONSTRUCTION.AD\01H1GALL.PLT" 31

PLOTFILE 8 ALL 1ST "MAVERIK MANTECA_CONSTRUCTION.AD\08H1GALL.PLT" 32

PLOTFILE PERIOD ALL "MAVERIK MANTECA_CONSTRUCTION.AD\PE00GALL.PLT" 33

SUMMFILE "Maverik Manteca_construction.sum"

OU FINISHED

**

** Project Parameters

** PROJCTN CoordinateSystemUTM

** DESCPTN UTM: Universal Transverse Mercator

** DATUM World Geodetic System 1984

** DTMRGN Global Definition

** UNITS m

** ZONE 10

** ZONEINX 0

**

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**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 3/3/2022
** File: C:\Lakes\AERMOD View\Maverik Manteca\Maverik Manteca_construction\Maverik
Manteca_construction\Maverik Manteca_construction.ADI
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** AERMOD Control Pathway
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CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Maverik Manteca\Maverik Manteca_operations\Mave
  MODELOPT DFAULT CONC
  AVERTIME 1 8 PERIOD
  URBANOPT 762148
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Maverik Manteca_construction.err"

```

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CO FINISHED
**
*****

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** AERMOD Source Pathway
*****
**
**

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```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION PAREA1      AREAPOLY    653890.813    4182777.751      7.190
** DESCRSRC On-Site Construction
** Source Parameters **
  SRCPARAM PAREA1      9.7827E-08      3.900      44
  AREAVERT PAREA1      653890.813    4182777.751    653894.898    4182782.971
  AREAVERT PAREA1      653893.763    4182815.875    653891.267    4182901.653
  AREAVERT PAREA1      653891.124    4182928.281    653886.812    4182963.684
  AREAVERT PAREA1      653824.401    4182997.726    653722.049    4183054.463
  AREAVERT PAREA1      653625.022    4183109.877    653596.029    4183123.956
  AREAVERT PAREA1      653574.423    4183131.483    653518.339    4183141.751
  AREAVERT PAREA1      653498.496    4183143.227    653397.507    4183146.867
  AREAVERT PAREA1      653371.881    4183147.339    653338.058    4183139.167
  AREAVERT PAREA1      653369.157    4183135.535    653397.533    4183130.087
  AREAVERT PAREA1      653429.086    4183120.099    653463.136    4183105.571

```

AREAVERT	PAREA1	653489.469	4183091.497	653513.985	4183071.748
AREAVERT	PAREA1	653521.718	4183066.035	653538.545	4183050.037
AREAVERT	PAREA1	653547.529	4183041.587	653561.669	4183023.991
AREAVERT	PAREA1	653589.948	4182988.800	653601.815	4182973.349
AREAVERT	PAREA1	653625.427	4182943.607	653648.130	4182913.411
AREAVERT	PAREA1	653667.883	4182887.529	653678.326	4182875.042
AREAVERT	PAREA1	653690.586	4182861.874	653716.558	4182839.177
AREAVERT	PAREA1	653729.846	4182828.351	653749.038	4182815.555
AREAVERT	PAREA1	653765.771	4182805.713	653783.487	4182797.019
AREAVERT	PAREA1	653807.929	4182787.504	653829.389	4182782.045
AREAVERT	PAREA1	653844.057	4182778.185	653873.006	4182773.553
AREAVERT	PAREA1	653884.779	4182772.974	653889.025	4182775.869
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA1	HRDOW	0.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	PAREA1	HRDOW	1.0	1.0	1.0	0.0	0.0	0.0
EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	PAREA1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Maverik Manteca_construction.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE AERMET\2017_Stockton.SFC

PROFFILE AERMET\2017_Stockton.PFL
SURFDATA 23237 2017 Stockton,_CA
UAIRDATA 23230 2017 OAKLAND/WSO_AP
PROFBASE 7.9 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 8 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "MAVERIK MANTECA_CONSTRUCTION.AD\01H1GALL.PLT" 31

PLOTFILE 8 ALL 1ST "MAVERIK MANTECA_CONSTRUCTION.AD\08H1GALL.PLT" 32

PLOTFILE PERIOD ALL "MAVERIK MANTECA_CONSTRUCTION.AD\PE00GALL.PLT" 33

SUMMFILE "Maverik Manteca_construction.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 104 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
ME W187 104 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 *** ***
*** 11:24:15

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN 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 URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 762148.0 ; Urban Roughness Length = 1.000 m

**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.
6. Urban Roughness Length of 1.0 Meter Assumed.

**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 Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 2471
Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 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 a total of 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 Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)

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) = 7.90 ; 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 = 3.8 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Maverik Manteca_construction.err

**File for Summary of Results: Maverik Manteca_construction.sum

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave *** 03/03/22
*** AERMET - VERSION 18081 *** ***
*** 11:24:15

PAGE 2

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	EMISSION RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER
SOURCE	SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT
SZ	SCALAR	VARY		(METERS)	(METERS)	(METERS)	OF VERTS.
ID	CATS.	/METER**2)					
(METERS)	BY						

```

-----
PAREA1      0  0.97827E-07  653890.8  4182777.8    7.2    3.90    44
0.00      YES  HRDOW
^ *** AERMOD - VERSION 21112 ***   *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***   03/03/22
*** AERMET - VERSION 18081 ***   ***
***                               ***   11:24:15

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PAGE 3

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----

```

ALL      PAREA1      ,
^ *** AERMOD - VERSION 21112 ***   *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***   03/03/22
*** AERMET - VERSION 18081 ***   ***
***                               ***   11:24:15

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PAGE 4

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----

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762148.  PAREA1      ,
^ *** AERMOD - VERSION 21112 ***   *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***   03/03/22
*** AERMET - VERSION 18081 ***   ***
***                               ***   11:24:15

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PAGE 5

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

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	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.1000E+01	9	.1000E+01	10	.1000E+01
11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

DAY OF 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		

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00
11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00
16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00
21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00		

*** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 ***

*** 11:24:15

PAGE 6

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(652679.8, 4181557.0,	6.9,	6.9,	0.0);	(652729.8,
4181557.0,	6.9,	6.9,	0.0);	
(652779.8, 4181557.0,	6.7,	6.7,	0.0);	(652829.8,
4181557.0,	6.7,	6.7,	0.0);	
(652879.8, 4181557.0,	6.7,	6.7,	0.0);	(652929.8,
4181557.0,	6.7,	6.7,	0.0);	
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*** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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^ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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4182007.0,	6.8,	6.8,	0.0);	
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4182007.0,	6.9,	6.9,	0.0);	
(653179.8, 4182007.0,	6.9,	6.9,	0.0);	(653229.8,
4182007.0,	6.9,	6.9,	0.0);	
(653279.8, 4182007.0,	7.0,	7.0,	0.0);	(653329.8,
4182007.0,	7.0,	7.0,	0.0);	
(653379.8, 4182007.0,	7.0,	7.0,	0.0);	(653429.8,
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4182007.0,	7.0,	7.0,	0.0);	
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(653679.8, 4182007.0,	7.2,	7.2,	0.0);	(653729.8,
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(653779.8, 4182007.0,	7.4,	7.4,	0.0);	(653829.8,
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4182007.0,	7.7,	7.7,	0.0);	
(653979.8, 4182007.0,	7.8,	7.8,	0.0);	(654029.8,
4182007.0,	7.8,	7.8,	0.0);	
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4182007.0,	7.9,	7.9,	0.0);	
(654179.8, 4182007.0,	8.0,	8.0,	0.0);	(654229.8,
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(654279.8, 4182007.0,	8.0,	8.0,	0.0);	(654329.8,
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(654679.8, 4182007.0,	8.5,	8.5,	0.0);	(654729.8,
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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(654879.8, 4182057.0,	8.7,	8.7,	0.0);	(654929.8,
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(654979.8, 4182057.0,	8.4,	8.4,	0.0);	(655029.8,
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(655079.8, 4182057.0,	8.4,	8.4,	0.0);	(655129.8,
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4182107.0, 6.7,	6.7,	0.0);		
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(654179.8, 4182107.0,	7.9,	7.9,	0.0);	(654229.8,
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 (653079.8, 4182157.0, 6.7, 6.7, 0.0); (653129.8,
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 4182157.0, 7.2, 7.2, 0.0);
 (653779.8, 4182157.0, 7.3, 7.3, 0.0); (653829.8,
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 (653879.8, 4182157.0, 7.6, 7.6, 0.0); (653929.8,
 4182157.0, 7.7, 7.7, 0.0);
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 4182157.0, 7.8, 7.8, 0.0);
 (654079.8, 4182157.0, 7.9, 7.9, 0.0); (654129.8,
 4182157.0, 7.9, 7.9, 0.0);

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 *** ***

*** 11:24:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(654179.8, 4182157.0,	7.9,	7.9,	0.0);	(654229.8,
4182157.0, 8.0,	8.0,	0.0);		
(654279.8, 4182157.0,	8.0,	8.0,	0.0);	(654329.8,
4182157.0, 8.0,	8.0,	0.0);		
(654379.8, 4182157.0,	8.1,	8.1,	0.0);	(654429.8,
4182157.0, 8.1,	8.1,	0.0);		
(654479.8, 4182157.0,	8.2,	8.2,	0.0);	(654529.8,
4182157.0, 8.3,	8.3,	0.0);		
(654579.8, 4182157.0,	8.3,	8.3,	0.0);	(654629.8,
4182157.0, 8.4,	8.4,	0.0);		
(654679.8, 4182157.0,	8.6,	8.6,	0.0);	(654729.8,
4182157.0, 8.7,	8.7,	0.0);		
(654779.8, 4182157.0,	8.7,	8.7,	0.0);	(654829.8,
4182157.0, 8.8,	8.8,	0.0);		
(654879.8, 4182157.0,	8.7,	8.7,	0.0);	(654929.8,
4182157.0, 8.5,	8.5,	0.0);		
(654979.8, 4182157.0,	8.3,	8.3,	0.0);	(655029.8,
4182157.0, 8.4,	8.4,	0.0);		
(655079.8, 4182157.0,	8.4,	8.4,	0.0);	(655129.8,
4182157.0, 8.4,	8.4,	0.0);		
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4182207.0, 6.3,	6.3,	0.0);		
(652779.8, 4182207.0,	6.3,	6.3,	0.0);	(652829.8,
4182207.0, 6.3,	6.3,	0.0);		
(652879.8, 4182207.0,	6.4,	6.4,	0.0);	(652929.8,
4182207.0, 6.5,	6.5,	0.0);		
(652979.8, 4182207.0,	6.6,	6.6,	0.0);	(653029.8,
4182207.0, 6.7,	6.7,	0.0);		
(653079.8, 4182207.0,	6.8,	6.8,	0.0);	(653129.8,
4182207.0, 6.8,	6.8,	0.0);		
(653179.8, 4182207.0,	6.8,	6.8,	0.0);	(653229.8,
4182207.0, 6.8,	6.8,	0.0);		
(653279.8, 4182207.0,	6.7,	6.7,	0.0);	(653329.8,
4182207.0, 6.5,	6.5,	0.0);		
(653379.8, 4182207.0,	6.5,	6.5,	0.0);	(653429.8,
4182207.0, 6.6,	6.6,	0.0);		
(653479.8, 4182207.0,	6.7,	6.7,	0.0);	(653529.8,
4182207.0, 6.8,	6.8,	0.0);		
(653579.8, 4182207.0,	6.8,	6.8,	0.0);	(653629.8,
4182207.0, 7.0,	7.0,	0.0);		
(653679.8, 4182207.0,	7.1,	7.1,	0.0);	(653729.8,
4182207.0, 7.2,	7.2,	0.0);		
(653779.8, 4182207.0,	7.3,	7.3,	0.0);	(653829.8,


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  ( 653879.8, 4182207.0,      7.6,      7.6,      0.0);      ( 653929.8,
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  ( 653979.8, 4182207.0,      7.8,      7.8,      0.0);      ( 654029.8,
4182207.0,      7.9,      7.9,      0.0);
  ( 654079.8, 4182207.0,      8.0,      8.0,      0.0);      ( 654129.8,
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  ( 654179.8, 4182207.0,      8.0,      8.0,      0.0);      ( 654229.8,
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  ( 654279.8, 4182207.0,      8.1,      8.1,      0.0);      ( 654329.8,
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  ( 654679.8, 4182207.0,      8.6,      8.6,      0.0);      ( 654729.8,
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  ( 654879.8, 4182207.0,      8.7,      8.7,      0.0);      ( 654929.8,
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  ( 655079.8, 4182207.0,      8.3,      8.3,      0.0);      ( 655129.8,
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  ( 653179.8, 4182257.0,      6.9,      6.9,      0.0);      ( 653229.8,
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  ( 653279.8, 4182257.0,      6.6,      6.6,      0.0);      ( 653329.8,
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  ( 653379.8, 4182257.0,      6.6,      6.6,      0.0);      ( 653429.8,
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  ( 653579.8, 4182257.0,      6.9,      6.9,      0.0);      ( 653629.8,
4182257.0,      7.0,      7.0,      0.0);

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▲ *** AERMOD - VERSION 21112 ***      *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***      03/03/22

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*** AERMET - VERSION 18081 ***      ***

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11:24:15

PAGE 14

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(653879.8, 4182257.0,	7.5,	7.5,	0.0);	(653929.8,
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(654179.8, 4182257.0,	8.1,	8.1,	0.0);	(654229.8,
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(654279.8, 4182257.0,	8.2,	8.2,	0.0);	(654329.8,
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 (653479.8, 4182307.0, 6.8, 6.8, 0.0); (653529.8,
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 (653879.8, 4182307.0, 7.5, 7.5, 0.0); (653929.8,
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 (654079.8, 4182307.0, 8.2, 8.2, 0.0); (654129.8,
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 (654179.8, 4182307.0, 8.3, 8.3, 0.0); (654229.8,
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 (654579.8, 4182307.0, 8.4, 8.4, 0.0); (654629.8,
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 (654679.8, 4182307.0, 8.6, 8.6, 0.0); (654729.8,
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 (652979.8, 4182357.0, 6.4, 6.4, 0.0); (653029.8,
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 (653079.8, 4182357.0, 6.2, 6.2, 0.0); (653129.8,
 4182357.0, 6.1, 6.1, 0.0);

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(653179.8, 4182357.0,	5.9,	5.9,	0.0);	(653229.8,
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(653279.8, 4182357.0,	5.5,	5.5,	0.0);	(653329.8,
4182357.0,	5.5,	5.5,	0.0);	
(653379.8, 4182357.0,	5.5,	5.5,	0.0);	(653429.8,
4182357.0,	5.8,	5.8,	0.0);	
(653479.8, 4182357.0,	6.7,	6.7,	0.0);	(653529.8,
4182357.0,	6.9,	6.9,	0.0);	
(653579.8, 4182357.0,	7.0,	7.0,	0.0);	(653629.8,
4182357.0,	7.0,	7.0,	0.0);	
(653679.8, 4182357.0,	7.1,	7.1,	0.0);	(653729.8,
4182357.0,	7.1,	7.1,	0.0);	
(653779.8, 4182357.0,	7.2,	7.2,	0.0);	(653829.8,
4182357.0,	7.3,	7.3,	0.0);	
(653879.8, 4182357.0,	7.5,	7.5,	0.0);	(653929.8,
4182357.0,	7.7,	7.7,	0.0);	
(653979.8, 4182357.0,	7.9,	7.9,	0.0);	(654029.8,
4182357.0,	8.1,	8.1,	0.0);	
(654079.8, 4182357.0,	8.2,	8.2,	0.0);	(654129.8,
4182357.0,	8.3,	8.3,	0.0);	
(654179.8, 4182357.0,	8.3,	8.3,	0.0);	(654229.8,
4182357.0,	8.4,	8.4,	0.0);	
(654279.8, 4182357.0,	8.4,	8.4,	0.0);	(654329.8,
4182357.0,	8.4,	8.4,	0.0);	
(654379.8, 4182357.0,	8.3,	8.3,	0.0);	(654429.8,
4182357.0,	8.4,	8.4,	0.0);	
(654479.8, 4182357.0,	8.4,	8.4,	0.0);	(654529.8,
4182357.0,	8.4,	8.4,	0.0);	
(654579.8, 4182357.0,	8.5,	8.5,	0.0);	(654629.8,
4182357.0,	8.6,	8.6,	0.0);	
(654679.8, 4182357.0,	8.6,	8.6,	0.0);	(654729.8,
4182357.0,	8.6,	8.6,	0.0);	
(654779.8, 4182357.0,	8.7,	8.7,	0.0);	(654829.8,
4182357.0,	8.7,	8.7,	0.0);	
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(654979.8, 4182357.0,	8.6,	8.6,	0.0);	(655029.8,
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(655079.8, 4182357.0,	8.4,	8.4,	0.0);	(655129.8,

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(652779.8, 4182407.0, 6.1, 6.1, 0.0); (652829.8,
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(652879.8, 4182407.0, 5.1, 5.1, 0.0); (652929.8,
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(654079.8, 4182407.0, 8.2, 8.2, 0.0); (654129.8,
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(654279.8, 4182407.0, 8.3, 8.3, 0.0); (654329.8,
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(655079.8, 4182407.0, 8.4, 8.4, 0.0); (655129.8,

4182407.0, 8.3, 8.3, 0.0);
 ▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(652679.8, 4182457.0,	5.8,	5.8,	0.0);	(652729.8,
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(652779.8, 4182457.0,	6.0,	6.0,	0.0);	(652829.8,
4182457.0, 5.9,	5.9,	0.0);		
(652879.8, 4182457.0,	4.7,	4.7,	0.0);	(652929.8,
4182457.0, 4.8,	4.8,	0.0);		
(652979.8, 4182457.0,	5.2,	5.2,	0.0);	(653029.8,
4182457.0, 5.6,	5.6,	0.0);		
(653079.8, 4182457.0,	5.4,	5.4,	0.0);	(653129.8,
4182457.0, 5.4,	5.4,	0.0);		
(653179.8, 4182457.0,	5.3,	5.3,	0.0);	(653229.8,
4182457.0, 5.3,	5.3,	0.0);		
(653279.8, 4182457.0,	5.4,	5.4,	0.0);	(653329.8,
4182457.0, 5.4,	5.4,	0.0);		
(653379.8, 4182457.0,	5.3,	5.3,	0.0);	(653429.8,
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4182457.0, 6.8,	6.8,	0.0);		
(653579.8, 4182457.0,	6.8,	6.8,	0.0);	(653629.8,
4182457.0, 6.9,	6.9,	0.0);		
(653679.8, 4182457.0,	7.0,	7.0,	0.0);	(653729.8,
4182457.0, 7.0,	7.0,	0.0);		
(653779.8, 4182457.0,	7.1,	7.1,	0.0);	(653829.8,
4182457.0, 7.2,	7.2,	0.0);		
(653879.8, 4182457.0,	7.4,	7.4,	0.0);	(653929.8,
4182457.0, 7.5,	7.5,	0.0);		
(653979.8, 4182457.0,	7.8,	7.8,	0.0);	(654029.8,
4182457.0, 8.0,	8.0,	0.0);		
(654079.8, 4182457.0,	8.1,	8.1,	0.0);	(654129.8,
4182457.0, 8.3,	8.3,	0.0);		
(654179.8, 4182457.0,	8.3,	8.3,	0.0);	(654229.8,
4182457.0, 8.4,	8.4,	0.0);		
(654279.8, 4182457.0,	8.3,	8.3,	0.0);	(654329.8,
4182457.0, 8.4,	8.4,	0.0);		
(654379.8, 4182457.0,	8.4,	8.4,	0.0);	(654429.8,
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(654479.8, 4182507.0, 8.4, 8.4, 0.0); (654529.8,

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(654579.8, 4182507.0, 8.4, 8.4, 0.0); (654629.8,
4182507.0, 8.4, 8.4, 0.0);

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Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 ***

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(654679.8, 4182507.0, 8.4, 8.4, 0.0); (654729.8,
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(653179.8, 4182557.0, 5.4, 5.4, 0.0); (653229.8,
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(652979.8, 4182607.0, 5.6, 5.6, 0.0); (653029.8,
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(653079.8, 4182607.0, 5.4, 5.4, 0.0); (653129.8,
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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 (654579.8, 4182607.0, 8.3, 8.3, 0.0); (654629.8,
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 (654679.8, 4182607.0, 8.3, 8.3, 0.0); (654729.8,
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▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
 *** 11:24:15

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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^ *** AERMOD - VERSION 21112 ***      *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***      03/03/22
*** AERMET - VERSION 18081 ***      ***
***      11:24:15

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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^ *** AERMOD - VERSION 21112 ***      *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***      03/03/22
*** AERMET - VERSION 18081 ***      ***
***      11:24:15

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(653079.8, 4182957.0, 6.8, 6.8, 0.0); (653129.8,
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(653179.8, 4182957.0, 6.8, 6.8, 0.0); (653229.8,
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(653279.8, 4182957.0, 7.0, 7.0, 0.0); (653329.8,
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(653379.8, 4182957.0, 7.1, 7.1, 0.0); (653429.8,
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(654279.8, 4182957.0, 8.0, 8.0, 0.0); (654329.8,
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(654579.8, 4182957.0, 8.5, 8.5, 0.0); (654629.8,
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 (652879.8, 4183007.0, 6.5, 6.5, 0.0); (652929.8,
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 (652979.8, 4183007.0, 6.7, 6.7, 0.0); (653029.8,
 4183007.0, 6.8, 6.8, 0.0);

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(653079.8, 4183007.0, 6.8, 6.8, 0.0); (653129.8,
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 (654479.8, 4183007.0, 8.3, 8.3, 0.0); (654529.8,

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(654579.8, 4183007.0, 8.4, 8.4, 0.0); (654629.8,
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(654629.8, 4183057.0, 8.4, 8.4, 0.0); (654679.8,

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 (654929.8, 4183057.0, 8.7, 8.7, 0.0); (654979.8,
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 (655129.8, 4183057.0, 9.1, 9.1, 0.0); (652679.8,
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 (652729.8, 4183107.0, 6.6, 6.6, 0.0); (652779.8,
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 (652829.8, 4183107.0, 6.8, 6.8, 0.0); (652879.8,
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(652929.8, 4183107.0, 6.8, 6.8, 0.0); (652979.8,
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 4183107.0, 6.8, 6.8, 0.0);
 (653129.8, 4183107.0, 6.8, 6.8, 0.0); (653179.8,
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 (652929.8, 4183157.0, 6.8, 6.8, 0.0); (652979.8,
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 (653929.8, 4183157.0, 8.2, 8.2, 0.0); (653979.8,
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 (654029.8, 4183157.0, 8.3, 8.3, 0.0); (654079.8,
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 (654129.8, 4183157.0, 8.3, 8.3, 0.0); (654179.8,
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 (654229.8, 4183157.0, 8.3, 8.3, 0.0); (654279.8,

4183157.0, 8.3, 8.3, 0.0);
 (654329.8, 4183157.0, 8.3, 8.3, 0.0); (654379.8,
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 (654529.8, 4183157.0, 8.4, 8.4, 0.0); (654579.8,
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 (654629.8, 4183157.0, 8.4, 8.4, 0.0); (654679.8,
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 (654729.8, 4183157.0, 8.5, 8.5, 0.0); (654779.8,
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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*** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
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4183557.0,      6.8,      6.8,      0.0);

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^ *** AERMOD - VERSION 21112 ***      *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***      03/03/22
*** AERMET - VERSION 18081 ***      ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
 *** 11:24:15

PAGE 31

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(654129.8, 4183807.0, 8.9, 8.9, 0.0); (654179.8,
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*** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
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*** AERMET - VERSION 18081 ***

*** 11:24:15

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(653629.8, 4183907.0, 8.8, 8.8, 0.0); (653679.8,
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▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
 *** 11:24:15

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR
 PROCESSING ***

(1=YES; 0=NO)

Year: 2017

Year: 2017

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							
17	01	01	1	01	-21.5	0.209	-9.000	-9.000	-999.	230.	48.2	0.02	0.81	
1.00	3.36	111.	10.0	275.9	2.0									
17	01	01	1	02	-20.7	0.201	-9.000	-9.000	-999.	216.	44.3	0.05	0.81	
1.00	2.86	158.	10.0	274.9	2.0									
17	01	01	1	03	-31.3	0.306	-9.000	-9.000	-999.	406.	103.0	0.05	0.81	
1.00	4.28	154.	10.0	277.0	2.0									
17	01	01	1	04	-36.5	0.356	-9.000	-9.000	-999.	511.	139.7	0.06	0.81	
1.00	4.76	142.	10.0	277.0	2.0									
17	01	01	1	05	-39.1	0.382	-9.000	-9.000	-999.	567.	160.7	0.06	0.81	
1.00	5.09	137.	10.0	277.0	2.0									
17	01	01	1	06	-38.5	0.374	-9.000	-9.000	-999.	550.	154.2	0.06	0.81	
1.00	4.99	136.	10.0	275.9	2.0									
17	01	01	1	07	-33.0	0.321	-9.000	-9.000	-999.	439.	113.6	0.06	0.81	
1.00	4.31	146.	10.0	275.9	2.0									
17	01	01	1	08	-16.7	0.174	-9.000	-9.000	-999.	189.	33.2	0.06	0.81	
0.73	2.40	138.	10.0	275.9	2.0									
17	01	01	1	09	-15.0	0.341	-9.000	-9.000	-999.	479.	239.5	0.06	0.81	
0.39	4.49	129.	10.0	277.5	2.0									
17	01	01	1	10	45.9	0.512	1.006	0.018	803.	879.	-264.5	0.06	0.81	
0.27	6.41	148.	10.0	280.4	2.0									
17	01	01	1	11	72.4	0.480	1.271	0.020	1025.	800.	-138.1	0.06	0.81	
0.23	5.90	143.	10.0	282.5	2.0									
17	01	01	1	12	92.0	0.348	1.403	0.019	1086.	506.	-41.4	0.05	0.81	
0.22	4.20	164.	10.0	283.1	2.0									
17	01	01	1	13	94.2	0.263	1.417	0.019	1090.	328.	-17.4	0.05	0.81	
0.21	2.96	173.	10.0	284.2	2.0									
17	01	01	1	14	81.9	0.276	1.354	0.018	1094.	348.	-23.2	0.05	0.81	
0.22	3.19	178.	10.0	284.2	2.0									
17	01	01	1	15	56.9	0.380	1.200	0.018	1097.	561.	-86.6	0.04	0.81	
0.26	4.92	207.	10.0	285.4	2.0									
17	01	01	1	16	13.3	0.373	0.740	0.018	1097.	548.	-352.6	0.04	0.81	
0.35	5.04	214.	10.0	284.2	2.0									
17	01	01	1	17	-23.7	0.255	-9.000	-9.000	-999.	317.	71.4	0.04	0.81	
0.60	3.69	195.	10.0	283.1	2.0									
17	01	01	1	18	-21.4	0.212	-9.000	-9.000	-999.	235.	49.5	0.04	0.81	
1.00	3.10	230.	10.0	280.9	2.0									
17	01	01	1	19	-26.8	0.266	-9.000	-9.000	-999.	329.	77.8	0.04	0.81	
1.00	3.85	221.	10.0	280.9	2.0									
17	01	01	1	20	-25.5	0.252	-9.000	-9.000	-999.	304.	70.0	0.04	0.81	
1.00	3.66	211.	10.0	279.9	2.0									
17	01	01	1	21	-24.3	0.239	-9.000	-9.000	-999.	280.	62.6	0.04	0.81	
1.00	3.47	228.	10.0	278.1	2.0									
17	01	01	1	22	-22.6	0.222	-9.000	-9.000	-999.	251.	54.2	0.04	0.81	

```

1.00  3.24  200.  10.0  279.2  2.0
  17 01 01  1 23 -21.7  0.214 -9.000 -9.000 -999.  238.  50.5  0.04  0.81
1.00  3.13  211.  10.0  280.4  2.0
  17 01 01  1 24 -18.5  0.181 -9.000 -9.000 -999.  185.  36.0  0.04  0.81
1.00  2.67  190.  10.0  278.1  2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F  WDIR  WSPD AMB_TMP sigmaA  sigmaW  sigmaV
17 01 01 01  10.0 1  111.  3.36  276.0  99.0  -99.00 -99.00

```

F indicates top of profile (=1) or below (=0)

```

^ *** AERMOD - VERSION 21112 ***   *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***   03/03/22
*** AERMET - VERSION 18081 ***   ***
***                               ***   11:24:15

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 8760 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
4181556.98	652679.81	4181556.98	0.00010	652729.81
4181556.98	652779.81	4181556.98	0.00011	652829.81
4181556.98	652879.81	4181556.98	0.00012	652929.81
4181556.98	652979.81	4181556.98	0.00012	653029.81
4181556.98	653079.81	4181556.98	0.00013	653129.81
4181556.98	653179.81	4181556.98	0.00014	653229.81
4181556.98	653279.81	4181556.98	0.00015	653329.81
4181556.98	653379.81	4181556.98	0.00015	653429.81

4181556.98	653479.81	4181556.98	0.00015	653529.81
4181556.98	653579.81	4181556.98	0.00015	653629.81
4181556.98	653679.81	4181556.98	0.00014	653729.81
4181556.98	653779.81	4181556.98	0.00014	653829.81
4181556.98	653879.81	4181556.98	0.00014	653929.81
4181556.98	653979.81	4181556.98	0.00015	654029.81
4181556.98	654079.81	4181556.98	0.00017	654129.81
4181556.98	654179.81	4181556.98	0.00021	654229.81
4181556.98	654279.81	4181556.98	0.00025	654329.81
4181556.98	654379.81	4181556.98	0.00029	654429.81
4181556.98	654479.81	4181556.98	0.00033	654529.81
4181556.98	654579.81	4181556.98	0.00036	654629.81
4181556.98	654679.81	4181556.98	0.00038	654729.81
4181556.98	654779.81	4181556.98	0.00040	654829.81
4181556.98	654879.81	4181556.98	0.00041	654929.81
4181556.98	654979.81	4181556.98	0.00041	655029.81
4181556.98	655079.81	4181556.98	0.00041	655129.81
4181606.98	652679.81	4181606.98	0.00010	652729.81
4181606.98	652779.81	4181606.98	0.00011	652829.81
4181606.98	652879.81	4181606.98	0.00012	652929.81
4181606.98	652979.81	4181606.98	0.00013	653029.81
4181606.98	653079.81	4181606.98	0.00014	653129.81
4181606.98	653179.81	4181606.98	0.00015	653229.81
4181606.98	653279.81	4181606.98	0.00015	653329.81
4181606.98	653379.81	4181606.98	0.00016	653429.81
4181606.98				

653479.81	4181606.98	0.00016	653529.81
4181606.98	0.00016		
653579.81	4181606.98	0.00016	653629.81
4181606.98	0.00016		
653679.81	4181606.98	0.00015	653729.81
4181606.98	0.00015		
653779.81	4181606.98	0.00015	653829.81
4181606.98	0.00015		
653879.81	4181606.98	0.00015	653929.81
4181606.98	0.00015		
653979.81	4181606.98	0.00016	654029.81
4181606.98	0.00018		
654079.81	4181606.98	0.00019	654129.81
4181606.98	0.00021		

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654179.81	4181606.98	0.00023	654229.81
4181606.98	0.00026		
654279.81	4181606.98	0.00028	654329.81
4181606.98	0.00030		
654379.81	4181606.98	0.00032	654429.81
4181606.98	0.00034		
654479.81	4181606.98	0.00036	654529.81
4181606.98	0.00038		
654579.81	4181606.98	0.00039	654629.81
4181606.98	0.00040		
654679.81	4181606.98	0.00041	654729.81
4181606.98	0.00042		
654779.81	4181606.98	0.00043	654829.81
4181606.98	0.00043		

654879.81	4181606.98	0.00044	654929.81
4181606.98	0.00044		
654979.81	4181606.98	0.00044	655029.81
4181606.98	0.00044		
655079.81	4181606.98	0.00043	655129.81
4181606.98	0.00043		
652679.81	4181656.98	0.00010	652729.81
4181656.98	0.00011		
652779.81	4181656.98	0.00011	652829.81
4181656.98	0.00012		
652879.81	4181656.98	0.00012	652929.81
4181656.98	0.00013		
652979.81	4181656.98	0.00013	653029.81
4181656.98	0.00014		
653079.81	4181656.98	0.00014	653129.81
4181656.98	0.00015		
653179.81	4181656.98	0.00015	653229.81
4181656.98	0.00016		
653279.81	4181656.98	0.00016	653329.81
4181656.98	0.00016		
653379.81	4181656.98	0.00017	653429.81
4181656.98	0.00017		
653479.81	4181656.98	0.00017	653529.81
4181656.98	0.00017		
653579.81	4181656.98	0.00017	653629.81
4181656.98	0.00017		
653679.81	4181656.98	0.00016	653729.81
4181656.98	0.00016		
653779.81	4181656.98	0.00016	653829.81
4181656.98	0.00016		
653879.81	4181656.98	0.00016	653929.81
4181656.98	0.00017		
653979.81	4181656.98	0.00018	654029.81
4181656.98	0.00019		
654079.81	4181656.98	0.00021	654129.81
4181656.98	0.00023		
654179.81	4181656.98	0.00026	654229.81
4181656.98	0.00028		
654279.81	4181656.98	0.00031	654329.81
4181656.98	0.00033		
654379.81	4181656.98	0.00036	654429.81
4181656.98	0.00038		
654479.81	4181656.98	0.00040	654529.81
4181656.98	0.00041		
654579.81	4181656.98	0.00043	654629.81
4181656.98	0.00044		
654679.81	4181656.98	0.00045	654729.81
4181656.98	0.00046		
654779.81	4181656.98	0.00046	654829.81
4181656.98	0.00047		

654879.81	4181656.98	0.00047	654929.81
4181656.98	0.00047		
654979.81	4181656.98	0.00047	655029.81
4181656.98	0.00046		
655079.81	4181656.98	0.00046	655129.81
4181656.98	0.00045		
652679.81	4181706.98	0.00010	652729.81
4181706.98	0.00011		
652779.81	4181706.98	0.00011	652829.81
4181706.98	0.00012		
652879.81	4181706.98	0.00013	652929.81
4181706.98	0.00013		
652979.81	4181706.98	0.00014	653029.81
4181706.98	0.00014		
653079.81	4181706.98	0.00015	653129.81
4181706.98	0.00015		

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
653179.81	4181706.98	0.00016	653229.81
4181706.98	0.00016		
653279.81	4181706.98	0.00017	653329.81
4181706.98	0.00017		
653379.81	4181706.98	0.00018	653429.81
4181706.98	0.00018		
653479.81	4181706.98	0.00018	653529.81
4181706.98	0.00018		
653579.81	4181706.98	0.00018	653629.81
4181706.98	0.00018		
653679.81	4181706.98	0.00017	653729.81
4181706.98	0.00017		

4181706.98	653779.81	4181706.98	0.00017	653829.81
4181706.98	0.00017			
4181706.98	653879.81	4181706.98	0.00017	653929.81
4181706.98	0.00018			
4181706.98	653979.81	4181706.98	0.00019	654029.81
4181706.98	0.00021			
4181706.98	654079.81	4181706.98	0.00023	654129.81
4181706.98	0.00026			
4181706.98	654179.81	4181706.98	0.00029	654229.81
4181706.98	0.00032			
4181706.98	654279.81	4181706.98	0.00035	654329.81
4181706.98	0.00037			
4181706.98	654379.81	4181706.98	0.00040	654429.81
4181706.98	0.00042			
4181706.98	654479.81	4181706.98	0.00044	654529.81
4181706.98	0.00045			
4181706.98	654579.81	4181706.98	0.00047	654629.81
4181706.98	0.00048			
4181706.98	654679.81	4181706.98	0.00049	654729.81
4181706.98	0.00050			
4181706.98	654779.81	4181706.98	0.00050	654829.81
4181706.98	0.00050			
4181706.98	654879.81	4181706.98	0.00050	654929.81
4181706.98	0.00050			
4181706.98	654979.81	4181706.98	0.00049	655029.81
4181706.98	0.00049			
4181706.98	655079.81	4181706.98	0.00048	655129.81
4181706.98	0.00047			
4181756.98	652679.81	4181756.98	0.00010	652729.81
4181756.98	0.00011			
4181756.98	652779.81	4181756.98	0.00011	652829.81
4181756.98	0.00012			
4181756.98	652879.81	4181756.98	0.00013	652929.81
4181756.98	0.00013			
4181756.98	652979.81	4181756.98	0.00014	653029.81
4181756.98	0.00015			
4181756.98	653079.81	4181756.98	0.00015	653129.81
4181756.98	0.00016			
4181756.98	653179.81	4181756.98	0.00017	653229.81
4181756.98	0.00017			
4181756.98	653279.81	4181756.98	0.00018	653329.81
4181756.98	0.00018			
4181756.98	653379.81	4181756.98	0.00019	653429.81
4181756.98	0.00019			
4181756.98	653479.81	4181756.98	0.00019	653529.81
4181756.98	0.00019			
4181756.98	653579.81	4181756.98	0.00019	653629.81
4181756.98	0.00019			
4181756.98	653679.81	4181756.98	0.00019	653729.81
4181756.98	0.00018			

653779.81	4181756.98	0.00018	653829.81
4181756.98	0.00018		
653879.81	4181756.98	0.00019	653929.81
4181756.98	0.00020		
653979.81	4181756.98	0.00021	654029.81
4181756.98	0.00024		
654079.81	4181756.98	0.00026	654129.81
4181756.98	0.00029		
654179.81	4181756.98	0.00032	654229.81
4181756.98	0.00036		
654279.81	4181756.98	0.00039	654329.81
4181756.98	0.00041		
654379.81	4181756.98	0.00044	654429.81
4181756.98	0.00046		
654479.81	4181756.98	0.00048	654529.81
4181756.98	0.00050		
654579.81	4181756.98	0.00051	654629.81
4181756.98	0.00052		

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654679.81	4181756.98	0.00053	654729.81
4181756.98	0.00054		
654779.81	4181756.98	0.00054	654829.81
4181756.98	0.00054		
654879.81	4181756.98	0.00054	654929.81
4181756.98	0.00053		
654979.81	4181756.98	0.00052	655029.81
4181756.98	0.00051		
655079.81	4181756.98	0.00050	655129.81
4181756.98	0.00049		

4181806.98	652679.81	4181806.98	0.00010	652729.81
4181806.98	0.00011			
4181806.98	652779.81	4181806.98	0.00012	652829.81
4181806.98	0.00012			
4181806.98	652879.81	4181806.98	0.00013	652929.81
4181806.98	0.00014			
4181806.98	652979.81	4181806.98	0.00015	653029.81
4181806.98	0.00015			
4181806.98	653079.81	4181806.98	0.00016	653129.81
4181806.98	0.00017			
4181806.98	653179.81	4181806.98	0.00017	653229.81
4181806.98	0.00018			
4181806.98	653279.81	4181806.98	0.00019	653329.81
4181806.98	0.00019			
4181806.98	653379.81	4181806.98	0.00020	653429.81
4181806.98	0.00020			
4181806.98	653479.81	4181806.98	0.00021	653529.81
4181806.98	0.00021			
4181806.98	653579.81	4181806.98	0.00021	653629.81
4181806.98	0.00020			
4181806.98	653679.81	4181806.98	0.00020	653729.81
4181806.98	0.00020			
4181806.98	653779.81	4181806.98	0.00020	653829.81
4181806.98	0.00020			
4181806.98	653879.81	4181806.98	0.00021	653929.81
4181806.98	0.00022			
4181806.98	653979.81	4181806.98	0.00024	654029.81
4181806.98	0.00026			
4181806.98	654079.81	4181806.98	0.00029	654129.81
4181806.98	0.00033			
4181806.98	654179.81	4181806.98	0.00036	654229.81
4181806.98	0.00040			
4181806.98	654279.81	4181806.98	0.00043	654329.81
4181806.98	0.00046			
4181806.98	654379.81	4181806.98	0.00049	654429.81
4181806.98	0.00051			
4181806.98	654479.81	4181806.98	0.00053	654529.81
4181806.98	0.00055			
4181806.98	654579.81	4181806.98	0.00056	654629.81
4181806.98	0.00057			
4181806.98	654679.81	4181806.98	0.00058	654729.81
4181806.98	0.00058			
4181806.98	654779.81	4181806.98	0.00058	654829.81
4181806.98	0.00058			
4181806.98	654879.81	4181806.98	0.00057	654929.81
4181806.98	0.00056			
4181806.98	654979.81	4181806.98	0.00055	655029.81
4181806.98	0.00054			
4181806.98	655079.81	4181806.98	0.00053	655129.81
4181806.98	0.00051			

4181856.98	652679.81	4181856.98	0.00010	652729.81
4181856.98	0.00011			
4181856.98	652779.81	4181856.98	0.00012	652829.81
4181856.98	0.00012			
4181856.98	652879.81	4181856.98	0.00013	652929.81
4181856.98	0.00014			
4181856.98	652979.81	4181856.98	0.00015	653029.81
4181856.98	0.00016			
4181856.98	653079.81	4181856.98	0.00017	653129.81
4181856.98	0.00017			
4181856.98	653179.81	4181856.98	0.00018	653229.81
4181856.98	0.00019			
4181856.98	653279.81	4181856.98	0.00020	653329.81
4181856.98	0.00020			
4181856.98	653379.81	4181856.98	0.00021	653429.81
4181856.98	0.00022			
4181856.98	653479.81	4181856.98	0.00022	653529.81
4181856.98	0.00022			
4181856.98	653579.81	4181856.98	0.00022	653629.81
4181856.98	0.00022			

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	
Y-COORD (M)	CONC			
4181856.98	653679.81	4181856.98	0.00022	653729.81
4181856.98	0.00022			
4181856.98	653779.81	4181856.98	0.00022	653829.81
4181856.98	0.00022			
4181856.98	653879.81	4181856.98	0.00023	653929.81
4181856.98	0.00024			
4181856.98	653979.81	4181856.98	0.00027	654029.81
4181856.98	0.00030			

4181856.98	654079.81	4181856.98	0.00033	654129.81
4181856.98	0.00037			
4181856.98	654179.81	4181856.98	0.00041	654229.81
4181856.98	0.00045			
4181856.98	654279.81	4181856.98	0.00049	654329.81
4181856.98	0.00052			
4181856.98	654379.81	4181856.98	0.00055	654429.81
4181856.98	0.00057			
4181856.98	654479.81	4181856.98	0.00059	654529.81
4181856.98	0.00061			
4181856.98	654579.81	4181856.98	0.00062	654629.81
4181856.98	0.00063			
4181856.98	654679.81	4181856.98	0.00063	654729.81
4181856.98	0.00063			
4181856.98	654779.81	4181856.98	0.00063	654829.81
4181856.98	0.00062			
4181856.98	654879.81	4181856.98	0.00061	654929.81
4181856.98	0.00060			
4181856.98	654979.81	4181856.98	0.00058	655029.81
4181856.98	0.00057			
4181856.98	655079.81	4181856.98	0.00055	655129.81
4181856.98	0.00053			
4181906.98	652679.81	4181906.98	0.00010	652729.81
4181906.98	0.00011			
4181906.98	652779.81	4181906.98	0.00012	652829.81
4181906.98	0.00013			
4181906.98	652879.81	4181906.98	0.00013	652929.81
4181906.98	0.00014			
4181906.98	652979.81	4181906.98	0.00015	653029.81
4181906.98	0.00016			
4181906.98	653079.81	4181906.98	0.00017	653129.81
4181906.98	0.00018			
4181906.98	653179.81	4181906.98	0.00019	653229.81
4181906.98	0.00020			
4181906.98	653279.81	4181906.98	0.00021	653329.81
4181906.98	0.00022			
4181906.98	653379.81	4181906.98	0.00022	653429.81
4181906.98	0.00023			
4181906.98	653479.81	4181906.98	0.00024	653529.81
4181906.98	0.00024			
4181906.98	653579.81	4181906.98	0.00024	653629.81
4181906.98	0.00024			
4181906.98	653679.81	4181906.98	0.00024	653729.81
4181906.98	0.00024			
4181906.98	653779.81	4181906.98	0.00024	653829.81
4181906.98	0.00024			
4181906.98	653879.81	4181906.98	0.00025	653929.81
4181906.98	0.00027			
4181906.98	653979.81	4181906.98	0.00030	654029.81
4181906.98	0.00034			

4181906.98	654079.81	4181906.98	0.00038	654129.81
			0.00042	
4181906.98	654179.81	4181906.98	0.00047	654229.81
			0.00051	
4181906.98	654279.81	4181906.98	0.00055	654329.81
			0.00059	
4181906.98	654379.81	4181906.98	0.00062	654429.81
			0.00064	
4181906.98	654479.81	4181906.98	0.00066	654529.81
			0.00068	
4181906.98	654579.81	4181906.98	0.00069	654629.81
			0.00069	
4181906.98	654679.81	4181906.98	0.00069	654729.81
			0.00068	
4181906.98	654779.81	4181906.98	0.00067	654829.81
			0.00066	
4181906.98	654879.81	4181906.98	0.00065	654929.81
			0.00063	
4181906.98	654979.81	4181906.98	0.00061	655029.81
			0.00059	
4181906.98	655079.81	4181906.98	0.00057	655129.81
			0.00055	

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
652679.81	4181956.98	0.00011	652729.81
4181956.98	0.00011		
652779.81	4181956.98	0.00012	652829.81
4181956.98	0.00013		
652879.81	4181956.98	0.00014	652929.81
4181956.98	0.00015		

4181956.98	652979.81	4181956.98	0.00016	653029.81
4181956.98	653079.81	4181956.98	0.00017	653129.81
4181956.98	653179.81	4181956.98	0.00018	653229.81
4181956.98	653279.81	4181956.98	0.00019	653329.81
4181956.98	653379.81	4181956.98	0.00020	653429.81
4181956.98	653479.81	4181956.98	0.00021	653529.81
4181956.98	653579.81	4181956.98	0.00022	653629.81
4181956.98	653679.81	4181956.98	0.00023	653729.81
4181956.98	653779.81	4181956.98	0.00024	653829.81
4181956.98	653879.81	4181956.98	0.00025	653929.81
4181956.98	653979.81	4181956.98	0.00026	654029.81
4181956.98	654079.81	4181956.98	0.00026	654129.81
4181956.98	654179.81	4181956.98	0.00026	654229.81
4181956.98	654279.81	4181956.98	0.00026	654329.81
4181956.98	654379.81	4181956.98	0.00026	654429.81
4181956.98	654479.81	4181956.98	0.00026	654529.81
4181956.98	654579.81	4181956.98	0.00026	654629.81
4181956.98	654679.81	4181956.98	0.00026	654729.81
4181956.98	654779.81	4181956.98	0.00026	654829.81
4181956.98	654879.81	4181956.98	0.00026	654929.81
4181956.98	654979.81	4181956.98	0.00026	655029.81
4181956.98	655079.81	4181956.98	0.00026	655129.81
4182006.98	652679.81	4182006.98	0.00059	652729.81
4182006.98	652779.81	4182006.98	0.00011	652829.81
4182006.98	652879.81	4182006.98	0.00012	652929.81
4182006.98	652979.81	4182006.98	0.00013	
4182006.98	653079.81	4182006.98	0.00014	
4182006.98	653179.81	4182006.98	0.00015	

4182006.98	652979.81	4182006.98	0.00016	653029.81
			0.00017	
4182006.98	653079.81	4182006.98	0.00019	653129.81
			0.00020	
4182006.98	653179.81	4182006.98	0.00021	653229.81
			0.00022	
4182006.98	653279.81	4182006.98	0.00023	653329.81
			0.00025	
4182006.98	653379.81	4182006.98	0.00026	653429.81
			0.00027	
4182006.98	653479.81	4182006.98	0.00027	653529.81
			0.00028	
4182006.98	653579.81	4182006.98	0.00028	653629.81
			0.00028	
4182006.98	653679.81	4182006.98	0.00028	653729.81
			0.00028	
4182006.98	653779.81	4182006.98	0.00029	653829.81
			0.00030	
4182006.98	653879.81	4182006.98	0.00032	653929.81
			0.00035	
4182006.98	653979.81	4182006.98	0.00039	654029.81
			0.00044	
4182006.98	654079.81	4182006.98	0.00050	654129.81
			0.00056	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654179.81	4182006.98	0.00062	654229.81
4182006.98	0.00067		
654279.81	4182006.98	0.00072	654329.81
4182006.98	0.00076		

4182006.98	654379.81	4182006.98	0.00079	654429.81
4182006.98	0.00081			
4182006.98	654479.81	4182006.98	0.00083	654529.81
4182006.98	0.00083			
4182006.98	654579.81	4182006.98	0.00083	654629.81
4182006.98	0.00083			
4182006.98	654679.81	4182006.98	0.00081	654729.81
4182006.98	0.00079			
4182006.98	654779.81	4182006.98	0.00077	654829.81
4182006.98	0.00075			
4182006.98	654879.81	4182006.98	0.00072	654929.81
4182006.98	0.00069			
4182006.98	654979.81	4182006.98	0.00067	655029.81
4182006.98	0.00064			
4182006.98	655079.81	4182006.98	0.00061	655129.81
4182006.98	0.00058			
4182056.98	652679.81	4182056.98	0.00011	652729.81
4182056.98	0.00012			
4182056.98	652779.81	4182056.98	0.00013	652829.81
4182056.98	0.00013			
4182056.98	652879.81	4182056.98	0.00014	652929.81
4182056.98	0.00015			
4182056.98	652979.81	4182056.98	0.00017	653029.81
4182056.98	0.00018			
4182056.98	653079.81	4182056.98	0.00019	653129.81
4182056.98	0.00021			
4182056.98	653179.81	4182056.98	0.00022	653229.81
4182056.98	0.00024			
4182056.98	653279.81	4182056.98	0.00025	653329.81
4182056.98	0.00026			
4182056.98	653379.81	4182056.98	0.00028	653429.81
4182056.98	0.00029			
4182056.98	653479.81	4182056.98	0.00030	653529.81
4182056.98	0.00030			
4182056.98	653579.81	4182056.98	0.00031	653629.81
4182056.98	0.00031			
4182056.98	653679.81	4182056.98	0.00031	653729.81
4182056.98	0.00032			
4182056.98	653779.81	4182056.98	0.00032	653829.81
4182056.98	0.00034			
4182056.98	653879.81	4182056.98	0.00036	653929.81
4182056.98	0.00040			
4182056.98	653979.81	4182056.98	0.00046	654029.81
4182056.98	0.00052			
4182056.98	654079.81	4182056.98	0.00059	654129.81
4182056.98	0.00066			
4182056.98	654179.81	4182056.98	0.00072	654229.81
4182056.98	0.00078			
4182056.98	654279.81	4182056.98	0.00083	654329.81
4182056.98	0.00087			

654379.81	4182056.98	0.00090	654429.81
4182056.98	0.00092		
654479.81	4182056.98	0.00093	654529.81
4182056.98	0.00093		
654579.81	4182056.98	0.00092	654629.81
4182056.98	0.00090		
654679.81	4182056.98	0.00088	654729.81
4182056.98	0.00085		
654779.81	4182056.98	0.00082	654829.81
4182056.98	0.00079		
654879.81	4182056.98	0.00076	654929.81
4182056.98	0.00072		
654979.81	4182056.98	0.00069	655029.81
4182056.98	0.00066		
655079.81	4182056.98	0.00063	655129.81
4182056.98	0.00060		
652679.81	4182106.98	0.00012	652729.81
4182106.98	0.00012		
652779.81	4182106.98	0.00013	652829.81
4182106.98	0.00014		
652879.81	4182106.98	0.00015	652929.81
4182106.98	0.00016		
652979.81	4182106.98	0.00017	653029.81
4182106.98	0.00018		
653079.81	4182106.98	0.00020	653129.81
4182106.98	0.00021		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
653179.81	4182106.98	0.00023	653229.81
4182106.98	0.00025		

4182106.98	653279.81	4182106.98	0.00026	653329.81
		0.00028		
4182106.98	653379.81	4182106.98	0.00030	653429.81
		0.00031		
4182106.98	653479.81	4182106.98	0.00032	653529.81
		0.00033		
4182106.98	653579.81	4182106.98	0.00034	653629.81
		0.00035		
4182106.98	653679.81	4182106.98	0.00035	653729.81
		0.00035		
4182106.98	653779.81	4182106.98	0.00036	653829.81
		0.00038		
4182106.98	653879.81	4182106.98	0.00042	653929.81
		0.00047		
4182106.98	653979.81	4182106.98	0.00053	654029.81
		0.00061		
4182106.98	654079.81	4182106.98	0.00069	654129.81
		0.00077		
4182106.98	654179.81	4182106.98	0.00085	654229.81
		0.00091		
4182106.98	654279.81	4182106.98	0.00096	654329.81
		0.00100		
4182106.98	654379.81	4182106.98	0.00102	654429.81
		0.00103		
4182106.98	654479.81	4182106.98	0.00104	654529.81
		0.00103		
4182106.98	654579.81	4182106.98	0.00101	654629.81
		0.00098		
4182106.98	654679.81	4182106.98	0.00095	654729.81
		0.00091		
4182106.98	654779.81	4182106.98	0.00087	654829.81
		0.00083		
4182106.98	654879.81	4182106.98	0.00079	654929.81
		0.00075		
4182106.98	654979.81	4182106.98	0.00072	655029.81
		0.00068		
4182106.98	655079.81	4182106.98	0.00065	655129.81
		0.00061		
4182156.98	652679.81	4182156.98	0.00013	652729.81
		0.00013		
4182156.98	652779.81	4182156.98	0.00014	652829.81
		0.00014		
4182156.98	652879.81	4182156.98	0.00015	652929.81
		0.00016		
4182156.98	652979.81	4182156.98	0.00018	653029.81
		0.00019		
4182156.98	653079.81	4182156.98	0.00020	653129.81
		0.00022		
4182156.98	653179.81	4182156.98	0.00024	653229.81
		0.00026		

4182156.98	653279.81	4182156.98	0.00028	653329.81
	0.00030			
4182156.98	653379.81	4182156.98	0.00032	653429.81
	0.00034			
4182156.98	653479.81	4182156.98	0.00035	653529.81
	0.00037			
4182156.98	653579.81	4182156.98	0.00038	653629.81
	0.00038			
4182156.98	653679.81	4182156.98	0.00039	653729.81
	0.00040			
4182156.98	653779.81	4182156.98	0.00042	653829.81
	0.00044			
4182156.98	653879.81	4182156.98	0.00049	653929.81
	0.00055			
4182156.98	653979.81	4182156.98	0.00064	654029.81
	0.00073			
4182156.98	654079.81	4182156.98	0.00083	654129.81
	0.00092			
4182156.98	654179.81	4182156.98	0.00100	654229.81
	0.00107			
4182156.98	654279.81	4182156.98	0.00112	654329.81
	0.00115			
4182156.98	654379.81	4182156.98	0.00117	654429.81
	0.00117			
4182156.98	654479.81	4182156.98	0.00116	654529.81
	0.00113			
4182156.98	654579.81	4182156.98	0.00110	654629.81
	0.00106			

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)		CONC		

654679.81	4182156.98	0.00101	654729.81
4182156.98	0.00097		
654779.81	4182156.98	0.00092	654829.81
4182156.98	0.00087		
654879.81	4182156.98	0.00082	654929.81
4182156.98	0.00078		
654979.81	4182156.98	0.00074	655029.81
4182156.98	0.00070		
655079.81	4182156.98	0.00066	655129.81
4182156.98	0.00062		
652679.81	4182206.98	0.00013	652729.81
4182206.98	0.00014		
652779.81	4182206.98	0.00014	652829.81
4182206.98	0.00015		
652879.81	4182206.98	0.00016	652929.81
4182206.98	0.00017		
652979.81	4182206.98	0.00018	653029.81
4182206.98	0.00020		
653079.81	4182206.98	0.00021	653129.81
4182206.98	0.00023		
653179.81	4182206.98	0.00025	653229.81
4182206.98	0.00027		
653279.81	4182206.98	0.00030	653329.81
4182206.98	0.00032		
653379.81	4182206.98	0.00035	653429.81
4182206.98	0.00037		
653479.81	4182206.98	0.00039	653529.81
4182206.98	0.00041		
653579.81	4182206.98	0.00042	653629.81
4182206.98	0.00043		
653679.81	4182206.98	0.00044	653729.81
4182206.98	0.00046		
653779.81	4182206.98	0.00048	653829.81
4182206.98	0.00052		
653879.81	4182206.98	0.00058	653929.81
4182206.98	0.00066		
653979.81	4182206.98	0.00077	654029.81
4182206.98	0.00088		
654079.81	4182206.98	0.00100	654129.81
4182206.98	0.00110		
654179.81	4182206.98	0.00119	654229.81
4182206.98	0.00126		
654279.81	4182206.98	0.00130	654329.81
4182206.98	0.00133		
654379.81	4182206.98	0.00133	654429.81
4182206.98	0.00132		
654479.81	4182206.98	0.00129	654529.81
4182206.98	0.00124		
654579.81	4182206.98	0.00119	654629.81
4182206.98	0.00114		

654679.81	4182206.98	0.00108	654729.81
4182206.98	0.00102		
654779.81	4182206.98	0.00096	654829.81
4182206.98	0.00091		
654879.81	4182206.98	0.00085	654929.81
4182206.98	0.00080		
654979.81	4182206.98	0.00076	655029.81
4182206.98	0.00071		
655079.81	4182206.98	0.00067	655129.81
4182206.98	0.00063		
652679.81	4182256.98	0.00014	652729.81
4182256.98	0.00015		
652779.81	4182256.98	0.00016	652829.81
4182256.98	0.00016		
652879.81	4182256.98	0.00017	652929.81
4182256.98	0.00018		
652979.81	4182256.98	0.00019	653029.81
4182256.98	0.00021		
653079.81	4182256.98	0.00022	653129.81
4182256.98	0.00024		
653179.81	4182256.98	0.00026	653229.81
4182256.98	0.00029		
653279.81	4182256.98	0.00032	653329.81
4182256.98	0.00034		
653379.81	4182256.98	0.00037	653429.81
4182256.98	0.00040		
653479.81	4182256.98	0.00043	653529.81
4182256.98	0.00045		
653579.81	4182256.98	0.00047	653629.81
4182256.98	0.00049		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

4182256.98	653679.81	4182256.98	0.00051	653729.81
		0.00053		
4182256.98	653779.81	4182256.98	0.00056	653829.81
		0.00061		
4182256.98	653879.81	4182256.98	0.00069	653929.81
		0.00080		
4182256.98	653979.81	4182256.98	0.00094	654029.81
		0.00108		
4182256.98	654079.81	4182256.98	0.00122	654129.81
		0.00134		
4182256.98	654179.81	4182256.98	0.00143	654229.81
		0.00150		
4182256.98	654279.81	4182256.98	0.00153	654329.81
		0.00154		
4182256.98	654379.81	4182256.98	0.00152	654429.81
		0.00148		
4182256.98	654479.81	4182256.98	0.00143	654529.81
		0.00136		
4182256.98	654579.81	4182256.98	0.00129	654629.81
		0.00121		
4182256.98	654679.81	4182256.98	0.00114	654729.81
		0.00107		
4182256.98	654779.81	4182256.98	0.00100	654829.81
		0.00094		
4182256.98	654879.81	4182256.98	0.00088	654929.81
		0.00082		
4182256.98	654979.81	4182256.98	0.00077	655029.81
		0.00072		
4182256.98	655079.81	4182256.98	0.00068	655129.81
		0.00064		
4182306.98	652679.81	4182306.98	0.00016	652729.81
		0.00016		
4182306.98	652779.81	4182306.98	0.00017	652829.81
		0.00017		
4182306.98	652879.81	4182306.98	0.00018	652929.81
		0.00019		
4182306.98	652979.81	4182306.98	0.00020	653029.81
		0.00022		
4182306.98	653079.81	4182306.98	0.00024	653129.81
		0.00026		
4182306.98	653179.81	4182306.98	0.00028	653229.81
		0.00031		
4182306.98	653279.81	4182306.98	0.00034	653329.81
		0.00037		
4182306.98	653379.81	4182306.98	0.00041	653429.81
		0.00044		
4182306.98	653479.81	4182306.98	0.00047	653529.81
		0.00051		

4182306.98	653579.81	4182306.98	0.00054	653629.81
	0.00056			
4182306.98	653679.81	4182306.98	0.00059	653729.81
	0.00062			
4182306.98	653779.81	4182306.98	0.00067	653829.81
	0.00074			
4182306.98	653879.81	4182306.98	0.00085	653929.81
	0.00100			
4182306.98	653979.81	4182306.98	0.00117	654029.81
	0.00135			
4182306.98	654079.81	4182306.98	0.00151	654129.81
	0.00164			
4182306.98	654179.81	4182306.98	0.00173	654229.81
	0.00178			
4182306.98	654279.81	4182306.98	0.00179	654329.81
	0.00177			
4182306.98	654379.81	4182306.98	0.00172	654429.81
	0.00165			
4182306.98	654479.81	4182306.98	0.00157	654529.81
	0.00148			
4182306.98	654579.81	4182306.98	0.00138	654629.81
	0.00129			
4182306.98	654679.81	4182306.98	0.00120	654729.81
	0.00112			
4182306.98	654779.81	4182306.98	0.00104	654829.81
	0.00096			
4182306.98	654879.81	4182306.98	0.00090	654929.81
	0.00084			
4182306.98	654979.81	4182306.98	0.00078	655029.81
	0.00073			
4182306.98	655079.81	4182306.98	0.00068	655129.81
	0.00064			

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
4182356.98	652679.81	4182356.98	0.00017	652729.81
4182356.98	652779.81	4182356.98	0.00018	652829.81
4182356.98	652879.81	4182356.98	0.00019	652929.81
4182356.98	652979.81	4182356.98	0.00020	652929.81
4182356.98	653079.81	4182356.98	0.00021	653029.81
4182356.98	653179.81	4182356.98	0.00022	653029.81
4182356.98	653279.81	4182356.98	0.00023	653129.81
4182356.98	653379.81	4182356.98	0.00025	653129.81
4182356.98	653479.81	4182356.98	0.00027	653229.81
4182356.98	653579.81	4182356.98	0.00030	653229.81
4182356.98	653679.81	4182356.98	0.00033	653329.81
4182356.98	653779.81	4182356.98	0.00036	653329.81
4182356.98	653879.81	4182356.98	0.00040	653429.81
4182356.98	653979.81	4182356.98	0.00044	653429.81
4182356.98	654079.81	4182356.98	0.00048	653529.81
4182356.98	654179.81	4182356.98	0.00053	653529.81
4182356.98	654279.81	4182356.98	0.00057	653629.81
4182356.98	654379.81	4182356.98	0.00061	653629.81
4182356.98	654479.81	4182356.98	0.00065	653729.81
4182356.98	654579.81	4182356.98	0.00069	653729.81
4182356.98	654679.81	4182356.98	0.00074	653829.81
4182356.98	654779.81	4182356.98	0.00081	653829.81
4182356.98	654879.81	4182356.98	0.00091	653929.81
4182356.98	654979.81	4182356.98	0.00107	653929.81
4182356.98	655079.81	4182356.98	0.00126	654029.81
4182356.98	655179.81	4182356.98	0.00149	654029.81
4182356.98	655279.81	4182356.98	0.00171	654129.81
4182356.98	655379.81	4182356.98	0.00189	654129.81
4182356.98	655479.81	4182356.98	0.00203	654229.81
4182356.98	655579.81	4182356.98	0.00211	654229.81
4182356.98	655679.81	4182356.98	0.00213	654229.81
4182356.98	655779.81	4182356.98	0.00210	654329.81
4182356.98	655879.81	4182356.98	0.00210	654329.81
4182356.98	655979.81	4182356.98	0.00204	654429.81
4182356.98	656079.81	4182356.98	0.00194	654429.81
4182356.98	656179.81	4182356.98	0.00183	654529.81
4182356.98	656279.81	4182356.98	0.00171	654529.81
4182356.98	656379.81	4182356.98	0.00159	654629.81
4182356.98	656479.81	4182356.98	0.00147	654629.81
4182356.98	656579.81	4182356.98	0.00136	654729.81
4182356.98	656679.81	4182356.98	0.00125	654729.81
4182356.98	656779.81	4182356.98	0.00115	654829.81
4182356.98	656879.81	4182356.98	0.00106	654829.81
4182356.98	656979.81	4182356.98	0.00098	654929.81
4182356.98	657079.81	4182356.98	0.00091	654929.81
4182356.98	657179.81	4182356.98	0.00084	

654979.81	4182356.98	0.00078	655029.81
4182356.98	0.00073		
655079.81	4182356.98	0.00068	655129.81
4182356.98	0.00063		
652679.81	4182406.98	0.00018	652729.81
4182406.98	0.00019		
652779.81	4182406.98	0.00020	652829.81
4182406.98	0.00021		
652879.81	4182406.98	0.00022	652929.81
4182406.98	0.00023		
652979.81	4182406.98	0.00024	653029.81
4182406.98	0.00025		
653079.81	4182406.98	0.00027	653129.81
4182406.98	0.00029		
653179.81	4182406.98	0.00032	653229.81
4182406.98	0.00035		
653279.81	4182406.98	0.00039	653329.81
4182406.98	0.00043		
653379.81	4182406.98	0.00048	653429.81
4182406.98	0.00054		
653479.81	4182406.98	0.00059	653529.81
4182406.98	0.00065		
653579.81	4182406.98	0.00071	653629.81
4182406.98	0.00077		
653679.81	4182406.98	0.00083	653729.81
4182406.98	0.00090		
653779.81	4182406.98	0.00100	653829.81
4182406.98	0.00116		
653879.81	4182406.98	0.00137	653929.81
4182406.98	0.00164		
653979.81	4182406.98	0.00193	654029.81
4182406.98	0.00220		
654079.81	4182406.98	0.00241	654129.81
4182406.98	0.00253		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654179.81	4182406.98	0.00258	654229.81
4182406.98	0.00254		
654279.81	4182406.98	0.00245	654329.81
4182406.98	0.00232		
654379.81	4182406.98	0.00217	654429.81
4182406.98	0.00201		
654479.81	4182406.98	0.00184	654529.81
4182406.98	0.00169		
654579.81	4182406.98	0.00154	654629.81
4182406.98	0.00141		
654679.81	4182406.98	0.00129	654729.81
4182406.98	0.00118		
654779.81	4182406.98	0.00108	654829.81
4182406.98	0.00099		
654879.81	4182406.98	0.00092	654929.81
4182406.98	0.00084		
654979.81	4182406.98	0.00078	655029.81
4182406.98	0.00072		
655079.81	4182406.98	0.00067	655129.81
4182406.98	0.00063		
652679.81	4182456.98	0.00020	652729.81
4182456.98	0.00021		
652779.81	4182456.98	0.00022	652829.81
4182456.98	0.00023		
652879.81	4182456.98	0.00024	652929.81
4182456.98	0.00025		
652979.81	4182456.98	0.00026	653029.81
4182456.98	0.00028		
653079.81	4182456.98	0.00030	653129.81
4182456.98	0.00032		
653179.81	4182456.98	0.00035	653229.81
4182456.98	0.00038		
653279.81	4182456.98	0.00043	653329.81
4182456.98	0.00047		
653379.81	4182456.98	0.00053	653429.81
4182456.98	0.00060		
653479.81	4182456.98	0.00067	653529.81
4182456.98	0.00075		
653579.81	4182456.98	0.00083	653629.81
4182456.98	0.00091		
653679.81	4182456.98	0.00101	653729.81
4182456.98	0.00112		
653779.81	4182456.98	0.00128	653829.81
4182456.98	0.00150		

653879.81	4182456.98	0.00181	653929.81
4182456.98	0.00219		
653979.81	4182456.98	0.00259	654029.81
4182456.98	0.00291		
654079.81	4182456.98	0.00311	654129.81
4182456.98	0.00319		
654179.81	4182456.98	0.00314	654229.81
4182456.98	0.00302		
654279.81	4182456.98	0.00283	654329.81
4182456.98	0.00262		
654379.81	4182456.98	0.00239	654429.81
4182456.98	0.00217		
654479.81	4182456.98	0.00196	654529.81
4182456.98	0.00178		
654579.81	4182456.98	0.00160	654629.81
4182456.98	0.00145		
654679.81	4182456.98	0.00132	654729.81
4182456.98	0.00120		
654779.81	4182456.98	0.00109	654829.81
4182456.98	0.00099		
654879.81	4182456.98	0.00091	654929.81
4182456.98	0.00084		
654979.81	4182456.98	0.00077	655029.81
4182456.98	0.00071		
655079.81	4182456.98	0.00066	655129.81
4182456.98	0.00061		
652679.81	4182506.98	0.00021	652729.81
4182506.98	0.00022		
652779.81	4182506.98	0.00023	652829.81
4182506.98	0.00024		
652879.81	4182506.98	0.00026	652929.81
4182506.98	0.00027		
652979.81	4182506.98	0.00029	653029.81
4182506.98	0.00031		
653079.81	4182506.98	0.00033	653129.81
4182506.98	0.00036		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
653179.81	4182506.98	0.00039	653229.81
4182506.98	0.00043		
653279.81	4182506.98	0.00047	653329.81
4182506.98	0.00053		
653379.81	4182506.98	0.00059	653429.81
4182506.98	0.00067		
653479.81	4182506.98	0.00076	653529.81
4182506.98	0.00086		
653579.81	4182506.98	0.00098	653629.81
4182506.98	0.00111		
653679.81	4182506.98	0.00125	653729.81
4182506.98	0.00143		
653779.81	4182506.98	0.00168	653829.81
4182506.98	0.00203		
653879.81	4182506.98	0.00249	653929.81
4182506.98	0.00304		
653979.81	4182506.98	0.00356	654029.81
4182506.98	0.00391		
654079.81	4182506.98	0.00406	654129.81
4182506.98	0.00401		
654179.81	4182506.98	0.00382	654229.81
4182506.98	0.00354		
654279.81	4182506.98	0.00323	654329.81
4182506.98	0.00290		
654379.81	4182506.98	0.00260	654429.81
4182506.98	0.00231		
654479.81	4182506.98	0.00206	654529.81
4182506.98	0.00184		
654579.81	4182506.98	0.00164	654629.81
4182506.98	0.00147		
654679.81	4182506.98	0.00132	654729.81
4182506.98	0.00119		
654779.81	4182506.98	0.00108	654829.81
4182506.98	0.00098		
654879.81	4182506.98	0.00090	654929.81
4182506.98	0.00082		
654979.81	4182506.98	0.00075	655029.81
4182506.98	0.00069		
655079.81	4182506.98	0.00064	655129.81
4182506.98	0.00059		
652679.81	4182556.98	0.00023	652729.81
4182556.98	0.00024		

652779.81	4182556.98	0.00025	652829.81
4182556.98	0.00026		
652879.81	4182556.98	0.00028	652929.81
4182556.98	0.00030		
652979.81	4182556.98	0.00032	653029.81
4182556.98	0.00034		
653079.81	4182556.98	0.00037	653129.81
4182556.98	0.00040		
653179.81	4182556.98	0.00043	653229.81
4182556.98	0.00048		
653279.81	4182556.98	0.00053	653329.81
4182556.98	0.00059		
653379.81	4182556.98	0.00067	653429.81
4182556.98	0.00076		
653479.81	4182556.98	0.00088	653529.81
4182556.98	0.00101		
653579.81	4182556.98	0.00117	653629.81
4182556.98	0.00136		
653679.81	4182556.98	0.00160	653729.81
4182556.98	0.00189		
653779.81	4182556.98	0.00230	653829.81
4182556.98	0.00286		
653879.81	4182556.98	0.00359	653929.81
4182556.98	0.00439		
653979.81	4182556.98	0.00505	654029.81
4182556.98	0.00536		
654079.81	4182556.98	0.00531	654129.81
4182556.98	0.00501		
654179.81	4182556.98	0.00458	654229.81
4182556.98	0.00409		
654279.81	4182556.98	0.00360	654329.81
4182556.98	0.00316		
654379.81	4182556.98	0.00276	654429.81
4182556.98	0.00242		
654479.81	4182556.98	0.00212	654529.81
4182556.98	0.00187		
654579.81	4182556.98	0.00165	654629.81
4182556.98	0.00147		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654679.81	4182556.98	0.00131	654729.81
4182556.98	0.00118		
654779.81	4182556.98	0.00106	654829.81
4182556.98	0.00096		
654879.81	4182556.98	0.00087	654929.81
4182556.98	0.00079		
654979.81	4182556.98	0.00073	655029.81
4182556.98	0.00067		
655079.81	4182556.98	0.00062	655129.81
4182556.98	0.00057		
652679.81	4182606.98	0.00024	652729.81
4182606.98	0.00026		
652779.81	4182606.98	0.00027	652829.81
4182606.98	0.00029		
652879.81	4182606.98	0.00030	652929.81
4182606.98	0.00032		
652979.81	4182606.98	0.00035	653029.81
4182606.98	0.00037		
653079.81	4182606.98	0.00041	653129.81
4182606.98	0.00044		
653179.81	4182606.98	0.00049	653229.81
4182606.98	0.00054		
653279.81	4182606.98	0.00060	653329.81
4182606.98	0.00068		
653379.81	4182606.98	0.00077	653429.81
4182606.98	0.00089		
653479.81	4182606.98	0.00103	653529.81
4182606.98	0.00121		
653579.81	4182606.98	0.00143	653629.81
4182606.98	0.00172		
653679.81	4182606.98	0.00210	653729.81
4182606.98	0.00261		
653779.81	4182606.98	0.00332	653829.81
4182606.98	0.00429		
653879.81	4182606.98	0.00550	653929.81
4182606.98	0.00670		
653979.81	4182606.98	0.00741	654029.81
4182606.98	0.00742		
654079.81	4182606.98	0.00691	654129.81
4182606.98	0.00616		

654179.81	4182606.98	0.00535	654229.81
4182606.98	0.00459		
654279.81	4182606.98	0.00392	654329.81
4182606.98	0.00335		
654379.81	4182606.98	0.00287	654429.81
4182606.98	0.00247		
654479.81	4182606.98	0.00214	654529.81
4182606.98	0.00186		
654579.81	4182606.98	0.00163	654629.81
4182606.98	0.00144		
654679.81	4182606.98	0.00128	654729.81
4182606.98	0.00114		
654779.81	4182606.98	0.00102	654829.81
4182606.98	0.00092		
654879.81	4182606.98	0.00084	654929.81
4182606.98	0.00076		
654979.81	4182606.98	0.00070	655029.81
4182606.98	0.00064		
655079.81	4182606.98	0.00059	655129.81
4182606.98	0.00055		
652679.81	4182656.98	0.00026	652729.81
4182656.98	0.00028		
652779.81	4182656.98	0.00029	652829.81
4182656.98	0.00031		
652879.81	4182656.98	0.00033	652929.81
4182656.98	0.00036		
652979.81	4182656.98	0.00038	653029.81
4182656.98	0.00041		
653079.81	4182656.98	0.00045	653129.81
4182656.98	0.00050		
653179.81	4182656.98	0.00055	653229.81
4182656.98	0.00061		
653279.81	4182656.98	0.00069	653329.81
4182656.98	0.00079		
653379.81	4182656.98	0.00091	653429.81
4182656.98	0.00105		
653479.81	4182656.98	0.00124	653529.81
4182656.98	0.00148		
653579.81	4182656.98	0.00181	653629.81
4182656.98	0.00224		

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 *** ***
 *** 11:24:15

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
653679.81	4182656.98	0.00286	653729.81
4182656.98	0.00378		
653779.81	4182656.98	0.00515	653829.81
4182656.98	0.00703		
653879.81	4182656.98	0.00920	653929.81
4182656.98	0.01094		
653979.81	4182656.98	0.01121	654029.81
4182656.98	0.01023		
654079.81	4182656.98	0.00877	654129.81
4182656.98	0.00731		
654179.81	4182656.98	0.00603	654229.81
4182656.98	0.00497		
654279.81	4182656.98	0.00412	654329.81
4182656.98	0.00344		
654379.81	4182656.98	0.00289	654429.81
4182656.98	0.00245		
654479.81	4182656.98	0.00210	654529.81
4182656.98	0.00181		
654579.81	4182656.98	0.00158	654629.81
4182656.98	0.00139		
654679.81	4182656.98	0.00123	654729.81
4182656.98	0.00109		
654779.81	4182656.98	0.00098	654829.81
4182656.98	0.00088		
654879.81	4182656.98	0.00080	654929.81
4182656.98	0.00073		
654979.81	4182656.98	0.00066	655029.81
4182656.98	0.00061		
655079.81	4182656.98	0.00056	655129.81
4182656.98	0.00052		
652679.81	4182706.98	0.00028	652729.81
4182706.98	0.00030		
652779.81	4182706.98	0.00032	652829.81
4182706.98	0.00034		
652879.81	4182706.98	0.00037	652929.81
4182706.98	0.00039		
652979.81	4182706.98	0.00042	653029.81
4182706.98	0.00046		

653079.81	4182706.98	0.00051	653129.81
4182706.98	0.00056		
653179.81	4182706.98	0.00062	653229.81
4182706.98	0.00070		
653279.81	4182706.98	0.00080	653329.81
4182706.98	0.00092		
653379.81	4182706.98	0.00108	653429.81
4182706.98	0.00127		
653479.81	4182706.98	0.00153	653529.81
4182706.98	0.00187		
653579.81	4182706.98	0.00235	653629.81
4182706.98	0.00306		
653679.81	4182706.98	0.00415	653729.81
4182706.98	0.00595		
653779.81	4182706.98	0.00895	653829.81
4182706.98	0.01328		
653879.81	4182706.98	0.01779	653929.81
4182706.98	0.01957		
653979.81	4182706.98	0.01705	654029.81
4182706.98	0.01354		
654079.81	4182706.98	0.01053	654129.81
4182706.98	0.00820		
654179.81	4182706.98	0.00645	654229.81
4182706.98	0.00514		
654279.81	4182706.98	0.00415	654329.81
4182706.98	0.00340		
654379.81	4182706.98	0.00282	654429.81
4182706.98	0.00237		
654479.81	4182706.98	0.00201	654529.81
4182706.98	0.00173		
654579.81	4182706.98	0.00150	654629.81
4182706.98	0.00131		
654679.81	4182706.98	0.00116	654729.81
4182706.98	0.00103		
654779.81	4182706.98	0.00092	654829.81
4182706.98	0.00083		
654879.81	4182706.98	0.00075	654929.81
4182706.98	0.00069		
654979.81	4182706.98	0.00063	655029.81
4182706.98	0.00058		
655079.81	4182706.98	0.00053	655129.81
4182706.98	0.00050		

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 *** ***
 *** *** 11:24:15

VALUES FOR SOURCE GROUP: ALL

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
652679.81	4182756.98	0.00030	652729.81
4182756.98	0.00032		
652779.81	4182756.98	0.00035	652829.81
4182756.98	0.00037		
652879.81	4182756.98	0.00040	652929.81
4182756.98	0.00044		
652979.81	4182756.98	0.00048	653029.81
4182756.98	0.00052		
653079.81	4182756.98	0.00057	653129.81
4182756.98	0.00064		
653179.81	4182756.98	0.00072	653229.81
4182756.98	0.00081		
653279.81	4182756.98	0.00094	653329.81
4182756.98	0.00110		
653379.81	4182756.98	0.00130	653429.81
4182756.98	0.00157		
653479.81	4182756.98	0.00193	653529.81
4182756.98	0.00244		
653579.81	4182756.98	0.00321	653629.81
4182756.98	0.00442		
653679.81	4182756.98	0.00656	653729.81
4182756.98	0.01081		
653779.81	4182756.98	0.01954	653829.81
4182756.98	0.03401		
653879.81	4182756.98	0.04721	653929.81
4182756.98	0.03748		
653979.81	4182756.98	0.02382	654029.81
4182756.98	0.01626		
654079.81	4182756.98	0.01161	654129.81
4182756.98	0.00856		
654179.81	4182756.98	0.00649	654229.81
4182756.98	0.00504		
654279.81	4182756.98	0.00400	654329.81
4182756.98	0.00323		
654379.81	4182756.98	0.00266	654429.81
4182756.98	0.00223		

654479.81	4182756.98	0.00189	654529.81
4182756.98	0.00162		
654579.81	4182756.98	0.00140	654629.81
4182756.98	0.00123		
654679.81	4182756.98	0.00108	654729.81
4182756.98	0.00096		
654779.81	4182756.98	0.00087	654829.81
4182756.98	0.00078		
654879.81	4182756.98	0.00071	654929.81
4182756.98	0.00065		
654979.81	4182756.98	0.00059	655029.81
4182756.98	0.00055		
655079.81	4182756.98	0.00051	655129.81
4182756.98	0.00047		
652679.81	4182806.98	0.00033	652729.81
4182806.98	0.00036		
652779.81	4182806.98	0.00038	652829.81
4182806.98	0.00041		
652879.81	4182806.98	0.00045	652929.81
4182806.98	0.00049		
652979.81	4182806.98	0.00053	653029.81
4182806.98	0.00059		
653079.81	4182806.98	0.00065	653129.81
4182806.98	0.00073		
653179.81	4182806.98	0.00083	653229.81
4182806.98	0.00095		
653279.81	4182806.98	0.00111	653329.81
4182806.98	0.00132		
653379.81	4182806.98	0.00159	653429.81
4182806.98	0.00197		
653479.81	4182806.98	0.00251	653529.81
4182806.98	0.00331		
653579.81	4182806.98	0.00460	653629.81
4182806.98	0.00693		
653679.81	4182806.98	0.01202	653729.81
4182806.98	0.02695		
653929.81	4182806.98	0.05098	653979.81
4182806.98	0.02726		
654029.81	4182806.98	0.01709	654079.81
4182806.98	0.01157		
654129.81	4182806.98	0.00824	654179.81
4182806.98	0.00611		
654229.81	4182806.98	0.00469	654279.81
4182806.98	0.00369		

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 *** ***
 *** 11:24:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654329.81	4182806.98	0.00297	654379.81
4182806.98	0.00244		
654429.81	4182806.98	0.00204	654479.81
4182806.98	0.00173		
654529.81	4182806.98	0.00149	654579.81
4182806.98	0.00129		
654629.81	4182806.98	0.00114	654679.81
4182806.98	0.00101		
654729.81	4182806.98	0.00090	654779.81
4182806.98	0.00081		
654829.81	4182806.98	0.00073	654879.81
4182806.98	0.00067		
654929.81	4182806.98	0.00061	654979.81
4182806.98	0.00056		
655029.81	4182806.98	0.00052	655079.81
4182806.98	0.00048		
655129.81	4182806.98	0.00045	652679.81
4182856.98	0.00036		
652729.81	4182856.98	0.00039	652779.81
4182856.98	0.00042		
652829.81	4182856.98	0.00046	652879.81
4182856.98	0.00050		
652929.81	4182856.98	0.00054	652979.81
4182856.98	0.00060		
653029.81	4182856.98	0.00066	653079.81
4182856.98	0.00074		
653129.81	4182856.98	0.00084	653179.81
4182856.98	0.00096		
653229.81	4182856.98	0.00112	653279.81
4182856.98	0.00132		
653329.81	4182856.98	0.00159	653379.81
4182856.98	0.00197		
653429.81	4182856.98	0.00251	653479.81
4182856.98	0.00332		

4182856.98	653529.81	4182856.98	0.00463	653579.81
	0.00698			
4182856.98	653629.81	4182856.98	0.01208	653679.81
	0.02894			
4182856.98	653929.81	4182856.98	0.05163	653979.81
	0.02630			
4182856.98	654029.81	4182856.98	0.01578	654079.81
	0.01041			
4182856.98	654129.81	4182856.98	0.00733	654179.81
	0.00542			
4182856.98	654229.81	4182856.98	0.00416	654279.81
	0.00328			
4182856.98	654329.81	4182856.98	0.00266	654379.81
	0.00219			
4182856.98	654429.81	4182856.98	0.00184	654479.81
	0.00157			
4182856.98	654529.81	4182856.98	0.00136	654579.81
	0.00119			
4182856.98	654629.81	4182856.98	0.00105	654679.81
	0.00093			
4182856.98	654729.81	4182856.98	0.00083	654779.81
	0.00075			
4182856.98	654829.81	4182856.98	0.00069	654879.81
	0.00063			
4182856.98	654929.81	4182856.98	0.00058	654979.81
	0.00053			
4182856.98	655029.81	4182856.98	0.00049	655079.81
	0.00046			
4182906.98	655129.81	4182856.98	0.00043	652679.81
	0.00039			
4182906.98	652729.81	4182906.98	0.00042	652779.81
	0.00046			
4182906.98	652829.81	4182906.98	0.00050	652879.81
	0.00054			
4182906.98	652929.81	4182906.98	0.00060	652979.81
	0.00067			
4182906.98	653029.81	4182906.98	0.00074	653079.81
	0.00084			
4182906.98	653129.81	4182906.98	0.00095	653179.81
	0.00110			
4182906.98	653229.81	4182906.98	0.00130	653279.81
	0.00156			
4182906.98	653329.81	4182906.98	0.00192	653379.81
	0.00244			
4182906.98	653429.81	4182906.98	0.00323	653479.81
	0.00450			

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 *** ***

*** 11:24:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
653529.81	4182906.98	0.00674	653579.81
4182906.98	0.01135		
653629.81	4182906.98	0.02510	653929.81
4182906.98	0.04492		
653979.81	4182906.98	0.02161	654029.81
4182906.98	0.01285		
654079.81	4182906.98	0.00855	654129.81
4182906.98	0.00610		
654179.81	4182906.98	0.00457	654229.81
4182906.98	0.00355		
654279.81	4182906.98	0.00284	654329.81
4182906.98	0.00232		
654379.81	4182906.98	0.00194	654429.81
4182906.98	0.00164		
654479.81	4182906.98	0.00141	654529.81
4182906.98	0.00123		
654579.81	4182906.98	0.00108	654629.81
4182906.98	0.00096		
654679.81	4182906.98	0.00086	654729.81
4182906.98	0.00077		
654779.81	4182906.98	0.00070	654829.81
4182906.98	0.00064		
654879.81	4182906.98	0.00059	654929.81
4182906.98	0.00054		
654979.81	4182906.98	0.00050	655029.81
4182906.98	0.00047		
655079.81	4182906.98	0.00044	655129.81
4182906.98	0.00041		
652679.81	4182956.98	0.00042	652729.81
4182956.98	0.00045		
652779.81	4182956.98	0.00049	652829.81
4182956.98	0.00054		

4182956.98	652879.81	4182956.98	0.00059	652929.81
	0.00065			
4182956.98	652979.81	4182956.98	0.00073	653029.81
	0.00082			
4182956.98	653079.81	4182956.98	0.00093	653129.81
	0.00107			
4182956.98	653179.81	4182956.98	0.00125	653229.81
	0.00149			
4182956.98	653279.81	4182956.98	0.00183	653329.81
	0.00231			
4182956.98	653379.81	4182956.98	0.00304	653429.81
	0.00423			
4182956.98	653479.81	4182956.98	0.00631	653529.81
	0.01038			
4182956.98	653579.81	4182956.98	0.02097	653929.81
	0.02774			
4182956.98	653979.81	4182956.98	0.01473	654029.81
	0.00942			
4182956.98	654079.81	4182956.98	0.00658	654129.81
	0.00487			
4182956.98	654179.81	4182956.98	0.00374	654229.81
	0.00297			
4182956.98	654279.81	4182956.98	0.00242	654329.81
	0.00201			
4182956.98	654379.81	4182956.98	0.00169	654429.81
	0.00145			
4182956.98	654479.81	4182956.98	0.00126	654529.81
	0.00111			
4182956.98	654579.81	4182956.98	0.00098	654629.81
	0.00088			
4182956.98	654679.81	4182956.98	0.00079	654729.81
	0.00072			
4182956.98	654779.81	4182956.98	0.00065	654829.81
	0.00060			
4182956.98	654879.81	4182956.98	0.00055	654929.81
	0.00051			
4182956.98	654979.81	4182956.98	0.00047	655029.81
	0.00044			
4182956.98	655079.81	4182956.98	0.00041	655129.81
	0.00039			
4183006.98	652679.81	4183006.98	0.00044	652729.81
	0.00048			
4183006.98	652779.81	4183006.98	0.00052	652829.81
	0.00057			
4183006.98	652879.81	4183006.98	0.00063	652929.81
	0.00070			
4183006.98	652979.81	4183006.98	0.00078	653029.81
	0.00089			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
653079.81	4183006.98	0.00102	653129.81
4183006.98	0.00119		
653179.81	4183006.98	0.00141	653229.81
4183006.98	0.00171		
653279.81	4183006.98	0.00214	653329.81
4183006.98	0.00279		
653379.81	4183006.98	0.00386	653429.81
4183006.98	0.00579		
653479.81	4183006.98	0.00954	653529.81
4183006.98	0.01827		
653579.81	4183006.98	0.04878	653829.81
4183006.98	0.04849		
653879.81	4183006.98	0.02390	653929.81
4183006.98	0.01408		
653979.81	4183006.98	0.00935	654029.81
4183006.98	0.00665		
654079.81	4183006.98	0.00496	654129.81
4183006.98	0.00383		
654179.81	4183006.98	0.00304	654229.81
4183006.98	0.00247		
654279.81	4183006.98	0.00204	654329.81
4183006.98	0.00172		
654379.81	4183006.98	0.00148	654429.81
4183006.98	0.00128		
654479.81	4183006.98	0.00112	654529.81
4183006.98	0.00099		
654579.81	4183006.98	0.00089	654629.81
4183006.98	0.00080		
654679.81	4183006.98	0.00072	654729.81
4183006.98	0.00066		

654779.81	4183006.98	0.00060	654829.81
4183006.98	0.00056		
654879.81	4183006.98	0.00052	654929.81
4183006.98	0.00048		
654979.81	4183006.98	0.00045	655029.81
4183006.98	0.00042		
655079.81	4183006.98	0.00039	655129.81
4183006.98	0.00037		
652679.81	4183056.98	0.00046	652729.81
4183056.98	0.00049		
652779.81	4183056.98	0.00054	652829.81
4183056.98	0.00060		
652879.81	4183056.98	0.00066	652929.81
4183056.98	0.00074		
652979.81	4183056.98	0.00084	653029.81
4183056.98	0.00096		
653079.81	4183056.98	0.00111	653129.81
4183056.98	0.00130		
653179.81	4183056.98	0.00157	653229.81
4183056.98	0.00194		
653279.81	4183056.98	0.00249	653329.81
4183056.98	0.00341		
653379.81	4183056.98	0.00521	653429.81
4183056.98	0.00914		
653479.81	4183056.98	0.01801	653529.81
4183056.98	0.04471		
653729.81	4183056.98	0.05576	653779.81
4183056.98	0.03067		
653829.81	4183056.98	0.01816	653879.81
4183056.98	0.01167		
653929.81	4183056.98	0.00826	653979.81
4183056.98	0.00618		
654029.81	4183056.98	0.00476	654079.81
4183056.98	0.00376		
654129.81	4183056.98	0.00302	654179.81
4183056.98	0.00247		
654229.81	4183056.98	0.00206	654279.81
4183056.98	0.00174		
654329.81	4183056.98	0.00148	654379.81
4183056.98	0.00129		
654429.81	4183056.98	0.00113	654479.81
4183056.98	0.00100		
654529.81	4183056.98	0.00089	654579.81
4183056.98	0.00080		
654629.81	4183056.98	0.00072	654679.81
4183056.98	0.00066		
654729.81	4183056.98	0.00060	654779.81
4183056.98	0.00056		
654829.81	4183056.98	0.00052	654879.81
4183056.98	0.00048		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654929.81	4183056.98	0.00045	654979.81
4183056.98	0.00042		
655029.81	4183056.98	0.00039	655079.81
4183056.98	0.00037		
655129.81	4183056.98	0.00035	652679.81
4183106.98	0.00047		
652729.81	4183106.98	0.00051	652779.81
4183106.98	0.00056		
652829.81	4183106.98	0.00062	652879.81
4183106.98	0.00069		
652929.81	4183106.98	0.00077	652979.81
4183106.98	0.00088		
653029.81	4183106.98	0.00101	653079.81
4183106.98	0.00119		
653129.81	4183106.98	0.00142	653179.81
4183106.98	0.00173		
653229.81	4183106.98	0.00219	653279.81
4183106.98	0.00292		
653329.81	4183106.98	0.00433	653379.81
4183106.98	0.00969		
653429.81	4183106.98	0.02349	653679.81
4183106.98	0.03221		
653729.81	4183106.98	0.02003	653779.81
4183106.98	0.01350		
653829.81	4183106.98	0.00940	653879.81
4183106.98	0.00690		
653929.81	4183106.98	0.00535	653979.81
4183106.98	0.00428		

4183106.98	654029.81	4183106.98	0.00350	654079.81
	0.00289			
4183106.98	654129.81	4183106.98	0.00241	654179.81
	0.00203			
4183106.98	654229.81	4183106.98	0.00173	654279.81
	0.00149			
4183106.98	654329.81	4183106.98	0.00129	654379.81
	0.00113			
4183106.98	654429.81	4183106.98	0.00100	654479.81
	0.00089			
4183106.98	654529.81	4183106.98	0.00080	654579.81
	0.00072			
4183106.98	654629.81	4183106.98	0.00066	654679.81
	0.00060			
4183106.98	654729.81	4183106.98	0.00055	654779.81
	0.00051			
4183106.98	654829.81	4183106.98	0.00048	654879.81
	0.00044			
4183106.98	654929.81	4183106.98	0.00042	654979.81
	0.00039			
4183106.98	655029.81	4183106.98	0.00037	655079.81
	0.00035			
4183156.98	655129.81	4183106.98	0.00033	652679.81
	0.00047			
4183156.98	652729.81	4183156.98	0.00051	652779.81
	0.00057			
4183156.98	652829.81	4183156.98	0.00063	652879.81
	0.00070			
4183156.98	652929.81	4183156.98	0.00080	652979.81
	0.00091			
4183156.98	653029.81	4183156.98	0.00106	653079.81
	0.00125			
4183156.98	653129.81	4183156.98	0.00151	653179.81
	0.00187			
4183156.98	653229.81	4183156.98	0.00241	653279.81
	0.00337			
4183156.98	653329.81	4183156.98	0.00597	653379.81
	0.01259			
4183156.98	653429.81	4183156.98	0.02072	653479.81
	0.02648			
4183156.98	653529.81	4183156.98	0.02769	653579.81
	0.02370			
4183156.98	653629.81	4183156.98	0.01774	653679.81
	0.01318			
4183156.98	653729.81	4183156.98	0.00987	653779.81
	0.00742			
4183156.98	653829.81	4183156.98	0.00566	653879.81
	0.00450			
4183156.98	653929.81	4183156.98	0.00369	653979.81
	0.00310			

654029.81 4183156.98 0.00264 654079.81
 4183156.98 0.00226

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

654129.81	4183156.98	0.00195	654179.81
4183156.98	0.00169		
654229.81	4183156.98	0.00147	654279.81
4183156.98	0.00128		
654329.81	4183156.98	0.00113	654379.81
4183156.98	0.00100		
654429.81	4183156.98	0.00089	654479.81
4183156.98	0.00079		
654529.81	4183156.98	0.00072	654579.81
4183156.98	0.00065		
654629.81	4183156.98	0.00059	654679.81
4183156.98	0.00055		
654729.81	4183156.98	0.00051	654779.81
4183156.98	0.00047		
654829.81	4183156.98	0.00044	654879.81
4183156.98	0.00041		
654929.81	4183156.98	0.00038	654979.81
4183156.98	0.00036		
655029.81	4183156.98	0.00034	655079.81
4183156.98	0.00032		
655129.81	4183156.98	0.00031	652679.81
4183206.98	0.00047		
652729.81	4183206.98	0.00052	652779.81
4183206.98	0.00057		
652829.81	4183206.98	0.00064	652879.81
4183206.98	0.00072		

4183206.98	652929.81	4183206.98	0.00082	652979.81
	0.00094			
4183206.98	653029.81	4183206.98	0.00110	653079.81
	0.00130			
4183206.98	653129.81	4183206.98	0.00157	653179.81
	0.00196			
4183206.98	653229.81	4183206.98	0.00253	653279.81
	0.00351			
4183206.98	653329.81	4183206.98	0.00531	653379.81
	0.00770			
4183206.98	653429.81	4183206.98	0.01007	653479.81
	0.01166			
4183206.98	653529.81	4183206.98	0.01176	653579.81
	0.01054			
4183206.98	653629.81	4183206.98	0.00885	653679.81
	0.00722			
4183206.98	653729.81	4183206.98	0.00578	653779.81
	0.00461			
4183206.98	653829.81	4183206.98	0.00375	653879.81
	0.00313			
4183206.98	653929.81	4183206.98	0.00268	653979.81
	0.00232			
4183206.98	654029.81	4183206.98	0.00204	654079.81
	0.00180			
4183206.98	654129.81	4183206.98	0.00159	654179.81
	0.00141			
4183206.98	654229.81	4183206.98	0.00125	654279.81
	0.00111			
4183206.98	654329.81	4183206.98	0.00099	654379.81
	0.00089			
4183206.98	654429.81	4183206.98	0.00080	654479.81
	0.00072			
4183206.98	654529.81	4183206.98	0.00065	654579.81
	0.00059			
4183206.98	654629.81	4183206.98	0.00054	654679.81
	0.00050			
4183206.98	654729.81	4183206.98	0.00046	654779.81
	0.00043			
4183206.98	654829.81	4183206.98	0.00040	654879.81
	0.00038			
4183206.98	654929.81	4183206.98	0.00036	654979.81
	0.00034			
4183206.98	655029.81	4183206.98	0.00032	655079.81
	0.00030			
4183256.98	655129.81	4183206.98	0.00029	652679.81
	0.00048			
4183256.98	652729.81	4183256.98	0.00053	652779.81
	0.00058			
4183256.98	652829.81	4183256.98	0.00065	652879.81
	0.00074			

652929.81	4183256.98	0.00084	652979.81
4183256.98	0.00097		
653029.81	4183256.98	0.00113	653079.81
4183256.98	0.00134		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

653129.81	4183256.98	0.00162	653179.81
4183256.98	0.00199		
653229.81	4183256.98	0.00252	653279.81
4183256.98	0.00331		
653329.81	4183256.98	0.00440	653379.81
4183256.98	0.00558		
653429.81	4183256.98	0.00660	653479.81
4183256.98	0.00710		
653529.81	4183256.98	0.00693	653579.81
4183256.98	0.00625		
653629.81	4183256.98	0.00538	653679.81
4183256.98	0.00453		
653729.81	4183256.98	0.00376	653779.81
4183256.98	0.00312		
653829.81	4183256.98	0.00265	653879.81
4183256.98	0.00230		
653929.81	4183256.98	0.00202	653979.81
4183256.98	0.00179		
654029.81	4183256.98	0.00161	654079.81
4183256.98	0.00145		
654129.81	4183256.98	0.00131	654179.81
4183256.98	0.00119		
654229.81	4183256.98	0.00108	654279.81
4183256.98	0.00097		

4183256.98	654329.81	4183256.98	0.00088	654379.81
		0.00079		
4183256.98	654429.81	4183256.98	0.00072	654479.81
		0.00065		
4183256.98	654529.81	4183256.98	0.00060	654579.81
		0.00055		
4183256.98	654629.81	4183256.98	0.00050	654679.81
		0.00046		
4183256.98	654729.81	4183256.98	0.00043	654779.81
		0.00040		
4183256.98	654829.81	4183256.98	0.00037	654879.81
		0.00035		
4183256.98	654929.81	4183256.98	0.00033	654979.81
		0.00031		
4183256.98	655029.81	4183256.98	0.00029	655079.81
		0.00028		
4183306.98	655129.81	4183256.98	0.00027	652679.81
		0.00049		
4183306.98	652729.81	4183306.98	0.00054	652779.81
		0.00060		
4183306.98	652829.81	4183306.98	0.00067	652879.81
		0.00076		
4183306.98	652929.81	4183306.98	0.00087	652979.81
		0.00100		
4183306.98	653029.81	4183306.98	0.00116	653079.81
		0.00136		
4183306.98	653129.81	4183306.98	0.00161	653179.81
		0.00195		
4183306.98	653229.81	4183306.98	0.00240	653279.81
		0.00299		
4183306.98	653329.81	4183306.98	0.00367	653379.81
		0.00433		
4183306.98	653429.81	4183306.98	0.00478	653479.81
		0.00489		
4183306.98	653529.81	4183306.98	0.00464	653579.81
		0.00416		
4183306.98	653629.81	4183306.98	0.00361	653679.81
		0.00308		
4183306.98	653729.81	4183306.98	0.00262	653779.81
		0.00225		
4183306.98	653829.81	4183306.98	0.00197	653879.81
		0.00175		
4183306.98	653929.81	4183306.98	0.00157	653979.81
		0.00142		
4183306.98	654029.81	4183306.98	0.00130	654079.81
		0.00119		
4183306.98	654129.81	4183306.98	0.00110	654179.81
		0.00101		
4183306.98	654229.81	4183306.98	0.00093	654279.81
		0.00085		

654329.81	4183306.98	0.00078	654379.81
4183306.98	0.00071		
654429.81	4183306.98	0.00065	654479.81
4183306.98	0.00060		
654529.81	4183306.98	0.00055	654579.81
4183306.98	0.00051		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654629.81	4183306.98	0.00047	654679.81
4183306.98	0.00043		
654729.81	4183306.98	0.00040	654779.81
4183306.98	0.00037		
654829.81	4183306.98	0.00035	654879.81
4183306.98	0.00033		
654929.81	4183306.98	0.00031	654979.81
4183306.98	0.00029		
655029.81	4183306.98	0.00028	655079.81
4183306.98	0.00026		
655129.81	4183306.98	0.00025	652679.81
4183356.98	0.00050		
652729.81	4183356.98	0.00056	652779.81
4183356.98	0.00062		
652829.81	4183356.98	0.00069	652879.81
4183356.98	0.00078		
652929.81	4183356.98	0.00088	652979.81
4183356.98	0.00101		
653029.81	4183356.98	0.00115	653079.81
4183356.98	0.00134		
653129.81	4183356.98	0.00156	653179.81
4183356.98	0.00185		

4183356.98	653229.81	4183356.98	0.00222	653279.81
	0.00265			
4183356.98	653329.81	4183356.98	0.00309	653379.81
	0.00344			
4183356.98	653429.81	4183356.98	0.00362	653479.81
	0.00357			
4183356.98	653529.81	4183356.98	0.00332	653579.81
	0.00295			
4183356.98	653629.81	4183356.98	0.00257	653679.81
	0.00222			
4183356.98	653729.81	4183356.98	0.00192	653779.81
	0.00169			
4183356.98	653829.81	4183356.98	0.00151	653879.81
	0.00137			
4183356.98	653929.81	4183356.98	0.00125	653979.81
	0.00115			
4183356.98	654029.81	4183356.98	0.00106	654079.81
	0.00099			
4183356.98	654129.81	4183356.98	0.00092	654179.81
	0.00086			
4183356.98	654229.81	4183356.98	0.00080	654279.81
	0.00075			
4183356.98	654329.81	4183356.98	0.00069	654379.81
	0.00064			
4183356.98	654429.81	4183356.98	0.00060	654479.81
	0.00055			
4183356.98	654529.81	4183356.98	0.00051	654579.81
	0.00047			
4183356.98	654629.81	4183356.98	0.00044	654679.81
	0.00041			
4183356.98	654729.81	4183356.98	0.00038	654779.81
	0.00035			
4183356.98	654829.81	4183356.98	0.00033	654879.81
	0.00031			
4183356.98	654929.81	4183356.98	0.00029	654979.81
	0.00027			
4183356.98	655029.81	4183356.98	0.00026	655079.81
	0.00025			
4183406.98	655129.81	4183356.98	0.00023	652679.81
	0.00052			
4183406.98	652729.81	4183406.98	0.00057	652779.81
	0.00063			
4183406.98	652829.81	4183406.98	0.00070	652879.81
	0.00079			
4183406.98	652929.81	4183406.98	0.00088	652979.81
	0.00099			
4183406.98	653029.81	4183406.98	0.00113	653079.81
	0.00129			
4183406.98	653129.81	4183406.98	0.00149	653179.81
	0.00174			

4183406.98	653229.81	4183406.98	0.00203	653279.81
			0.00233	
4183406.98	653329.81	4183406.98	0.00260	653379.81
			0.00278	
4183406.98	653429.81	4183406.98	0.00282	653479.81
			0.00270	
4183406.98	653529.81	4183406.98	0.00248	653579.81
			0.00220	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	
Y-COORD (M)	CONC			
4183406.98	653629.81	4183406.98	0.00192	653679.81
			0.00167	
4183406.98	653729.81	4183406.98	0.00147	653779.81
			0.00132	
4183406.98	653829.81	4183406.98	0.00120	653879.81
			0.00110	
4183406.98	653929.81	4183406.98	0.00102	653979.81
			0.00095	
4183406.98	654029.81	4183406.98	0.00088	654079.81
			0.00083	
4183406.98	654129.81	4183406.98	0.00079	654179.81
			0.00074	
4183406.98	654229.81	4183406.98	0.00070	654279.81
			0.00066	
4183406.98	654329.81	4183406.98	0.00062	654379.81
			0.00058	
4183406.98	654429.81	4183406.98	0.00054	654479.81
			0.00051	
4183406.98	654529.81	4183406.98	0.00047	654579.81
			0.00044	

4183406.98	654629.81	4183406.98	0.00041	654679.81
		0.00038		
4183406.98	654729.81	4183406.98	0.00036	654779.81
		0.00033		
4183406.98	654829.81	4183406.98	0.00031	654879.81
		0.00029		
4183406.98	654929.81	4183406.98	0.00028	654979.81
		0.00026		
4183406.98	655029.81	4183406.98	0.00025	655079.81
		0.00023		
4183456.98	655129.81	4183406.98	0.00022	652679.81
		0.00053		
4183456.98	652729.81	4183456.98	0.00058	652779.81
		0.00064		
4183456.98	652829.81	4183456.98	0.00070	652879.81
		0.00078		
4183456.98	652929.81	4183456.98	0.00087	652979.81
		0.00097		
4183456.98	653029.81	4183456.98	0.00109	653079.81
		0.00124		
4183456.98	653129.81	4183456.98	0.00141	653179.81
		0.00161		
4183456.98	653229.81	4183456.98	0.00183	653279.81
		0.00204		
4183456.98	653329.81	4183456.98	0.00219	653379.81
		0.00226		
4183456.98	653429.81	4183456.98	0.00223	653479.81
		0.00210		
4183456.98	653529.81	4183456.98	0.00191	653579.81
		0.00169		
4183456.98	653629.81	4183456.98	0.00149	653679.81
		0.00131		
4183456.98	653729.81	4183456.98	0.00117	653779.81
		0.00106		
4183456.98	653829.81	4183456.98	0.00098	653879.81
		0.00090		
4183456.98	653929.81	4183456.98	0.00084	653979.81
		0.00079		
4183456.98	654029.81	4183456.98	0.00074	654079.81
		0.00071		
4183456.98	654129.81	4183456.98	0.00067	654179.81
		0.00064		
4183456.98	654229.81	4183456.98	0.00061	654279.81
		0.00058		
4183456.98	654329.81	4183456.98	0.00055	654379.81
		0.00052		
4183456.98	654429.81	4183456.98	0.00049	654479.81
		0.00047		
4183456.98	654529.81	4183456.98	0.00044	654579.81
		0.00041		

654629.81	4183456.98	0.00039	654679.81
4183456.98	0.00036		
654729.81	4183456.98	0.00034	654779.81
4183456.98	0.00032		
654829.81	4183456.98	0.00030	654879.81
4183456.98	0.00028		
654929.81	4183456.98	0.00026	654979.81
4183456.98	0.00025		
655029.81	4183456.98	0.00024	655079.81
4183456.98	0.00022		

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
655129.81	4183456.98	0.00021	652679.81
4183506.98	0.00053		
652729.81	4183506.98	0.00058	652779.81
4183506.98	0.00063		
652829.81	4183506.98	0.00069	652879.81
4183506.98	0.00076		
652929.81	4183506.98	0.00084	652979.81
4183506.98	0.00093		
653029.81	4183506.98	0.00105	653079.81
4183506.98	0.00118		
653129.81	4183506.98	0.00133	653179.81
4183506.98	0.00149		
653229.81	4183506.98	0.00165	653279.81
4183506.98	0.00177		
653329.81	4183506.98	0.00185	653379.81
4183506.98	0.00186		
653429.81	4183506.98	0.00179	653479.81
4183506.98	0.00166		

4183506.98	653529.81	4183506.98	0.00150	653579.81
	0.00133			
4183506.98	653629.81	4183506.98	0.00118	653679.81
	0.00105			
4183506.98	653729.81	4183506.98	0.00095	653779.81
	0.00087			
4183506.98	653829.81	4183506.98	0.00081	653879.81
	0.00075			
4183506.98	653929.81	4183506.98	0.00071	653979.81
	0.00067			
4183506.98	654029.81	4183506.98	0.00063	654079.81
	0.00061			
4183506.98	654129.81	4183506.98	0.00058	654179.81
	0.00056			
4183506.98	654229.81	4183506.98	0.00054	654279.81
	0.00051			
4183506.98	654329.81	4183506.98	0.00049	654379.81
	0.00047			
4183506.98	654429.81	4183506.98	0.00045	654479.81
	0.00043			
4183506.98	654529.81	4183506.98	0.00041	654579.81
	0.00039			
4183506.98	654629.81	4183506.98	0.00036	654679.81
	0.00034			
4183506.98	654729.81	4183506.98	0.00032	654779.81
	0.00031			
4183506.98	654829.81	4183506.98	0.00029	654879.81
	0.00027			
4183506.98	654929.81	4183506.98	0.00026	654979.81
	0.00024			
4183506.98	655029.81	4183506.98	0.00023	655079.81
	0.00022			
4183556.98	655129.81	4183506.98	0.00021	652679.81
	0.00053			
4183556.98	652729.81	4183556.98	0.00057	652779.81
	0.00062			
4183556.98	652829.81	4183556.98	0.00068	652879.81
	0.00074			
4183556.98	652929.81	4183556.98	0.00081	652979.81
	0.00090			
4183556.98	653029.81	4183556.98	0.00100	653079.81
	0.00112			
4183556.98	653129.81	4183556.98	0.00124	653179.81
	0.00136			
4183556.98	653229.81	4183556.98	0.00147	653279.81
	0.00154			
4183556.98	653329.81	4183556.98	0.00157	653379.81
	0.00154			
4183556.98	653429.81	4183556.98	0.00145	653479.81
	0.00134			

653529.81	4183556.98	0.00121	653579.81
4183556.98	0.00108		
653629.81	4183556.98	0.00096	653679.81
4183556.98	0.00087		
653729.81	4183556.98	0.00079	653779.81
4183556.98	0.00074		
653829.81	4183556.98	0.00069	653879.81
4183556.98	0.00064		
653929.81	4183556.98	0.00060	653979.81
4183556.98	0.00057		
654029.81	4183556.98	0.00054	654079.81
4183556.98	0.00052		

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654129.81	4183556.98	0.00051	654179.81
4183556.98	0.00049		
654229.81	4183556.98	0.00047	654279.81
4183556.98	0.00046		
654329.81	4183556.98	0.00044	654379.81
4183556.98	0.00042		
654429.81	4183556.98	0.00041	654479.81
4183556.98	0.00039		
654529.81	4183556.98	0.00037	654579.81
4183556.98	0.00036		
654629.81	4183556.98	0.00034	654679.81
4183556.98	0.00033		
654729.81	4183556.98	0.00031	654779.81
4183556.98	0.00029		
654829.81	4183556.98	0.00028	654879.81
4183556.98	0.00026		

654929.81	4183556.98	0.00025	654979.81
4183556.98	0.00024		
655029.81	4183556.98	0.00022	655079.81
4183556.98	0.00021		
655129.81	4183556.98	0.00020	652679.81
4183606.98	0.00052		
652729.81	4183606.98	0.00056	652779.81
4183606.98	0.00060		
652829.81	4183606.98	0.00066	652879.81
4183606.98	0.00072		
652929.81	4183606.98	0.00079	652979.81
4183606.98	0.00087		
653029.81	4183606.98	0.00096	653079.81
4183606.98	0.00105		
653129.81	4183606.98	0.00115	653179.81
4183606.98	0.00124		
653229.81	4183606.98	0.00130	653279.81
4183606.98	0.00133		
653329.81	4183606.98	0.00133	653379.81
4183606.98	0.00128		
653429.81	4183606.98	0.00120	653479.81
4183606.98	0.00109		
653529.81	4183606.98	0.00099	653579.81
4183606.98	0.00089		
653629.81	4183606.98	0.00080	653679.81
4183606.98	0.00073		
653729.81	4183606.98	0.00068	653779.81
4183606.98	0.00063		
653829.81	4183606.98	0.00059	653879.81
4183606.98	0.00056		
653929.81	4183606.98	0.00052	653979.81
4183606.98	0.00049		
654029.81	4183606.98	0.00047	654079.81
4183606.98	0.00046		
654129.81	4183606.98	0.00044	654179.81
4183606.98	0.00043		
654229.81	4183606.98	0.00042	654279.81
4183606.98	0.00040		
654329.81	4183606.98	0.00039	654379.81
4183606.98	0.00038		
654429.81	4183606.98	0.00037	654479.81
4183606.98	0.00036		
654529.81	4183606.98	0.00034	654579.81
4183606.98	0.00033		
654629.81	4183606.98	0.00032	654679.81
4183606.98	0.00031		
654729.81	4183606.98	0.00029	654779.81
4183606.98	0.00028		
654829.81	4183606.98	0.00027	654879.81
4183606.98	0.00025		

654929.81	4183606.98	0.00024	654979.81
4183606.98	0.00023		
655029.81	4183606.98	0.00022	655079.81
4183606.98	0.00021		
655129.81	4183606.98	0.00020	652679.81
4183656.98	0.00051		
652729.81	4183656.98	0.00054	652779.81
4183656.98	0.00059		
652829.81	4183656.98	0.00064	652879.81
4183656.98	0.00069		
652929.81	4183656.98	0.00076	652979.81
4183656.98	0.00083		
653029.81	4183656.98	0.00091	653079.81
4183656.98	0.00099		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
653129.81	4183656.98	0.00106	653179.81
4183656.98	0.00111		
653229.81	4183656.98	0.00115	653279.81
4183656.98	0.00115		
653329.81	4183656.98	0.00113	653379.81
4183656.98	0.00107		
653429.81	4183656.98	0.00099	653479.81
4183656.98	0.00091		
653529.81	4183656.98	0.00082	653579.81
4183656.98	0.00074		
653629.81	4183656.98	0.00068	653679.81
4183656.98	0.00063		
653729.81	4183656.98	0.00058	653779.81
4183656.98	0.00055		

4183656.98	653829.81	4183656.98	0.00052	653879.81
		0.00049		
4183656.98	653929.81	4183656.98	0.00046	653979.81
		0.00043		
4183656.98	654029.81	4183656.98	0.00042	654079.81
		0.00040		
4183656.98	654129.81	4183656.98	0.00039	654179.81
		0.00038		
4183656.98	654229.81	4183656.98	0.00037	654279.81
		0.00036		
4183656.98	654329.81	4183656.98	0.00035	654379.81
		0.00034		
4183656.98	654429.81	4183656.98	0.00034	654479.81
		0.00033		
4183656.98	654529.81	4183656.98	0.00032	654579.81
		0.00031		
4183656.98	654629.81	4183656.98	0.00030	654679.81
		0.00029		
4183656.98	654729.81	4183656.98	0.00028	654779.81
		0.00027		
4183656.98	654829.81	4183656.98	0.00026	654879.81
		0.00025		
4183656.98	654929.81	4183656.98	0.00023	654979.81
		0.00022		
4183656.98	655029.81	4183656.98	0.00021	655079.81
		0.00020		
4183706.98	655129.81	4183656.98	0.00019	652679.81
		0.00049		
4183706.98	652729.81	4183706.98	0.00053	652779.81
		0.00057		
4183706.98	652829.81	4183706.98	0.00062	652879.81
		0.00067		
4183706.98	652929.81	4183706.98	0.00073	652979.81
		0.00080		
4183706.98	653029.81	4183706.98	0.00086	653079.81
		0.00092		
4183706.98	653129.81	4183706.98	0.00097	653179.81
		0.00100		
4183706.98	653229.81	4183706.98	0.00101	653279.81
		0.00100		
4183706.98	653329.81	4183706.98	0.00096	653379.81
		0.00091		
4183706.98	653429.81	4183706.98	0.00084	653479.81
		0.00076		
4183706.98	653529.81	4183706.98	0.00069	653579.81
		0.00063		
4183706.98	653629.81	4183706.98	0.00058	653679.81
		0.00054		
4183706.98	653729.81	4183706.98	0.00051	653779.81
		0.00048		

653829.81	4183706.98	0.00046	653879.81
4183706.98	0.00043		
653929.81	4183706.98	0.00041	653979.81
4183706.98	0.00039		
654029.81	4183706.98	0.00037	654079.81
4183706.98	0.00036		
654129.81	4183706.98	0.00035	654179.81
4183706.98	0.00034		
654229.81	4183706.98	0.00033	654279.81
4183706.98	0.00032		
654329.81	4183706.98	0.00032	654379.81
4183706.98	0.00031		
654429.81	4183706.98	0.00030	654479.81
4183706.98	0.00030		
654529.81	4183706.98	0.00029	654579.81
4183706.98	0.00028		

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654629.81	4183706.98	0.00028	654679.81
4183706.98	0.00027		
654729.81	4183706.98	0.00026	654779.81
4183706.98	0.00025		
654829.81	4183706.98	0.00024	654879.81
4183706.98	0.00024		
654929.81	4183706.98	0.00023	654979.81
4183706.98	0.00022		
655029.81	4183706.98	0.00021	655079.81
4183706.98	0.00020		
655129.81	4183706.98	0.00019	652679.81
4183756.98	0.00048		

4183756.98	652729.81	4183756.98	0.00052	652779.81
4183756.98	0.00056			
4183756.98	652829.81	4183756.98	0.00060	652879.81
4183756.98	0.00065			
4183756.98	652929.81	4183756.98	0.00070	652979.81
4183756.98	0.00076			
4183756.98	653029.81	4183756.98	0.00080	653079.81
4183756.98	0.00085			
4183756.98	653129.81	4183756.98	0.00088	653179.81
4183756.98	0.00089			
4183756.98	653229.81	4183756.98	0.00089	653279.81
4183756.98	0.00087			
4183756.98	653329.81	4183756.98	0.00083	653379.81
4183756.98	0.00077			
4183756.98	653429.81	4183756.98	0.00071	653479.81
4183756.98	0.00065			
4183756.98	653529.81	4183756.98	0.00059	653579.81
4183756.98	0.00054			
4183756.98	653629.81	4183756.98	0.00051	653679.81
4183756.98	0.00048			
4183756.98	653729.81	4183756.98	0.00045	653779.81
4183756.98	0.00043			
4183756.98	653829.81	4183756.98	0.00041	653879.81
4183756.98	0.00039			
4183756.98	653929.81	4183756.98	0.00036	653979.81
4183756.98	0.00035			
4183756.98	654029.81	4183756.98	0.00033	654079.81
4183756.98	0.00032			
4183756.98	654129.81	4183756.98	0.00031	654179.81
4183756.98	0.00030			
4183756.98	654229.81	4183756.98	0.00030	654279.81
4183756.98	0.00029			
4183756.98	654329.81	4183756.98	0.00029	654379.81
4183756.98	0.00028			
4183756.98	654429.81	4183756.98	0.00028	654479.81
4183756.98	0.00027			
4183756.98	654529.81	4183756.98	0.00027	654579.81
4183756.98	0.00026			
4183756.98	654629.81	4183756.98	0.00026	654679.81
4183756.98	0.00025			
4183756.98	654729.81	4183756.98	0.00024	654779.81
4183756.98	0.00024			
4183756.98	654829.81	4183756.98	0.00023	654879.81
4183756.98	0.00022			
4183756.98	654929.81	4183756.98	0.00022	654979.81
4183756.98	0.00021			
4183756.98	655029.81	4183756.98	0.00020	655079.81
4183756.98	0.00019			
4183806.98	655129.81	4183756.98	0.00019	652679.81
4183806.98	0.00047			

	652729.81	4183806.98	0.00051	652779.81
4183806.98	0.00054			
	652829.81	4183806.98	0.00059	652879.81
4183806.98	0.00063			
	652929.81	4183806.98	0.00067	652979.81
4183806.98	0.00071			
	653029.81	4183806.98	0.00075	653079.81
4183806.98	0.00078			
	653129.81	4183806.98	0.00079	653179.81
4183806.98	0.00080			
	653229.81	4183806.98	0.00078	653279.81
4183806.98	0.00076			
	653329.81	4183806.98	0.00071	653379.81
4183806.98	0.00066			
	653429.81	4183806.98	0.00061	653479.81
4183806.98	0.00056			
	653529.81	4183806.98	0.00051	653579.81
4183806.98	0.00048			

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		

653629.81	4183806.98	0.00045	653679.81
4183806.98	0.00042		
653729.81	4183806.98	0.00041	653779.81
4183806.98	0.00039		
653829.81	4183806.98	0.00037	653879.81
4183806.98	0.00035		
653929.81	4183806.98	0.00033	653979.81
4183806.98	0.00031		
654029.81	4183806.98	0.00030	654079.81
4183806.98	0.00029		

654129.81	4183806.98	0.00028	654179.81
4183806.98	0.00027		
654229.81	4183806.98	0.00027	654279.81
4183806.98	0.00027		
654329.81	4183806.98	0.00026	654379.81
4183806.98	0.00026		
654429.81	4183806.98	0.00025	654479.81
4183806.98	0.00025		
654529.81	4183806.98	0.00025	654579.81
4183806.98	0.00024		
654629.81	4183806.98	0.00024	654679.81
4183806.98	0.00023		
654729.81	4183806.98	0.00023	654779.81
4183806.98	0.00022		
654829.81	4183806.98	0.00022	654879.81
4183806.98	0.00021		
654929.81	4183806.98	0.00021	654979.81
4183806.98	0.00020		
655029.81	4183806.98	0.00019	655079.81
4183806.98	0.00019		
655129.81	4183806.98	0.00018	652679.81
4183856.98	0.00046		
652729.81	4183856.98	0.00049	652779.81
4183856.98	0.00053		
652829.81	4183856.98	0.00057	652879.81
4183856.98	0.00060		
652929.81	4183856.98	0.00064	652979.81
4183856.98	0.00067		
653029.81	4183856.98	0.00069	653079.81
4183856.98	0.00071		
653129.81	4183856.98	0.00072	653179.81
4183856.98	0.00071		
653229.81	4183856.98	0.00069	653279.81
4183856.98	0.00066		
653329.81	4183856.98	0.00062	653379.81
4183856.98	0.00057		
653429.81	4183856.98	0.00052	653479.81
4183856.98	0.00048		
653529.81	4183856.98	0.00045	653579.81
4183856.98	0.00042		
653629.81	4183856.98	0.00040	653679.81
4183856.98	0.00038		
653729.81	4183856.98	0.00037	653779.81
4183856.98	0.00035		
653829.81	4183856.98	0.00033	653879.81
4183856.98	0.00032		
653929.81	4183856.98	0.00030	653979.81
4183856.98	0.00029		
654029.81	4183856.98	0.00027	654079.81
4183856.98	0.00026		

654129.81	4183856.98	0.00026	654179.81
4183856.98	0.00025		
654229.81	4183856.98	0.00025	654279.81
4183856.98	0.00024		
654329.81	4183856.98	0.00024	654379.81
4183856.98	0.00023		
654429.81	4183856.98	0.00023	654479.81
4183856.98	0.00023		
654529.81	4183856.98	0.00023	654579.81
4183856.98	0.00022		
654629.81	4183856.98	0.00022	654679.81
4183856.98	0.00022		
654729.81	4183856.98	0.00021	654779.81
4183856.98	0.00021		
654829.81	4183856.98	0.00021	654879.81
4183856.98	0.00020		
654929.81	4183856.98	0.00020	654979.81
4183856.98	0.00019		
655029.81	4183856.98	0.00019	655079.81
4183856.98	0.00018		

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
655129.81	4183856.98	0.00018	652679.81
4183906.98	0.00045		
652729.81	4183906.98	0.00048	652779.81
4183906.98	0.00051		
652829.81	4183906.98	0.00055	652879.81
4183906.98	0.00058		
652929.81	4183906.98	0.00060	652979.81
4183906.98	0.00062		

4183906.98	653029.81	4183906.98	0.00064	653079.81
4183906.98	0.00065			
4183906.98	653129.81	4183906.98	0.00065	653179.81
4183906.98	0.00063			
4183906.98	653229.81	4183906.98	0.00061	653279.81
4183906.98	0.00058			
4183906.98	653329.81	4183906.98	0.00054	653379.81
4183906.98	0.00050			
4183906.98	653429.81	4183906.98	0.00046	653479.81
4183906.98	0.00042			
4183906.98	653529.81	4183906.98	0.00039	653579.81
4183906.98	0.00037			
4183906.98	653629.81	4183906.98	0.00036	653679.81
4183906.98	0.00034			
4183906.98	653729.81	4183906.98	0.00033	653779.81
4183906.98	0.00032			
4183906.98	653829.81	4183906.98	0.00031	653879.81
4183906.98	0.00029			
4183906.98	653929.81	4183906.98	0.00028	653979.81
4183906.98	0.00026			
4183906.98	654029.81	4183906.98	0.00025	654079.81
4183906.98	0.00024			
4183906.98	654129.81	4183906.98	0.00023	654179.81
4183906.98	0.00023			
4183906.98	654229.81	4183906.98	0.00023	654279.81
4183906.98	0.00022			
4183906.98	654329.81	4183906.98	0.00022	654379.81
4183906.98	0.00022			
4183906.98	654429.81	4183906.98	0.00021	654479.81
4183906.98	0.00021			
4183906.98	654529.81	4183906.98	0.00021	654579.81
4183906.98	0.00020			
4183906.98	654629.81	4183906.98	0.00020	654679.81
4183906.98	0.00020			
4183906.98	654729.81	4183906.98	0.00020	654779.81
4183906.98	0.00019			
4183906.98	654829.81	4183906.98	0.00019	654879.81
4183906.98	0.00019			
4183906.98	654929.81	4183906.98	0.00019	654979.81
4183906.98	0.00018			
4183906.98	655029.81	4183906.98	0.00018	655079.81
4183906.98	0.00017			
4183956.98	655129.81	4183906.98	0.00017	652679.81
4183956.98	0.00044			
4183956.98	652729.81	4183956.98	0.00047	652779.81
4183956.98	0.00050			
4183956.98	652829.81	4183956.98	0.00052	652879.81
4183956.98	0.00055			
4183956.98	652929.81	4183956.98	0.00057	652979.81
4183956.98	0.00058			

4183956.98	653029.81	4183956.98	0.00059	653079.81
4183956.98	653129.81	4183956.98	0.00058	653179.81
4183956.98	653229.81	4183956.98	0.00054	653279.81
4183956.98	653329.81	4183956.98	0.00047	653379.81
4183956.98	653429.81	4183956.98	0.00040	653479.81
4183956.98	653529.81	4183956.98	0.00035	653579.81
4183956.98	653629.81	4183956.98	0.00032	653679.81
4183956.98	653729.81	4183956.98	0.00030	653779.81
4183956.98	653829.81	4183956.98	0.00028	653879.81
4183956.98	653929.81	4183956.98	0.00025	653979.81
4183956.98	654029.81	4183956.98	0.00023	654079.81

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	
Y-COORD (M)	CONC			
4183956.98	654129.81	4183956.98	0.00022	654179.81
4183956.98	654229.81	4183956.98	0.00021	654279.81
4183956.98	654329.81	4183956.98	0.00020	654379.81

4183956.98	654429.81	4183956.98	0.00020	654479.81
		0.00019		
4183956.98	654529.81	4183956.98	0.00019	654579.81
		0.00019		
4183956.98	654629.81	4183956.98	0.00019	654679.81
		0.00019		
4183956.98	654729.81	4183956.98	0.00018	654779.81
		0.00018		
4183956.98	654829.81	4183956.98	0.00018	654879.81
		0.00018		
4183956.98	654929.81	4183956.98	0.00018	654979.81
		0.00017		
4183956.98	655029.81	4183956.98	0.00017	655079.81
		0.00017		
4184006.98	655129.81	4183956.98	0.00016	652679.81
		0.00043		
4184006.98	652729.81	4184006.98	0.00045	652779.81
		0.00048		
4184006.98	652829.81	4184006.98	0.00050	652879.81
		0.00051		
4184006.98	652929.81	4184006.98	0.00053	652979.81
		0.00054		
4184006.98	653029.81	4184006.98	0.00054	653079.81
		0.00054		
4184006.98	653129.81	4184006.98	0.00052	653179.81
		0.00051		
4184006.98	653229.81	4184006.98	0.00048	653279.81
		0.00045		
4184006.98	653329.81	4184006.98	0.00042	653379.81
		0.00038		
4184006.98	653429.81	4184006.98	0.00036	653479.81
		0.00033		
4184006.98	653529.81	4184006.98	0.00032	653579.81
		0.00030		
4184006.98	653629.81	4184006.98	0.00030	653679.81
		0.00029		
4184006.98	653729.81	4184006.98	0.00028	653779.81
		0.00027		
4184006.98	653829.81	4184006.98	0.00026	653879.81
		0.00025		
4184006.98	653929.81	4184006.98	0.00024	653979.81
		0.00022		
4184006.98	654029.81	4184006.98	0.00022	654079.81
		0.00021		
4184006.98	654129.81	4184006.98	0.00020	654179.81
		0.00020		
4184006.98	654229.81	4184006.98	0.00019	654279.81
		0.00019		
4184006.98	654329.81	4184006.98	0.00019	654379.81
		0.00018		

654429.81	4184006.98	0.00018	654479.81
4184006.98	0.00018		
654529.81	4184006.98	0.00018	654579.81
4184006.98	0.00018		
654629.81	4184006.98	0.00017	654679.81
4184006.98	0.00017		
654729.81	4184006.98	0.00017	654779.81
4184006.98	0.00017		
654829.81	4184006.98	0.00017	654879.81
4184006.98	0.00017		
654929.81	4184006.98	0.00016	654979.81
4184006.98	0.00016		
655029.81	4184006.98	0.00016	655079.81
4184006.98	0.00016		
655129.81	4184006.98	0.00016	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
652679.81	4181556.98	0.12874	(17022208)	652729.81
4181556.98	0.13347	(17022208)		
652779.81	4181556.98	0.14335	(17121508)	652829.81
4181556.98	0.15173	(17121508)		
652879.81	4181556.98	0.15671	(17121508)	652929.81
4181556.98	0.15765	(17121508)		
652979.81	4181556.98	0.15413	(17121508)	653029.81
4181556.98	0.14609	(17121508)		
653079.81	4181556.98	0.15808	(17020109)	653129.81
4181556.98	0.18055	(17020109)		
653179.81	4181556.98	0.19866	(17020109)	653229.81
4181556.98	0.20996	(17020109)		

653279.81	4181556.98	0.21223	(17020109)	653329.81
4181556.98	0.20421 (17020109)			
653379.81	4181556.98	0.18601	(17020109)	653429.81
4181556.98	0.20947 (17011609)			
653479.81	4181556.98	0.22798	(17011609)	653529.81
4181556.98	0.23677 (17011609)			
653579.81	4181556.98	0.23380	(17011609)	653629.81
4181556.98	0.21867 (17011609)			
653679.81	4181556.98	0.19291	(17011609)	653729.81
4181556.98	0.16900 (17011209)			
653779.81	4181556.98	0.17489	(17011209)	653829.81
4181556.98	0.16984 (17011209)			
653879.81	4181556.98	0.15414	(17011209)	653929.81
4181556.98	0.13027 (17011209)			
653979.81	4181556.98	0.10222	(17011209)	654029.81
4181556.98	0.08661 (17011708)			
654079.81	4181556.98	0.11181	(17011708)	654129.81
4181556.98	0.13636 (17011708)			
654179.81	4181556.98	0.15704	(17011708)	654229.81
4181556.98	0.17081 (17011708)			
654279.81	4181556.98	0.17556	(17011708)	654329.81
4181556.98	0.17061 (17011708)			
654379.81	4181556.98	0.15690	(17011708)	654429.81
4181556.98	0.13678 (17011708)			
654479.81	4181556.98	0.15239	(17011208)	654529.81
4181556.98	0.16743 (17011208)			
654579.81	4181556.98	0.17712	(17011208)	654629.81
4181556.98	0.18077 (17011208)			
654679.81	4181556.98	0.17833	(17011208)	654729.81
4181556.98	0.17036 (17011208)			
654779.81	4181556.98	0.15788	(17011208)	654829.81
4181556.98	0.15173 (17012408)			
654879.81	4181556.98	0.14833	(17012408)	654929.81
4181556.98	0.14062 (17012408)			
654979.81	4181556.98	0.12958	(17012408)	655029.81
4181556.98	0.11628 (17012408)			
655079.81	4181556.98	0.11260	(17011309)	655129.81
4181556.98	0.11223 (17030208)			
652679.81	4181606.98	0.12868	(17022208)	652729.81
4181606.98	0.13576 (17022208)			
652779.81	4181606.98	0.14203	(17121508)	652829.81
4181606.98	0.15285 (17121508)			
652879.81	4181606.98	0.16056	(17121508)	652929.81
4181606.98	0.16434 (17121508)			
652979.81	4181606.98	0.16355	(17121508)	653029.81
4181606.98	0.15785 (17121508)			
653079.81	4181606.98	0.15392	(17020109)	653129.81
4181606.98	0.17866 (17020109)			
653179.81	4181606.98	0.19990	(17020109)	653229.81
4181606.98	0.21495 (17020109)			

653279.81	4181606.98	0.22118	(17020109)	653329.81
4181606.98	0.21671	(17020109)		
653379.81	4181606.98	0.20103	(17020109)	653429.81
4181606.98	0.21360	(17011609)		
653479.81	4181606.98	0.23483	(17011609)	653529.81
4181606.98	0.24617	(17011609)		
653579.81	4181606.98	0.24508	(17011609)	653629.81
4181606.98	0.23078	(17011609)		
653679.81	4181606.98	0.20456	(17011609)	653729.81
4181606.98	0.17625	(17011209)		
653779.81	4181606.98	0.18243	(17011209)	653829.81
4181606.98	0.17676	(17011209)		
653879.81	4181606.98	0.15959	(17011209)	653929.81
4181606.98	0.13373	(17011209)		
653979.81	4181606.98	0.10363	(17011209)	654029.81
4181606.98	0.09827	(17011708)		
654079.81	4181606.98	0.12532	(17011708)	654129.81
4181606.98	0.15063	(17011708)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654179.81	4181606.98	0.17057	(17011708)	654229.81
4181606.98	0.18197	(17011708)		
654279.81	4181606.98	0.18300	(17011708)	654329.81
4181606.98	0.17362	(17011708)		
654379.81	4181606.98	0.15558	(17011708)	654429.81
4181606.98	0.15181	(17011208)		
654479.81	4181606.98	0.17001	(17011208)	654529.81
4181606.98	0.18280	(17011208)		
654579.81	4181606.98	0.18916	(17011208)	654629.81
4181606.98	0.18874	(17011208)		

654679.81	4181606.98	0.18191	(17011208)	654729.81
4181606.98	0.16971 (17011208)			
654779.81	4181606.98	0.15945	(17012408)	654829.81
4181606.98	0.15672 (17012408)			
654879.81	4181606.98	0.14915	(17012408)	654929.81
4181606.98	0.13769 (17012408)			
654979.81	4181606.98	0.12361	(17012408)	655029.81
4181606.98	0.11829 (17011309)			
655079.81	4181606.98	0.11861	(17030208)	655129.81
4181606.98	0.12659 (17030208)			
652679.81	4181656.98	0.13006	(17121108)	652729.81
4181656.98	0.13635 (17022208)			
652779.81	4181656.98	0.14312	(17022208)	652829.81
4181656.98	0.15232 (17121508)			
652879.81	4181656.98	0.16280	(17121508)	652929.81
4181656.98	0.16960 (17121508)			
652979.81	4181656.98	0.17187	(17121508)	653029.81
4181656.98	0.16902 (17121508)			
653079.81	4181656.98	0.16082	(17121508)	653129.81
4181656.98	0.17567 (17020109)			
653179.81	4181656.98	0.19990	(17020109)	653229.81
4181656.98	0.21873 (17020109)			
653279.81	4181656.98	0.22919	(17020109)	653329.81
4181656.98	0.22880 (17020109)			
653379.81	4181656.98	0.21632	(17020109)	653429.81
4181656.98	0.21750 (17011609)			
653479.81	4181656.98	0.24168	(17011609)	653529.81
4181656.98	0.25586 (17011609)			
653579.81	4181656.98	0.25697	(17011609)	653629.81
4181656.98	0.24374 (17011609)			
653679.81	4181656.98	0.21722	(17011609)	653729.81
4181656.98	0.18402 (17011209)			
653779.81	4181656.98	0.19054	(17011209)	653829.81
4181656.98	0.18418 (17011209)			
653879.81	4181656.98	0.16538	(17011209)	653929.81
4181656.98	0.13731 (17011209)			
653979.81	4181656.98	0.10498	(17011209)	654029.81
4181656.98	0.11144 (17011708)			
654079.81	4181656.98	0.14023	(17011708)	654129.81
4181656.98	0.16589 (17011708)			
654179.81	4181656.98	0.18441	(17011708)	654229.81
4181656.98	0.19263 (17011708)			
654279.81	4181656.98	0.18920	(17011708)	654329.81
4181656.98	0.17490 (17011708)			
654379.81	4181656.98	0.15239	(17011708)	654429.81
4181656.98	0.17146 (17011208)			
654479.81	4181656.98	0.18777	(17011208)	654529.81
4181656.98	0.19728 (17011208)			
654579.81	4181656.98	0.19935	(17011208)	654629.81
4181656.98	0.19415 (17011208)			

654679.81	4181656.98	0.18262	(17011208)	654729.81
4181656.98	0.16759	(17012408)		
654779.81	4181656.98	0.16580	(17012408)	654829.81
4181656.98	0.15844	(17012408)		
654879.81	4181656.98	0.14659	(17012408)	654929.81
4181656.98	0.13168	(17012408)		
654979.81	4181656.98	0.12449	(17011309)	655029.81
4181656.98	0.12558	(17030208)		
655079.81	4181656.98	0.13399	(17030208)	655129.81
4181656.98	0.13957	(17030208)		
652679.81	4181706.98	0.14298	(17121108)	652729.81
4181706.98	0.13542	(17121108)		
652779.81	4181706.98	0.14445	(17022208)	652829.81
4181706.98	0.15090	(17022208)		
652879.81	4181706.98	0.16328	(17121508)	652929.81
4181706.98	0.17319	(17121508)		
652979.81	4181706.98	0.17879	(17121508)	653029.81
4181706.98	0.17920	(17121508)		
653079.81	4181706.98	0.17392	(17121508)	653129.81
4181706.98	0.17161	(17020109)		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653179.81	4181706.98	0.19863	(17020109)	653229.81
4181706.98	0.22120	(17020109)		
653279.81	4181706.98	0.23610	(17020109)	653329.81
4181706.98	0.24026	(17020109)		
653379.81	4181706.98	0.23168	(17020109)	653429.81
4181706.98	0.22114	(17011609)		
653479.81	4181706.98	0.24848	(17011609)	653529.81
4181706.98	0.26582	(17011609)		

653579.81	4181706.98	0.26951	(17011609)	653629.81
4181706.98	0.25767	(17011609)		
653679.81	4181706.98	0.23101	(17011609)	653729.81
4181706.98	0.19313	(17011609)		
653779.81	4181706.98	0.19929	(17011209)	653829.81
4181706.98	0.19217	(17011209)		
653879.81	4181706.98	0.17155	(17011209)	653929.81
4181706.98	0.14102	(17011209)		
653979.81	4181706.98	0.10628	(17011209)	654029.81
4181706.98	0.12626	(17011708)		
654079.81	4181706.98	0.15658	(17011708)	654129.81
4181706.98	0.18204	(17011708)		
654179.81	4181706.98	0.19831	(17011708)	654229.81
4181706.98	0.20244	(17011708)		
654279.81	4181706.98	0.19379	(17011708)	654329.81
4181706.98	0.17415	(17011708)		
654379.81	4181706.98	0.17153	(17011208)	654429.81
4181706.98	0.19175	(17011208)		
654479.81	4181706.98	0.20500	(17011208)	654529.81
4181706.98	0.21016	(17011208)		
654579.81	4181706.98	0.20707	(17011208)	654629.81
4181706.98	0.19649	(17011208)		
654679.81	4181706.98	0.18006	(17011208)	654729.81
4181706.98	0.17556	(17012408)		
654779.81	4181706.98	0.16857	(17012408)	654829.81
4181706.98	0.15638	(17012408)		
654879.81	4181706.98	0.14059	(17012408)	654929.81
4181706.98	0.13128	(17011309)		
654979.81	4181706.98	0.13325	(17030208)	655029.81
4181706.98	0.14209	(17030208)		
655079.81	4181706.98	0.14777	(17030208)	655129.81
4181706.98	0.15015	(17030208)		
652679.81	4181756.98	0.15474	(17121108)	652729.81
4181756.98	0.14952	(17121108)		
652779.81	4181756.98	0.14386	(17022208)	652829.81
4181756.98	0.15318	(17022208)		
652879.81	4181756.98	0.16192	(17121508)	652929.81
4181756.98	0.17490	(17121508)		
652979.81	4181756.98	0.18399	(17121508)	653029.81
4181756.98	0.18805	(17121508)		
653079.81	4181756.98	0.18624	(17121508)	653129.81
4181756.98	0.17812	(17121508)		
653179.81	4181756.98	0.19607	(17020109)	653229.81
4181756.98	0.22226	(17020109)		
653279.81	4181756.98	0.24169	(17020109)	653329.81
4181756.98	0.25084	(17020109)		
653379.81	4181756.98	0.24687	(17020109)	653429.81
4181756.98	0.22866	(17020109)		
653479.81	4181756.98	0.25518	(17011609)	653529.81
4181756.98	0.27602	(17011609)		

653579.81	4181756.98	0.28270	(17011609)	653629.81
4181756.98	0.27262	(17011609)		
653679.81	4181756.98	0.24602	(17011609)	653729.81
4181756.98	0.20647	(17011609)		
653779.81	4181756.98	0.20875	(17011209)	653829.81
4181756.98	0.20079	(17011209)		
653879.81	4181756.98	0.17813	(17011209)	653929.81
4181756.98	0.14487	(17011209)		
653979.81	4181756.98	0.10958	(17011708)	654029.81
4181756.98	0.14291	(17011708)		
654079.81	4181756.98	0.17440	(17011708)	654129.81
4181756.98	0.19893	(17011708)		
654179.81	4181756.98	0.21196	(17011708)	654229.81
4181756.98	0.21098	(17011708)		
654279.81	4181756.98	0.19637	(17011708)	654329.81
4181756.98	0.17112	(17011708)		
654379.81	4181756.98	0.19442	(17011208)	654429.81
4181756.98	0.21202	(17011208)		
654479.81	4181756.98	0.22093	(17011208)	654529.81
4181756.98	0.22059	(17011208)		
654579.81	4181756.98	0.21153	(17011208)	654629.81
4181756.98	0.19535	(17011208)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654679.81	4181756.98	0.18605	(17012408)	654729.81
4181756.98	0.17964	(17012408)		
654779.81	4181756.98	0.16717	(17012408)	654829.81
4181756.98	0.15044	(17012408)		
654879.81	4181756.98	0.13873	(17011309)	654929.81
4181756.98	0.14170	(17030208)		

654979.81	4181756.98	0.15102	(17030208)	655029.81
4181756.98	0.15675 (17030208)			
655079.81	4181756.98	0.15879	(17030208)	655129.81
4181756.98	0.15732 (17030208)			
652679.81	4181806.98	0.16474	(17121108)	652729.81
4181806.98	0.16240 (17121108)			
652779.81	4181806.98	0.15661	(17121108)	652829.81
4181806.98	0.15334 (17022208)			
652879.81	4181806.98	0.16251	(17022208)	652929.81
4181806.98	0.17460 (17121508)			
652979.81	4181806.98	0.18721	(17121508)	653029.81
4181806.98	0.19517 (17121508)			
653079.81	4181806.98	0.19731	(17121508)	653129.81
4181806.98	0.19279 (17121508)			
653179.81	4181806.98	0.19226	(17020109)	653229.81
4181806.98	0.22183 (17020109)			
653279.81	4181806.98	0.24579	(17020109)	653329.81
4181806.98	0.26023 (17020109)			
653379.81	4181806.98	0.26156	(17020109)	653429.81
4181806.98	0.24761 (17020109)			
653479.81	4181806.98	0.26174	(17011609)	653529.81
4181806.98	0.28643 (17011609)			
653579.81	4181806.98	0.29654	(17011609)	653629.81
4181806.98	0.28866 (17011609)			
653679.81	4181806.98	0.26243	(17011609)	653729.81
4181806.98	0.22121 (17011609)			
653779.81	4181806.98	0.21901	(17011209)	653829.81
4181806.98	0.21012 (17011209)			
653879.81	4181806.98	0.18518	(17011209)	653929.81
4181806.98	0.14886 (17011209)			
653979.81	4181806.98	0.12562	(17011708)	654029.81
4181806.98	0.16151 (17011708)			
654079.81	4181806.98	0.19367	(17011708)	654129.81
4181806.98	0.21632 (17011708)			
654179.81	4181806.98	0.22493	(17011708)	654229.81
4181806.98	0.21779 (17011708)			
654279.81	4181806.98	0.19654	(17011708)	654329.81
4181806.98	0.19544 (17011208)			
654379.81	4181806.98	0.21798	(17011208)	654429.81
4181806.98	0.23142 (17011208)			
654479.81	4181806.98	0.23459	(17011208)	654529.81
4181806.98	0.22765 (17011208)			
654579.81	4181806.98	0.21205	(17011208)	654629.81
4181806.98	0.19735 (17012408)			
654679.81	4181806.98	0.19177	(17012408)	654729.81
4181806.98	0.17914 (17012408)			
654779.81	4181806.98	0.16140	(17012408)	654829.81
4181806.98	0.14695 (17011309)			
654879.81	4181806.98	0.15104	(17030208)	654929.81
4181806.98	0.16087 (17030208)			

654979.81	4181806.98	0.16661	(17030208)	655029.81
4181806.98	0.16821	(17030208)		
655079.81	4181806.98	0.16596	(17030208)	655129.81
4181806.98	0.16033	(17122708)		
652679.81	4181856.98	0.17238	(17121108)	652729.81
4181856.98	0.17337	(17121108)		
652779.81	4181856.98	0.17074	(17121108)	652829.81
4181856.98	0.16432	(17121108)		
652879.81	4181856.98	0.16359	(17022208)	652929.81
4181856.98	0.17249	(17022208)		
652979.81	4181856.98	0.18823	(17121508)	653029.81
4181856.98	0.20020	(17121508)		
653079.81	4181856.98	0.20666	(17121508)	653129.81
4181856.98	0.20639	(17121508)		
653179.81	4181856.98	0.19864	(17121508)	653229.81
4181856.98	0.21991	(17020109)		
653279.81	4181856.98	0.24827	(17020109)	653329.81
4181856.98	0.26818	(17020109)		
653379.81	4181856.98	0.27540	(17020109)	653429.81
4181856.98	0.26664	(17020109)		
653479.81	4181856.98	0.26811	(17011609)	653529.81
4181856.98	0.29699	(17011609)		
653579.81	4181856.98	0.31105	(17011609)	653629.81
4181856.98	0.30588	(17011609)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653679.81	4181856.98	0.28037	(17011609)	653729.81
4181856.98	0.23755	(17011609)		
653779.81	4181856.98	0.23019	(17011209)	653829.81
4181856.98	0.22026	(17011209)		

653879.81	4181856.98	0.19274	(17011209)	653929.81
4181856.98	0.15300 (17011209)			
653979.81	4181856.98	0.14394	(17011708)	654029.81
4181856.98	0.18218 (17011708)			
654079.81	4181856.98	0.21428	(17011708)	654129.81
4181856.98	0.23386 (17011708)			
654179.81	4181856.98	0.23671	(17011708)	654229.81
4181856.98	0.22230 (17011708)			
654279.81	4181856.98	0.19438	(17011208)	654329.81
4181856.98	0.22243 (17011208)			
654379.81	4181856.98	0.24127	(17011208)	654429.81
4181856.98	0.24887 (17011208)			
654479.81	4181856.98	0.24486	(17011208)	654529.81
4181856.98	0.23045 (17011208)			
654579.81	4181856.98	0.20954	(17012408)	654629.81
4181856.98	0.20511 (17012408)			
654679.81	4181856.98	0.19241	(17012408)	654729.81
4181856.98	0.17363 (17012408)			
654779.81	4181856.98	0.15605	(17011309)	654829.81
4181856.98	0.16143 (17030208)			
654879.81	4181856.98	0.17179	(17030208)	654929.81
4181856.98	0.17748 (17030208)			
654979.81	4181856.98	0.17854	(17030208)	655029.81
4181856.98	0.17527 (17030208)			
655079.81	4181856.98	0.16910	(17122708)	655129.81
4181856.98	0.16230 (17122708)			
652679.81	4181906.98	0.17717	(17121108)	652729.81
4181906.98	0.18177 (17121108)			
652779.81	4181906.98	0.18281	(17121108)	652829.81
4181906.98	0.17987 (17121108)			
652879.81	4181906.98	0.17275	(17121108)	652929.81
4181906.98	0.17466 (17022208)			
652979.81	4181906.98	0.18692	(17121508)	653029.81
4181906.98	0.20284 (17121508)			
653079.81	4181906.98	0.21385	(17121508)	653129.81
4181906.98	0.21836 (17121508)			
653179.81	4181906.98	0.21512	(17121508)	653229.81
4181906.98	0.21652 (17020109)			
653279.81	4181906.98	0.24904	(17020109)	653329.81
4181906.98	0.27447 (17020109)			
653379.81	4181906.98	0.28806	(17020109)	653429.81
4181906.98	0.28546 (17020109)			
653479.81	4181906.98	0.27423	(17011609)	653529.81
4181906.98	0.30767 (17011609)			
653579.81	4181906.98	0.32620	(17011609)	653629.81
4181906.98	0.32435 (17011609)			
653679.81	4181906.98	0.30000	(17011609)	653729.81
4181906.98	0.25571 (17011609)			
653779.81	4181906.98	0.24239	(17011209)	653829.81
4181906.98	0.23132 (17011209)			

653879.81	4181906.98	0.20087	(17011209)	653929.81
4181906.98	0.15727	(17011209)		
653979.81	4181906.98	0.16482	(17011708)	654029.81
4181906.98	0.20501	(17011708)		
654079.81	4181906.98	0.23603	(17011708)	654129.81
4181906.98	0.25108	(17011708)		
654179.81	4181906.98	0.24666	(17011708)	654229.81
4181906.98	0.22394	(17011708)		
654279.81	4181906.98	0.22490	(17011208)	654329.81
4181906.98	0.25005	(17011208)		
654379.81	4181906.98	0.26316	(17011208)	654429.81
4181906.98	0.26309	(17011208)		
654479.81	4181906.98	0.25064	(17011208)	654529.81
4181906.98	0.22838	(17011208)		
654579.81	4181906.98	0.21975	(17012408)	654629.81
4181906.98	0.20720	(17012408)		
654679.81	4181906.98	0.18735	(17012408)	654729.81
4181906.98	0.16617	(17011309)		
654779.81	4181906.98	0.17305	(17030208)	654829.81
4181906.98	0.18393	(17030208)		
654879.81	4181906.98	0.18952	(17030208)	654929.81
4181906.98	0.18985	(17030208)		
654979.81	4181906.98	0.18539	(17030208)	655029.81
4181906.98	0.17853	(17122708)		
655079.81	4181906.98	0.17012	(17122708)	655129.81
4181906.98	0.15897	(17122708)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
652679.81	4181956.98	0.17871	(17121108)	652729.81
4181956.98	0.18704	(17121108)		

652779.81	4181956.98	0.19207	(17121108)	652829.81
4181956.98	0.19319	(17121108)		
652879.81	4181956.98	0.18991	(17121108)	652929.81
4181956.98	0.18200	(17121108)		
652979.81	4181956.98	0.18666	(17022208)	653029.81
4181956.98	0.20289	(17121508)		
653079.81	4181956.98	0.21848	(17121508)	653129.81
4181956.98	0.22814	(17121508)		
653179.81	4181956.98	0.23014	(17121508)	653229.81
4181956.98	0.22325	(17121508)		
653279.81	4181956.98	0.24805	(17020109)	653329.81
4181956.98	0.27888	(17020109)		
653379.81	4181956.98	0.29915	(17020109)	653429.81
4181956.98	0.30359	(17020109)		
653479.81	4181956.98	0.28835	(17020109)	653529.81
4181956.98	0.31838	(17011609)		
653579.81	4181956.98	0.34197	(17011609)	653629.81
4181956.98	0.34417	(17011609)		
653679.81	4181956.98	0.32153	(17011609)	653729.81
4181956.98	0.27597	(17011609)		
653779.81	4181956.98	0.25575	(17011209)	653829.81
4181956.98	0.24343	(17011209)		
653879.81	4181956.98	0.20966	(17011209)	653929.81
4181956.98	0.16170	(17011209)		
653979.81	4181956.98	0.18854	(17011708)	654029.81
4181956.98	0.23004	(17011708)		
654079.81	4181956.98	0.25859	(17011708)	654129.81
4181956.98	0.26732	(17011708)		
654179.81	4181956.98	0.25406	(17011708)	654229.81
4181956.98	0.22479	(17011208)		
654279.81	4181956.98	0.25716	(17011208)	654329.81
4181956.98	0.27706	(17011208)		
654379.81	4181956.98	0.28219	(17011208)	654429.81
4181956.98	0.27262	(17011208)		
654479.81	4181956.98	0.25083	(17011208)	654529.81
4181956.98	0.23586	(17012408)		
654579.81	4181956.98	0.22371	(17012408)	654629.81
4181956.98	0.20279	(17012408)		
654679.81	4181956.98	0.17746	(17011309)	654729.81
4181956.98	0.18607	(17030208)		
654779.81	4181956.98	0.19752	(17030208)	654829.81
4181956.98	0.20290	(17030208)		
654879.81	4181956.98	0.20231	(17030208)	654929.81
4181956.98	0.19635	(17030208)		
654979.81	4181956.98	0.18862	(17122708)	655029.81
4181956.98	0.17838	(17122708)		
655079.81	4181956.98	0.16524	(17122708)	655129.81
4181956.98	0.15032	(17122708)		
652679.81	4182006.98	0.17682	(17121108)	652729.81
4182006.98	0.18875	(17121108)		

652779.81	4182006.98	0.19788	(17121108)	652829.81
4182006.98	0.20342	(17121108)		
652879.81	4182006.98	0.20465	(17121108)	652929.81
4182006.98	0.20101	(17121108)		
652979.81	4182006.98	0.19220	(17121108)	653029.81
4182006.98	0.20026	(17121508)		
653079.81	4182006.98	0.22025	(17121508)	653129.81
4182006.98	0.23519	(17121508)		
653179.81	4182006.98	0.24300	(17121508)	653229.81
4182006.98	0.24182	(17121508)		
653279.81	4182006.98	0.24533	(17020109)	653329.81
4182006.98	0.28128	(17020109)		
653379.81	4182006.98	0.30833	(17020109)	653429.81
4182006.98	0.32051	(17020109)		
653479.81	4182006.98	0.31247	(17020109)	653529.81
4182006.98	0.32907	(17011609)		
653579.81	4182006.98	0.35833	(17011609)	653629.81
4182006.98	0.36537	(17011609)		
653679.81	4182006.98	0.34519	(17011609)	653729.81
4182006.98	0.29866	(17011609)		
653779.81	4182006.98	0.27047	(17011209)	653829.81
4182006.98	0.25673	(17011209)		
653879.81	4182006.98	0.21920	(17011209)	653929.81
4182006.98	0.16626	(17011209)		
653979.81	4182006.98	0.21537	(17011708)	654029.81
4182006.98	0.25717	(17011708)		
654079.81	4182006.98	0.28147	(17011708)	654129.81
4182006.98	0.28181	(17011708)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

654179.81	4182006.98	0.25805	(17011708)	654229.81
4182006.98	0.26187 (17011208)			
654279.81	4182006.98	0.28994	(17011208)	654329.81
4182006.98	0.30179 (17011208)			
654379.81	4182006.98	0.29654	(17011208)	654429.81
4182006.98	0.27615 (17011208)			
654479.81	4182006.98	0.25360	(17012408)	654529.81
4182006.98	0.24226 (17012408)			
654579.81	4182006.98	0.22028	(17012408)	654629.81
4182006.98	0.19156 (17012408)			
654679.81	4182006.98	0.20075	(17030208)	654729.81
4182006.98	0.21281 (17030208)			
654779.81	4182006.98	0.21781	(17030208)	654829.81
4182006.98	0.21604 (17030208)			
654879.81	4182006.98	0.20831	(17030208)	654929.81
4182006.98	0.19948 (17122708)			
654979.81	4182006.98	0.18699	(17122708)	655029.81
4182006.98	0.17166 (17122708)			
655079.81	4182006.98	0.15461	(17122708)	655129.81
4182006.98	0.13886 (17022308)			
652679.81	4182056.98	0.17149	(17121108)	652729.81
4182056.98	0.18673 (17121108)			
652779.81	4182056.98	0.19981	(17121108)	652829.81
4182056.98	0.20987 (17121108)			
652879.81	4182056.98	0.21598	(17121108)	652929.81
4182056.98	0.21737 (17121108)			
652979.81	4182056.98	0.21334	(17121108)	653029.81
4182056.98	0.20351 (17121108)			
653079.81	4182056.98	0.21900	(17121508)	653129.81
4182056.98	0.23912 (17121508)			
653179.81	4182056.98	0.25303	(17121508)	653229.81
4182056.98	0.25835 (17121508)			
653279.81	4182056.98	0.25314	(17121508)	653329.81
4182056.98	0.28162 (17020109)			
653379.81	4182056.98	0.31534	(17020109)	653429.81
4182056.98	0.33575 (17020109)			
653479.81	4182056.98	0.33619	(17020109)	653529.81
4182056.98	0.33968 (17011609)			
653579.81	4182056.98	0.37525	(17011609)	653629.81
4182056.98	0.38803 (17011609)			
653679.81	4182056.98	0.37119	(17011609)	653729.81
4182056.98	0.32415 (17011609)			
653779.81	4182056.98	0.28672	(17011209)	653829.81
4182056.98	0.27145 (17011209)			
653879.81	4182056.98	0.22959	(17011209)	653929.81
4182056.98	0.19269 (17011708)			
653979.81	4182056.98	0.24554	(17011708)	654029.81
4182056.98	0.28619 (17011708)			
654079.81	4182056.98	0.30395	(17011708)	654129.81
4182056.98	0.29355 (17011708)			

654179.81	4182056.98	0.26333	(17011208)	654229.81
4182056.98	0.30103	(17011208)		
654279.81	4182056.98	0.32150	(17011208)	654329.81
4182056.98	0.32219	(17011208)		
654379.81	4182056.98	0.30431	(17011208)	654429.81
4182056.98	0.27317	(17012408)		
654479.81	4182056.98	0.26315	(17012408)	654529.81
4182056.98	0.24020	(17012408)		
654579.81	4182056.98	0.20887	(17012408)	654629.81
4182056.98	0.21742	(17030208)		
654679.81	4182056.98	0.23007	(17030208)	654729.81
4182056.98	0.23453	(17030208)		
654779.81	4182056.98	0.23125	(17030208)	654829.81
4182056.98	0.22180	(17122708)		
654879.81	4182056.98	0.21108	(17122708)	654929.81
4182056.98	0.19600	(17122708)		
654979.81	4182056.98	0.17809	(17122708)	655029.81
4182056.98	0.15866	(17122708)		
655079.81	4182056.98	0.15097	(17022308)	655129.81
4182056.98	0.15133	(17022308)		
652679.81	4182106.98	0.16292	(17121108)	652729.81
4182106.98	0.18090	(17121108)		
652779.81	4182106.98	0.19752	(17121108)	652829.81
4182106.98	0.21192	(17121108)		
652879.81	4182106.98	0.22304	(17121108)	652929.81
4182106.98	0.22992	(17121108)		
652979.81	4182106.98	0.23155	(17121108)	653029.81
4182106.98	0.22711	(17121108)		
653079.81	4182106.98	0.21723	(17022208)	653129.81
4182106.98	0.23966	(17121508)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

653179.81	4182106.98	0.25965	(17121508)	653229.81
4182106.98	0.27200 (17121508)			
653279.81	4182106.98	0.27406	(17121508)	653329.81
4182106.98	0.27994 (17020109)			
653379.81	4182106.98	0.32000	(17020109)	653429.81
4182106.98	0.34887 (17020109)			
653479.81	4182106.98	0.35889	(17020109)	653529.81
4182106.98	0.35015 (17011609)			
653579.81	4182106.98	0.39269	(17011609)	653629.81
4182106.98	0.41221 (17011609)			
653679.81	4182106.98	0.39979	(17011609)	653729.81
4182106.98	0.35291 (17011609)			
653779.81	4182106.98	0.30477	(17011209)	653829.81
4182106.98	0.28782 (17011209)			
653879.81	4182106.98	0.24097	(17011209)	653929.81
4182106.98	0.22378 (17011708)			
653979.81	4182106.98	0.27920	(17011708)	654029.81
4182106.98	0.31667 (17011708)			
654079.81	4182106.98	0.32506	(17011708)	654129.81
4182106.98	0.30135 (17011708)			
654179.81	4182106.98	0.30927	(17011208)	654229.81
4182106.98	0.34054 (17011208)			
654279.81	4182106.98	0.34944	(17011208)	654329.81
4182106.98	0.33584 (17011208)			
654379.81	4182106.98	0.30386	(17011208)	654429.81
4182106.98	0.28676 (17012408)			
654479.81	4182106.98	0.26304	(17012408)	654529.81
4182106.98	0.22878 (17012408)			
654579.81	4182106.98	0.23647	(17030208)	654629.81
4182106.98	0.24971 (17030208)			
654679.81	4182106.98	0.25335	(17030208)	654729.81
4182106.98	0.24810 (17030208)			
654779.81	4182106.98	0.23710	(17122708)	654829.81
4182106.98	0.22348 (17122708)			
654879.81	4182106.98	0.20533	(17122708)	654929.81
4182106.98	0.18447 (17122708)			
654979.81	4182106.98	0.16240	(17122708)	655029.81
4182106.98	0.16380 (17022308)			
655079.81	4182106.98	0.16231	(17022308)	655129.81
4182106.98	0.15805 (17022308)			
652679.81	4182156.98	0.17404	(17020108)	652729.81
4182156.98	0.17153 (17121108)			
652779.81	4182156.98	0.19110	(17121108)	652829.81
4182156.98	0.20936 (17121108)			
652879.81	4182156.98	0.22528	(17121108)	652929.81
4182156.98	0.23773 (17121108)			
652979.81	4182156.98	0.24551	(17121108)	653029.81
4182156.98	0.24747 (17121108)			

653079.81	4182156.98	0.24261	(17121108)	653129.81
4182156.98	0.23673	(17121508)		
653179.81	4182156.98	0.26249	(17121508)	653229.81
4182156.98	0.28204	(17121508)		
653279.81	4182156.98	0.29217	(17121508)	653329.81
4182156.98	0.28995	(17121508)		
653379.81	4182156.98	0.32230	(17020109)	653429.81
4182156.98	0.35955	(17020109)		
653479.81	4182156.98	0.37993	(17020109)	653529.81
4182156.98	0.37477	(17020109)		
653579.81	4182156.98	0.41058	(17011609)	653629.81
4182156.98	0.43794	(17011609)		
653679.81	4182156.98	0.43129	(17011609)	653729.81
4182156.98	0.38546	(17011609)		
653779.81	4182156.98	0.32492	(17011209)	653829.81
4182156.98	0.30613	(17011209)		
653879.81	4182156.98	0.25352	(17011209)	653929.81
4182156.98	0.25970	(17011708)		
653979.81	4182156.98	0.31641	(17011708)	654029.81
4182156.98	0.34790	(17011708)		
654079.81	4182156.98	0.34349	(17011708)	654129.81
4182156.98	0.31336	(17011208)		
654179.81	4182156.98	0.35777	(17011208)	654229.81
4182156.98	0.37778	(17011208)		
654279.81	4182156.98	0.37071	(17011208)	654329.81
4182156.98	0.34029	(17011208)		
654379.81	4182156.98	0.31356	(17012408)	654429.81
4182156.98	0.28937	(17012408)		
654479.81	4182156.98	0.25186	(17012408)	654529.81
4182156.98	0.25842	(17030208)		
654579.81	4182156.98	0.27222	(17030208)	654629.81
4182156.98	0.27471	(17030208)		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
4182156.98	654679.81	4182156.98	0.26692	(17030208)	654729.81
		0.25385 (17122708)			
4182156.98	654779.81	4182156.98	0.23669	(17122708)	654829.81
		0.21495 (17122708)			
4182156.98	654879.81	4182156.98	0.19063	(17122708)	654929.81
		0.17765 (17022308)			
4182156.98	654979.81	4182156.98	0.17724	(17022308)	655029.81
		0.17337 (17022308)			
4182156.98	655079.81	4182156.98	0.16666	(17022308)	655129.81
		0.15777 (17022308)			
4182206.98	652679.81	4182206.98	0.18776	(17020108)	652729.81
		0.18811 (17020108)			
4182206.98	652779.81	4182206.98	0.18533	(17020108)	652829.81
		0.20236 (17121108)			
4182206.98	652879.81	4182206.98	0.22248	(17121108)	652929.81
		0.24018 (17121108)			
4182206.98	652979.81	4182206.98	0.25417	(17121108)	653029.81
		0.26308 (17121108)			
4182206.98	653079.81	4182206.98	0.26550	(17121108)	653129.81
		0.26023 (17121108)			
4182206.98	653179.81	4182206.98	0.26140	(17121508)	653229.81
		0.28785 (17121508)			
4182206.98	653279.81	4182206.98	0.30648	(17121508)	653329.81
		0.31354 (17121508)			
4182206.98	653379.81	4182206.98	0.32232	(17020109)	653429.81
		0.36760 (17020109)			
4182206.98	653479.81	4182206.98	0.39873	(17020109)	653529.81
		0.40562 (17020109)			
4182206.98	653579.81	4182206.98	0.42887	(17011609)	653629.81
		0.46527 (17011609)			
4182206.98	653679.81	4182206.98	0.46596	(17011609)	653729.81
		0.42243 (17011609)			
4182206.98	653779.81	4182206.98	0.34755	(17011209)	653829.81
		0.32678 (17011209)			
4182206.98	653879.81	4182206.98	0.26748	(17011209)	653929.81
		0.30107 (17011708)			
4182206.98	653979.81	4182206.98	0.35702	(17011708)	654029.81
		0.37879 (17011708)			
4182206.98	654079.81	4182206.98	0.35759	(17011708)	654129.81
		0.37170 (17011208)			
4182206.98	654179.81	4182206.98	0.40619	(17011208)	654229.81
		0.40914 (17011208)			
4182206.98	654279.81	4182206.98	0.38202	(17011208)	654329.81
		0.34409 (17012408)			
4182206.98	654379.81	4182206.98	0.31995	(17012408)	654429.81
		0.27885 (17012408)			

654479.81	4182206.98	0.28392	(17030208)	654529.81
4182206.98	0.29816	(17030208)		
654579.81	4182206.98	0.29897	(17030208)	654629.81
4182206.98	0.28790	(17030208)		
654679.81	4182206.98	0.27220	(17122708)	654729.81
4182206.98	0.25075	(17122708)		
654779.81	4182206.98	0.22466	(17122708)	654829.81
4182206.98	0.19650	(17122708)		
654879.81	4182206.98	0.19413	(17022308)	654929.81
4182206.98	0.19102	(17022308)		
654979.81	4182206.98	0.18425	(17022308)	655029.81
4182206.98	0.17465	(17022308)		
655079.81	4182206.98	0.16305	(17022308)	655129.81
4182206.98	0.15017	(17022308)		
652679.81	4182256.98	0.19608	(17020108)	652729.81
4182256.98	0.20113	(17020108)		
652779.81	4182256.98	0.20325	(17020108)	652829.81
4182256.98	0.20206	(17020108)		
652879.81	4182256.98	0.21478	(17121108)	652929.81
4182256.98	0.23707	(17121108)		
652979.81	4182256.98	0.25685	(17121108)	653029.81
4182256.98	0.27269	(17121108)		
653079.81	4182256.98	0.28299	(17121108)	653129.81
4182256.98	0.28608	(17121108)		
653179.81	4182256.98	0.28040	(17121108)	653229.81
4182256.98	0.28915	(17121508)		
653279.81	4182256.98	0.31609	(17121508)	653329.81
4182256.98	0.33321	(17121508)		
653379.81	4182256.98	0.33619	(17121508)	653429.81
4182256.98	0.37296	(17020109)		
653479.81	4182256.98	0.41481	(17020109)	653529.81
4182256.98	0.43499	(17020109)		
653579.81	4182256.98	0.44755	(17011609)	653629.81
4182256.98	0.49422	(17011609)		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)
653679.81	4182256.98	0.50408	(17011609)	653729.81
4182256.98	0.46461 (17011609)			
653779.81	4182256.98	0.37676	(17011609)	653829.81
4182256.98	0.35032 (17011209)			
653879.81	4182256.98	0.28311	(17011209)	653929.81
4182256.98	0.34847 (17011708)			
653979.81	4182256.98	0.40053	(17011708)	654029.81
4182256.98	0.40774 (17011708)			
654079.81	4182256.98	0.38028	(17011208)	654129.81
4182256.98	0.43334 (17011208)			
654179.81	4182256.98	0.45048	(17011208)	654229.81
4182256.98	0.43010 (17011208)			
654279.81	4182256.98	0.38012	(17011208)	654329.81
4182256.98	0.35574 (17012408)			
654379.81	4182256.98	0.31071	(17012408)	654429.81
4182256.98	0.31383 (17030208)			
654479.81	4182256.98	0.32836	(17030208)	654529.81
4182256.98	0.32681 (17030208)			
654579.81	4182256.98	0.31143	(17030208)	654629.81
4182256.98	0.29233 (17122708)			
654679.81	4182256.98	0.26553	(17122708)	654729.81
4182256.98	0.23438 (17122708)			
654779.81	4182256.98	0.21341	(17022308)	654829.81
4182256.98	0.21148 (17022308)			
654879.81	4182256.98	0.20486	(17022308)	654929.81
4182256.98	0.19455 (17022308)			
654979.81	4182256.98	0.18163	(17022308)	655029.81
4182256.98	0.16700 (17022308)			
655079.81	4182256.98	0.15155	(17022308)	655129.81
4182256.98	0.13698 (17122508)			
652679.81	4182306.98	0.19821	(17020108)	652729.81
4182306.98	0.20788 (17020108)			
652779.81	4182306.98	0.21518	(17020108)	652829.81
4182306.98	0.21956 (17020108)			
652879.81	4182306.98	0.22045	(17020108)	652929.81
4182306.98	0.22858 (17121108)			
652979.81	4182306.98	0.25332	(17121108)	653029.81
4182306.98	0.27555 (17121108)			
653079.81	4182306.98	0.29363	(17121108)	653129.81
4182306.98	0.30568 (17121108)			
653179.81	4182306.98	0.30966	(17121108)	653229.81
4182306.98	0.30363 (17121108)			
653279.81	4182306.98	0.32040	(17121508)	653329.81
4182306.98	0.34787 (17121508)			

4182306.98	653379.81	4182306.98	0.36281	(17121508)	653429.81
		0.37572	(17020109)		
4182306.98	653479.81	4182306.98	0.42781	(17020109)	653529.81
		0.46199	(17020109)		
4182306.98	653579.81	4182306.98	0.46667	(17011609)	653629.81
		0.52482	(17011609)		
4182306.98	653679.81	4182306.98	0.54598	(17011609)	653729.81
		0.51289	(17011609)		
4182306.98	653779.81	4182306.98	0.42160	(17011609)	653829.81
		0.37734	(17011209)		
4182306.98	653879.81	4182306.98	0.32130	(17011708)	653929.81
		0.40236	(17011708)		
4182306.98	653979.81	4182306.98	0.44604	(17011708)	654029.81
		0.43256	(17011708)		
4182306.98	654079.81	4182306.98	0.45684	(17011208)	654129.81
		0.49408	(17011208)		
4182306.98	654179.81	4182306.98	0.48501	(17011208)	654229.81
		0.43600	(17011208)		
4182306.98	654279.81	4182306.98	0.39800	(17012408)	654329.81
		0.34875	(17012408)		
4182306.98	654379.81	4182306.98	0.34934	(17030208)	654429.81
		0.36385	(17030208)		
4182306.98	654479.81	4182306.98	0.35892	(17030208)	654529.81
		0.33944	(17122708)		
4182306.98	654579.81	4182306.98	0.31427	(17122708)	654629.81
		0.28099	(17122708)		
4182306.98	654679.81	4182306.98	0.24386	(17122708)	654729.81
		0.23536	(17022308)		
4182306.98	654779.81	4182306.98	0.22929	(17022308)	654829.81
		0.21833	(17022308)		
4182306.98	654879.81	4182306.98	0.20383	(17022308)	654929.81
		0.18709	(17022308)		
4182306.98	654979.81	4182306.98	0.16926	(17022308)	655029.81
		0.15308	(17122508)		
4182306.98	655079.81	4182306.98	0.15509	(17122508)	655129.81
		0.15564	(17122508)		

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	(YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)
4182356.98	652679.81	4182356.98	(17020108)	0.20463	(17120608)	652729.81
4182356.98	652779.81	4182356.98	(17020108)	0.21996	(17020108)	652829.81
4182356.98	652879.81	4182356.98	(17020108)	0.23703	(17020108)	652929.81
4182356.98	652979.81	4182356.98	(17121108)	0.24389	(17121108)	653029.81
4182356.98	653079.81	4182356.98	(17121108)	0.29658	(17121108)	653129.81
4182356.98	653179.81	4182356.98	(17121108)	0.33167	(17121108)	653229.81
4182356.98	653279.81	4182356.98	(17121108)	0.33072	(17121108)	653329.81
4182356.98	653379.81	4182356.98	(17121508)	0.35601	(17121508)	653429.81
4182356.98	653379.81	4182356.98	(17121508)	0.38322	(17121508)	653429.81
4182356.98	653479.81	4182356.98	(17020109)	0.43767	(17020109)	653529.81
4182356.98	653579.81	4182356.98	(17020109)	0.48597	(17020109)	653529.81
4182356.98	653579.81	4182356.98	(17011609)	0.50605	(17020109)	653629.81
4182356.98	653679.81	4182356.98	(17011609)	0.55721	(17011609)	653729.81
4182356.98	653679.81	4182356.98	(17011609)	0.59201	(17011609)	653729.81
4182356.98	653779.81	4182356.98	(17011609)	0.56831	(17011609)	653829.81
4182356.98	653779.81	4182356.98	(17011209)	0.47520	(17011609)	653829.81
4182356.98	653879.81	4182356.98	(17011708)	0.40880	(17011209)	653929.81
4182356.98	653879.81	4182356.98	(17011708)	0.38097	(17011708)	653929.81
4182356.98	653979.81	4182356.98	(17011708)	0.46300	(17011708)	654029.81
4182356.98	653979.81	4182356.98	(17011208)	0.49194	(17011708)	654029.81
4182356.98	654079.81	4182356.98	(17011208)	0.47335	(17011208)	654129.81
4182356.98	654079.81	4182356.98	(17011208)	0.53794	(17011208)	654129.81
4182356.98	654179.81	4182356.98	(17011208)	0.54734	(17011208)	654229.81
4182356.98	654179.81	4182356.98	(17012408)	0.50316	(17011208)	654229.81
4182356.98	654279.81	4182356.98	(17030208)	0.44843	(17012408)	654329.81
4182356.98	654279.81	4182356.98	(17030208)	0.39475	(17030208)	654329.81
4182356.98	654379.81	4182356.98	(17030208)	0.39207	(17030208)	654429.81
4182356.98	654379.81	4182356.98	(17030208)	0.40598	(17030208)	654429.81
4182356.98	654479.81	4182356.98	(17122708)	0.39620	(17030208)	654529.81
4182356.98	654479.81	4182356.98	(17122708)	0.37134	(17122708)	654529.81
4182356.98	654579.81	4182356.98	(17022308)	0.33816	(17122708)	654629.81
4182356.98	654579.81	4182356.98	(17022308)	0.29688	(17022308)	654629.81
4182356.98	654679.81	4182356.98	(17022308)	0.26340	(17022308)	654729.81
4182356.98	654679.81	4182356.98	(17022308)	0.25851	(17022308)	654729.81
4182356.98	654779.81	4182356.98	(17022308)	0.24704	(17022308)	654829.81

654779.81	4182356.98	0.23079	(17022308)	654829.81
4182356.98	0.21146	(17022308)		
654879.81	4182356.98	0.19057	(17022308)	654929.81
4182356.98	0.17248	(17122508)		
654979.81	4182356.98	0.17420	(17122508)	655029.81
4182356.98	0.17415	(17122508)		
655079.81	4182356.98	0.17254	(17122508)	655129.81
4182356.98	0.16964	(17122508)		
652679.81	4182406.98	0.22117	(17120608)	652729.81
4182406.98	0.22521	(17120608)		
652779.81	4182406.98	0.22737	(17120608)	652829.81
4182406.98	0.23219	(17020108)		
652879.81	4182406.98	0.24483	(17020108)	652929.81
4182406.98	0.25512	(17020108)		
652979.81	4182406.98	0.26191	(17020108)	653029.81
4182406.98	0.26415	(17020108)		
653079.81	4182406.98	0.29188	(17121108)	653129.81
4182406.98	0.32046	(17121108)		
653179.81	4182406.98	0.34467	(17121108)	653229.81
4182406.98	0.36193	(17121108)		
653279.81	4182406.98	0.36917	(17121108)	653329.81
4182406.98	0.36311	(17121108)		
653379.81	4182406.98	0.39744	(17121508)	653429.81
4182406.98	0.42447	(17121508)		
653479.81	4182406.98	0.44492	(17020109)	653529.81
4182406.98	0.50666	(17020109)		
653579.81	4182406.98	0.54546	(17020109)	653629.81
4182406.98	0.59159	(17011609)		
653679.81	4182406.98	0.64256	(17011609)	653729.81
4182406.98	0.63209	(17011609)		
653779.81	4182406.98	0.53995	(17011609)	653829.81
4182406.98	0.44593	(17011209)		
653879.81	4182406.98	0.45187	(17011708)	653929.81
4182406.98	0.53030	(17011708)		
653979.81	4182406.98	0.53561	(17011708)	654029.81
4182406.98	0.57840	(17011208)		
654079.81	4182406.98	0.61639	(17011208)	654129.81
4182406.98	0.58389	(17011208)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

		** CONC OF PM ₁₀ IN MICROGRAMS/M**3		
**				
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654179.81	4182406.98	0.50922	(17012408)	654229.81
4182406.98	0.45120	(17012408)		
654279.81	4182406.98	0.44421	(17030208)	654329.81
4182406.98	0.45666	(17030208)		
654379.81	4182406.98	0.43988	(17030208)	654429.81
4182406.98	0.40754	(17122708)		
654479.81	4182406.98	0.36396	(17122708)	654529.81
4182406.98	0.31285	(17122708)		
654579.81	4182406.98	0.29383	(17022308)	654629.81
4182406.98	0.28220	(17022308)		
654679.81	4182406.98	0.26397	(17022308)	654729.81
4182406.98	0.24144	(17022308)		
654779.81	4182406.98	0.21666	(17022308)	654829.81
4182406.98	0.19621	(17122508)		
654879.81	4182406.98	0.19739	(17122508)	654929.81
4182406.98	0.19640	(17122508)		
654979.81	4182406.98	0.19355	(17122508)	655029.81
4182406.98	0.18919	(17122508)		
655079.81	4182406.98	0.18360	(17122508)	655129.81
4182406.98	0.17702	(17122508)		
652679.81	4182456.98	0.23183	(17120608)	652729.81
4182456.98	0.24022	(17120608)		
652779.81	4182456.98	0.24708	(17120608)	652829.81
4182456.98	0.25207	(17120608)		
652879.81	4182456.98	0.25475	(17120608)	652929.81
4182456.98	0.26047	(17020108)		
652979.81	4182456.98	0.27467	(17020108)	653029.81
4182456.98	0.28548	(17020108)		
653079.81	4182456.98	0.29144	(17020108)	653129.81
4182456.98	0.31514	(17121108)		
653179.81	4182456.98	0.34798	(17121108)	653229.81
4182456.98	0.37658	(17121108)		
653279.81	4182456.98	0.39787	(17121108)	653329.81
4182456.98	0.40795	(17121108)		
653379.81	4182456.98	0.40468	(17121508)	653429.81
4182456.98	0.44651	(17121508)		
653479.81	4182456.98	0.47287	(17121508)	653529.81
4182456.98	0.52416	(17020109)		
653579.81	4182456.98	0.58200	(17020109)	653629.81
4182456.98	0.62851	(17011609)		

653679.81	4182456.98	0.69829	(17011609)	653729.81
4182456.98	0.70567 (17011609)			
653779.81	4182456.98	0.61905	(17011609)	653829.81
4182456.98	0.49048 (17011209)			
653879.81	4182456.98	0.53592	(17011708)	653929.81
4182456.98	0.60363 (17011708)			
653979.81	4182456.98	0.60985	(17011208)	654029.81
4182456.98	0.69036 (17011208)			
654079.81	4182456.98	0.68106	(17011208)	654129.81
4182456.98	0.59296 (17011208)			
654179.81	4182456.98	0.52176	(17012408)	654229.81
4182456.98	0.50909 (17030208)			
654279.81	4182456.98	0.51850	(17030208)	654329.81
4182456.98	0.49149 (17030208)			
654379.81	4182456.98	0.44858	(17122708)	654429.81
4182456.98	0.39155 (17122708)			
654479.81	4182456.98	0.33702	(17022308)	654529.81
4182456.98	0.32598 (17022308)			
654579.81	4182456.98	0.30554	(17022308)	654629.81
4182456.98	0.27896 (17022308)			
654679.81	4182456.98	0.24919	(17022308)	654729.81
4182456.98	0.22574 (17122508)			
654779.81	4182456.98	0.22601	(17122508)	654829.81
4182456.98	0.22352 (17122508)			
654879.81	4182456.98	0.21884	(17122508)	654929.81
4182456.98	0.21239 (17122508)			
654979.81	4182456.98	0.20457	(17122508)	655029.81
4182456.98	0.19573 (17122508)			
655079.81	4182456.98	0.18624	(17122508)	655129.81
4182456.98	0.17637 (17122508)			
652679.81	4182506.98	0.24710	(17021308)	652729.81
4182506.98	0.24873 (17021308)			
652779.81	4182506.98	0.25967	(17120608)	652829.81
4182506.98	0.26998 (17120608)			
652879.81	4182506.98	0.27847	(17120608)	652929.81
4182506.98	0.28497 (17120608)			
652979.81	4182506.98	0.28885	(17120608)	653029.81
4182506.98	0.29544 (17020108)			
653079.81	4182506.98	0.31077	(17020108)	653129.81
4182506.98	0.32184 (17020108)			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**				
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

653179.81	4182506.98	0.34200	(17121108)	653229.81
4182506.98	0.38016	(17121108)		
653279.81	4182506.98	0.41443	(17121108)	653329.81
4182506.98	0.44109	(17121108)		
653379.81	4182506.98	0.45516	(17121108)	653429.81
4182506.98	0.46008	(17121508)		
653479.81	4182506.98	0.50488	(17121508)	653529.81
4182506.98	0.53837	(17020109)		
653579.81	4182506.98	0.61553	(17020109)	653629.81
4182506.98	0.66886	(17011609)		
653679.81	4182506.98	0.76026	(17011609)	653729.81
4182506.98	0.79087	(17011609)		
653779.81	4182506.98	0.71684	(17011609)	653829.81
4182506.98	0.54503	(17011209)		
653879.81	4182506.98	0.63530	(17011708)	653929.81
4182506.98	0.68138	(17011708)		
653979.81	4182506.98	0.76372	(17011208)	654029.81
4182506.98	0.79680	(17011208)		
654079.81	4182506.98	0.71548	(17011208)	654129.81
4182506.98	0.61191	(17012408)		
654179.81	4182506.98	0.59171	(17030208)	654229.81
4182506.98	0.59518	(17030208)		
654279.81	4182506.98	0.55373	(17122708)	654329.81
4182506.98	0.49514	(17122708)		
654379.81	4182506.98	0.42050	(17122708)	654429.81
4182506.98	0.38155	(17022308)		
654479.81	4182506.98	0.35876	(17022308)	654529.81
4182506.98	0.32700	(17022308)		
654579.81	4182506.98	0.29056	(17022308)	654629.81
4182506.98	0.26331	(17122508)		
654679.81	4182506.98	0.26194	(17122508)	654729.81
4182506.98	0.25712	(17122508)		
654779.81	4182506.98	0.24963	(17122508)	654829.81
4182506.98	0.24018	(17122508)		
654879.81	4182506.98	0.22927	(17122508)	654929.81
4182506.98	0.21744	(17122508)		
654979.81	4182506.98	0.20503	(17122508)	655029.81
4182506.98	0.19245	(17122508)		

655079.81	4182506.98	0.17997	(17122508)	655129.81
4182506.98	0.16774	(17122508)		
652679.81	4182556.98	0.26746	(17021308)	652729.81
4182556.98	0.27466	(17021308)		
652779.81	4182556.98	0.28038	(17021308)	652829.81
4182556.98	0.28435	(17021308)		
652879.81	4182556.98	0.29361	(17120608)	652929.81
4182556.98	0.30660	(17120608)		
652979.81	4182556.98	0.31770	(17120608)	653029.81
4182556.98	0.32636	(17120608)		
653079.81	4182556.98	0.33195	(17120608)	653129.81
4182556.98	0.33805	(17020108)		
653179.81	4182556.98	0.35552	(17020108)	653229.81
4182556.98	0.37343	(17121108)		
653279.81	4182556.98	0.41828	(17121108)	653329.81
4182556.98	0.45987	(17121108)		
653379.81	4182556.98	0.49388	(17121108)	653429.81
4182556.98	0.51425	(17121108)		
653479.81	4182556.98	0.52854	(17121508)	653529.81
4182556.98	0.57788	(17121508)		
653579.81	4182556.98	0.64687	(17020109)	653629.81
4182556.98	0.72153	(17020109)		
653679.81	4182556.98	0.83057	(17011609)	653729.81
4182556.98	0.89040	(17011609)		
653779.81	4182556.98	0.83925	(17011609)	653829.81
4182556.98	0.62788	(17011609)		
653879.81	4182556.98	0.75260	(17011708)	653929.81
4182556.98	0.82576	(17011208)		
653979.81	4182556.98	0.93112	(17011208)	654029.81
4182556.98	0.87578	(17011208)		
654079.81	4182556.98	0.73025	(17012408)	654129.81
4182556.98	0.69998	(17030208)		
654179.81	4182556.98	0.69229	(17030208)	654229.81
4182556.98	0.63124	(17122708)		
654279.81	4182556.98	0.54751	(17122708)	654329.81
4182556.98	0.45376	(17022308)		
654379.81	4182556.98	0.42875	(17022308)	654429.81
4182556.98	0.39017	(17022308)		
654479.81	4182556.98	0.34447	(17022308)	654529.81
4182556.98	0.31237	(17122508)		
654579.81	4182556.98	0.30806	(17122508)	654629.81
4182556.98	0.29944	(17122508)		

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 *** ***
 *** 11:24:15

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**					
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	
Y-COORD (M)	CONC	(YYMMDDHH)			
654679.81	4182556.98	0.28772	(17122508)	654729.81	
4182556.98	0.27386	(17122508)			
654779.81	4182556.98	0.25861	(17122508)	654829.81	
4182556.98	0.24264	(17122508)			
654879.81	4182556.98	0.22642	(17122508)	654929.81	
4182556.98	0.21033	(17122508)			
654979.81	4182556.98	0.19468	(17122508)	655029.81	
4182556.98	0.17968	(17122508)			
655079.81	4182556.98	0.16541	(17122508)	655129.81	
4182556.98	0.15193	(17122508)			
652679.81	4182606.98	0.27618	(17021308)	652729.81	
4182606.98	0.28886	(17021308)			
652779.81	4182606.98	0.30063	(17021308)	652829.81	
4182606.98	0.31129	(17021308)			
652879.81	4182606.98	0.32055	(17021308)	652929.81	
4182606.98	0.32799	(17021308)			
652979.81	4182606.98	0.33571	(17120608)	653029.81	
4182606.98	0.35261	(17120608)			
653079.81	4182606.98	0.36751	(17120608)	653129.81	
4182606.98	0.37976	(17120608)			
653179.81	4182606.98	0.38845	(17120608)	653229.81	
4182606.98	0.39263	(17020108)			
653279.81	4182606.98	0.41358	(17020108)	653329.81	
4182606.98	0.46419	(17121108)			
653379.81	4182606.98	0.51570	(17121108)	653429.81	
4182606.98	0.56046	(17121108)			
653479.81	4182606.98	0.59063	(17121108)	653529.81	
4182606.98	0.61655	(17121508)			
653579.81	4182606.98	0.67785	(17020109)	653629.81	
4182606.98	0.78064	(17020109)			
653679.81	4182606.98	0.91304	(17011609)	653729.81	
4182606.98	1.00905	(17011609)			
653779.81	4182606.98	0.99460	(17011609)	653829.81	
4182606.98	0.78074	(17011609)			
653879.81	4182606.98	0.89149	(17011708)	653929.81	
4182606.98	1.07650	(17011208)			

653979.81	4182606.98	1.08852	(17011208)	654029.81
4182606.98	0.89452	(17011208)		
654079.81	4182606.98	0.84739	(17030208)	654129.81
4182606.98	0.81806	(17030208)		
654179.81	4182606.98	0.72527	(17122708)	654229.81
4182606.98	0.60574	(17122708)		
654279.81	4182606.98	0.52394	(17022308)	654329.81
4182606.98	0.47597	(17022308)		
654379.81	4182606.98	0.41705	(17022308)	654429.81
4182606.98	0.37856	(17122508)		
654479.81	4182606.98	0.36878	(17122508)	654529.81
4182606.98	0.35393	(17122508)		
654579.81	4182606.98	0.33559	(17122508)	654629.81
4182606.98	0.31520	(17122508)		
654679.81	4182606.98	0.29373	(17122508)	654729.81
4182606.98	0.27198	(17122508)		
654779.81	4182606.98	0.25057	(17122508)	654829.81
4182606.98	0.22996	(17122508)		
654879.81	4182606.98	0.21040	(17122508)	654929.81
4182606.98	0.19195	(17122508)		
654979.81	4182606.98	0.17478	(17122508)	655029.81
4182606.98	0.16234	(17030108)		
655079.81	4182606.98	0.15451	(17030108)	655129.81
4182606.98	0.14681	(17030108)		
652679.81	4182656.98	0.27215	(17021308)	652729.81
4182656.98	0.28948	(17021308)		
652779.81	4182656.98	0.30671	(17021308)	652829.81
4182656.98	0.32351	(17021308)		
652879.81	4182656.98	0.33982	(17021308)	652929.81
4182656.98	0.35522	(17021308)		
652979.81	4182656.98	0.36949	(17021308)	653029.81
4182656.98	0.38229	(17021308)		
653079.81	4182656.98	0.39303	(17021308)	653129.81
4182656.98	0.41200	(17120608)		
653179.81	4182656.98	0.43303	(17120608)	653229.81
4182656.98	0.45145	(17120608)		
653279.81	4182656.98	0.46605	(17120608)	653329.81
4182656.98	0.47519	(17120608)		
653379.81	4182656.98	0.52130	(17121108)	653429.81
4182656.98	0.58669	(17121108)		
653479.81	4182656.98	0.64716	(17121108)	653529.81
4182656.98	0.69286	(17121108)		
653579.81	4182656.98	0.73451	(17121508)	653629.81
4182656.98	0.84381	(17020109)		

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 *** ***

*** 11:24:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653679.81	4182656.98	1.01447	(17011609)	653729.81
4182656.98	1.15718	(17011609)		
653779.81	4182656.98	1.19698	(17011609)	653829.81
4182656.98	1.00888	(17011609)		
653879.81	4182656.98	1.21213	(17011208)	653929.81
4182656.98	1.37097	(17011208)		
653979.81	4182656.98	1.18511	(17011208)	654029.81
4182656.98	1.05921	(17030208)		
654079.81	4182656.98	0.98561	(17030208)	654129.81
4182656.98	0.83969	(17122708)		
654179.81	4182656.98	0.66886	(17122708)	654229.81
4182656.98	0.59768	(17022308)		
654279.81	4182656.98	0.51857	(17022308)	654329.81
4182656.98	0.47082	(17122508)		
654379.81	4182656.98	0.45111	(17122508)	654429.81
4182656.98	0.42560	(17122508)		
654479.81	4182656.98	0.39666	(17122508)	654529.81
4182656.98	0.36628	(17122508)		
654579.81	4182656.98	0.33572	(17122508)	654629.81
4182656.98	0.30595	(17122508)		
654679.81	4182656.98	0.27764	(17122508)	654729.81
4182656.98	0.25114	(17122508)		
654779.81	4182656.98	0.22660	(17122508)	654829.81
4182656.98	0.20405	(17122508)		
654879.81	4182656.98	0.19004	(17030108)	654929.81
4182656.98	0.17918	(17030108)		
654979.81	4182656.98	0.16873	(17030108)	655029.81
4182656.98	0.15875	(17030108)		
655079.81	4182656.98	0.14928	(17030108)	655129.81
4182656.98	0.14028	(17030108)		
652679.81	4182706.98	0.25564	(17021308)	652729.81
4182706.98	0.27649	(17021308)		
652779.81	4182706.98	0.29794	(17021308)	652829.81
4182706.98	0.31973	(17021308)		

652879.81	4182706.98	0.34187	(17021308)	652929.81
4182706.98	0.36411	(17021308)		
652979.81	4182706.98	0.38634	(17021308)	653029.81
4182706.98	0.40844	(17021308)		
653079.81	4182706.98	0.43012	(17021308)	653129.81
4182706.98	0.45112	(17021308)		
653179.81	4182706.98	0.47086	(17021308)	653229.81
4182706.98	0.49170	(17120608)		
653279.81	4182706.98	0.52341	(17120608)	653329.81
4182706.98	0.55329	(17120608)		
653379.81	4182706.98	0.57962	(17120608)	653429.81
4182706.98	0.59992	(17120608)		
653479.81	4182706.98	0.68015	(17121108)	653529.81
4182706.98	0.76510	(17121108)		
653579.81	4182706.98	0.83778	(17121108)	653629.81
4182706.98	0.91643	(17020109)		
653679.81	4182706.98	1.14709	(17011609)	653729.81
4182706.98	1.35755	(17011609)		
653779.81	4182706.98	1.47975	(17011609)	653829.81
4182706.98	1.37396	(17011609)		
653879.81	4182706.98	1.72090	(17011208)	653929.81
4182706.98	1.66848	(17011208)		
653979.81	4182706.98	1.39119	(17030208)	654029.81
4182706.98	1.21550	(17030208)		
654079.81	4182706.98	0.97813	(17122708)	654129.81
4182706.98	0.78040	(17022308)		
654179.81	4182706.98	0.66785	(17022308)	654229.81
4182706.98	0.60671	(17122508)		
654279.81	4182706.98	0.56724	(17122508)	654329.81
4182706.98	0.52243	(17122508)		
654379.81	4182706.98	0.47588	(17122508)	654429.81
4182706.98	0.42994	(17122508)		
654479.81	4182706.98	0.38596	(17122508)	654529.81
4182706.98	0.34497	(17122508)		
654579.81	4182706.98	0.30735	(17122508)	654629.81
4182706.98	0.27322	(17122508)		
654679.81	4182706.98	0.24257	(17122508)	654729.81
4182706.98	0.22606	(17030108)		
654779.81	4182706.98	0.21059	(17030108)	654829.81
4182706.98	0.19607	(17030108)		
654879.81	4182706.98	0.18246	(17030108)	654929.81
4182706.98	0.16979	(17030108)		
654979.81	4182706.98	0.15802	(17030108)	655029.81
4182706.98	0.14737	(17112308)		
655079.81	4182706.98	0.13757	(17112308)	655129.81
4182706.98	0.12850	(17112308)		

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 *** ***

*** 11:24:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
652679.81	4182756.98	0.25109	(17120708)	652729.81
4182756.98	0.25904	(17120708)		
652779.81	4182756.98	0.27539	(17021308)	652829.81
4182756.98	0.30072	(17021308)		
652879.81	4182756.98	0.32713	(17021308)	652929.81
4182756.98	0.35450	(17021308)		
652979.81	4182756.98	0.38287	(17021308)	653029.81
4182756.98	0.41223	(17021308)		
653079.81	4182756.98	0.44257	(17021308)	653129.81
4182756.98	0.47423	(17021308)		
653179.81	4182756.98	0.50706	(17021308)	653229.81
4182756.98	0.54106	(17021308)		
653279.81	4182756.98	0.57627	(17021308)	653329.81
4182756.98	0.61163	(17021308)		
653379.81	4182756.98	0.65646	(17120608)	653429.81
4182756.98	0.70911	(17120608)		
653479.81	4182756.98	0.76157	(17120608)	653529.81
4182756.98	0.81179	(17121108)		
653579.81	4182756.98	0.93981	(17121108)	653629.81
4182756.98	1.06689	(17121108)		
653679.81	4182756.98	1.33642	(17011609)	653729.81
4182756.98	1.66837	(17011609)		
653779.81	4182756.98	1.95811	(17011609)	653829.81
4182756.98	2.18775	(17011208)		
653879.81	4182756.98	2.59798	(17011208)	653929.81
4182756.98	2.00563	(17030208)		
653979.81	4182756.98	1.54016	(17122708)	654029.81
4182756.98	1.14398	(17122708)		
654079.81	4182756.98	0.90176	(17022308)	654129.81
4182756.98	0.81859	(17122508)		
654179.81	4182756.98	0.73743	(17122508)	654229.81
4182756.98	0.65696	(17122508)		

654279.81	4182756.98	0.58025	(17122508)	654329.81
4182756.98	0.50948	(17122508)		
654379.81	4182756.98	0.44551	(17122508)	654429.81
4182756.98	0.38865	(17122508)		
654479.81	4182756.98	0.33864	(17122508)	654529.81
4182756.98	0.29867	(17030108)		
654579.81	4182756.98	0.27392	(17030108)	654629.81
4182756.98	0.25122	(17030108)		
654679.81	4182756.98	0.23049	(17030108)	654729.81
4182756.98	0.21183	(17112308)		
654779.81	4182756.98	0.19504	(17112308)	654829.81
4182756.98	0.17977	(17112308)		
654879.81	4182756.98	0.16590	(17112308)	654929.81
4182756.98	0.15329	(17112308)		
654979.81	4182756.98	0.14182	(17112308)	655029.81
4182756.98	0.13134	(17112308)		
655079.81	4182756.98	0.12180	(17112308)	655129.81
4182756.98	0.11306	(17112308)		
652679.81	4182806.98	0.27223	(17120708)	652729.81
4182806.98	0.28426	(17120708)		
652779.81	4182806.98	0.29676	(17120708)	652829.81
4182806.98	0.30987	(17120708)		
652879.81	4182806.98	0.32347	(17120708)	652929.81
4182806.98	0.33778	(17120708)		
652979.81	4182806.98	0.36113	(17021308)	653029.81
4182806.98	0.39552	(17021308)		
653079.81	4182806.98	0.43191	(17021308)	653129.81
4182806.98	0.47088	(17021308)		
653179.81	4182806.98	0.51304	(17021308)	653229.81
4182806.98	0.55918	(17021308)		
653279.81	4182806.98	0.60983	(17021308)	653329.81
4182806.98	0.66542	(17021308)		
653379.81	4182806.98	0.72686	(17021308)	653429.81
4182806.98	0.79505	(17021308)		
653479.81	4182806.98	0.87311	(17120608)	653529.81
4182806.98	0.98147	(17120608)		
653579.81	4182806.98	1.10960	(17120608)	653629.81
4182806.98	1.26644	(17120608)		
653679.81	4182806.98	1.64412	(17011609)	653729.81
4182806.98	2.29087	(17011609)		
653929.81	4182806.98	2.01145	(17122708)	653979.81
4182806.98	1.38432	(17122508)		
654029.81	4182806.98	1.17159	(17122508)	654079.81
4182806.98	0.99906	(17122508)		
654129.81	4182806.98	0.84936	(17122508)	654179.81
4182806.98	0.71965	(17122508)		
654229.81	4182806.98	0.60861	(17122508)	654279.81
4182806.98	0.51457	(17122508)		

▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL
 *** INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654329.81	4182806.98	0.43551	(17122508)	654379.81
4182806.98	0.37919	(17112308)		
654429.81	4182806.98	0.34011	(17112308)	654479.81
4182806.98	0.30587	(17112308)		
654529.81	4182806.98	0.27582	(17112308)	654579.81
4182806.98	0.24936	(17112308)		
654629.81	4182806.98	0.22601	(17112308)	654679.81
4182806.98	0.20534	(17112308)		
654729.81	4182806.98	0.18700	(17112308)	654779.81
4182806.98	0.17068	(17112308)		
654829.81	4182806.98	0.15610	(17112308)	654879.81
4182806.98	0.14306	(17112308)		
654929.81	4182806.98	0.13402	(17112208)	654979.81
4182806.98	0.12835	(17112208)		
655029.81	4182806.98	0.12307	(17112208)	655079.81
4182806.98	0.11815	(17112208)		
655129.81	4182806.98	0.11358	(17112208)	652679.81
4182856.98	0.27830	(17013008)		
652729.81	4182856.98	0.29255	(17120708)	652779.81
4182856.98	0.30866	(17120708)		
652829.81	4182856.98	0.32577	(17120708)	652879.81
4182856.98	0.34396	(17120708)		
652929.81	4182856.98	0.36332	(17120708)	652979.81
4182856.98	0.38436	(17120708)		
653029.81	4182856.98	0.40702	(17120708)	653079.81
4182856.98	0.43189	(17120708)		
653129.81	4182856.98	0.45942	(17120708)	653179.81
4182856.98	0.49447	(17021308)		
653229.81	4182856.98	0.54770	(17021308)	653279.81
4182856.98	0.60776	(17021308)		

4182856.98	653329.81	4182856.98	0.67662	(17021308)	653379.81
4182856.98	653429.81	4182856.98	0.75684	(17021308)	653479.81
4182856.98	653529.81	4182856.98	0.85203	(17021308)	653579.81
4182856.98	653629.81	4182856.98	0.96795	(17021308)	653679.81
4182856.98	653929.81	4182856.98	1.11435	(17021308)	653979.81
4182856.98	654029.81	4182856.98	1.31946	(17120608)	654079.81
4182856.98	654129.81	4182856.98	1.65942	(17120608)	654179.81
4182856.98	654229.81	4182856.98	2.33092	(17120608)	654279.81
4182856.98	654329.81	4182856.98	1.88002	(17122508)	654379.81
4182856.98	654429.81	4182856.98	1.45227	(17122508)	654479.81
4182856.98	654529.81	4182856.98	1.14864	(17122508)	654579.81
4182856.98	654629.81	4182856.98	0.91481	(17122508)	654679.81
4182856.98	654729.81	4182856.98	0.73342	(17122508)	654779.81
4182856.98	654829.81	4182856.98	0.59228	(17122508)	654879.81
4182856.98	654929.81	4182856.98	0.73342	(17122508)	654979.81
4182856.98	655029.81	4182856.98	0.50094	(17112308)	655079.81
4182856.98	655129.81	4182856.98	0.43490	(17112308)	655179.81
4182856.98	655229.81	4182856.98	0.38013	(17112308)	655279.81
4182856.98	655329.81	4182856.98	0.33425	(17112308)	655379.81
4182856.98	655429.81	4182856.98	0.29551	(17112308)	655479.81
4182856.98	655529.81	4182856.98	0.26640	(17112908)	655579.81
4182856.98	655629.81	4182856.98	0.24696	(17112908)	655679.81
4182856.98	655729.81	4182856.98	0.22998	(17112908)	655779.81
4182856.98	655829.81	4182856.98	0.21508	(17112208)	655879.81
4182856.98	655929.81	4182856.98	0.20204	(17112208)	655979.81
4182856.98	656029.81	4182856.98	0.19029	(17112208)	656079.81
4182856.98	656129.81	4182856.98	0.17971	(17112208)	656179.81
4182856.98	656229.81	4182856.98	0.17015	(17112208)	656279.81
4182856.98	656329.81	4182856.98	0.16144	(17112208)	656379.81
4182856.98	656429.81	4182856.98	0.15349	(17112208)	656479.81
4182856.98	656529.81	4182856.98	0.14620	(17112208)	656579.81
4182856.98	656629.81	4182856.98	0.13948	(17112208)	656679.81
4182856.98	656729.81	4182856.98	0.13330	(17112208)	656779.81
4182856.98	656829.81	4182856.98	0.12760	(17112208)	656879.81
4182856.98	656929.81	4182856.98	0.30037	(17013008)	656979.81
4182856.98	657029.81	4182856.98	0.31589	(17013008)	657079.81
4182856.98	657129.81	4182856.98	0.33272	(17013008)	657179.81
4182856.98	657229.81	4182856.98	0.35092	(17013008)	657279.81
4182856.98	657329.81	4182856.98	0.37069	(17013008)	657379.81
4182856.98	657429.81	4182856.98	0.39223	(17013008)	657479.81
4182856.98	657529.81	4182856.98	0.41598	(17013008)	657579.81
4182856.98	657629.81	4182856.98	0.44238	(17013008)	657679.81
4182856.98	657729.81	4182856.98	0.47191	(17013008)	657779.81
4182856.98	657829.81	4182856.98	0.50535	(17013008)	657879.81
4182856.98	657929.81	4182856.98	0.54355	(17013008)	657979.81
4182856.98	658029.81	4182856.98	0.58783	(17013008)	658079.81
4182856.98	658129.81	4182856.98	0.63989	(17013008)	658179.81
4182856.98	658229.81	4182856.98	0.70209	(17013008)	658279.81
4182856.98	658329.81	4182856.98	0.77800	(17013008)	658379.81
4182856.98	658429.81	4182856.98	0.87320	(17013008)	658479.81
4182856.98	658529.81	4182856.98	1.01011	(17021308)	658579.81

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653529.81	4182906.98	1.20863	(17021308)	653579.81
4182906.98	1.50533	(17021308)		
653629.81	4182906.98	2.13975	(17120608)	653929.81
4182906.98	1.81439	(17122508)		
653979.81	4182906.98	1.25019	(17122508)	654029.81
4182906.98	0.94555	(17112908)		
654079.81	4182906.98	0.78925	(17112908)	654129.81
4182906.98	0.67405	(17112908)		
654179.81	4182906.98	0.58568	(17112908)	654229.81
4182906.98	0.51581	(17112908)		
654279.81	4182906.98	0.45938	(17112908)	654329.81
4182906.98	0.41298	(17112908)		
654379.81	4182906.98	0.37423	(17112908)	654429.81
4182906.98	0.34142	(17112908)		
654479.81	4182906.98	0.31338	(17112908)	654529.81
4182906.98	0.28912	(17112908)		
654579.81	4182906.98	0.26795	(17112908)	654629.81
4182906.98	0.24937	(17112908)		
654679.81	4182906.98	0.23288	(17112908)	654729.81
4182906.98	0.21822	(17112908)		
654779.81	4182906.98	0.20511	(17112908)	654829.81
4182906.98	0.19327	(17112908)		
654879.81	4182906.98	0.18259	(17112908)	654929.81
4182906.98	0.17291	(17112908)		
654979.81	4182906.98	0.16408	(17112908)	655029.81
4182906.98	0.15597	(17112908)		
655079.81	4182906.98	0.14851	(17112908)	655129.81
4182906.98	0.14166	(17112908)		

4182956.98	652679.81	4182956.98	0.30303	(17013008)	652729.81
4182956.98	652779.81	4182956.98	0.32049	(17013008)	652829.81
4182956.98	652879.81	4182956.98	0.33958	(17013008)	652929.81
4182956.98	652979.81	4182956.98	0.36038	(17013008)	653029.81
4182956.98	653079.81	4182956.98	0.38317	(17013008)	653129.81
4182956.98	653179.81	4182956.98	0.40815	(17013008)	653229.81
4182956.98	653279.81	4182956.98	0.43565	(17013008)	653329.81
4182956.98	653379.81	4182956.98	0.46616	(17013008)	653429.81
4182956.98	653479.81	4182956.98	0.50016	(17013008)	653529.81
4182956.98	653579.81	4182956.98	0.53847	(17013008)	653929.81
4182956.98	653679.81	4182956.98	0.58229	(17013008)	654029.81
4182956.98	653779.81	4182956.98	0.63335	(17013008)	654129.81
4182956.98	653879.81	4182956.98	0.69392	(17013008)	654229.81
4182956.98	653979.81	4182956.98	0.76734	(17013008)	654329.81
4182956.98	654079.81	4182956.98	0.85879	(17013008)	654429.81
4182956.98	654179.81	4182956.98	0.97686	(17013008)	654529.81
4182956.98	654279.81	4182956.98	1.14718	(17110108)	654629.81
4182956.98	654379.81	4182956.98	1.42184	(17110108)	654729.81
4182956.98	654479.81	4182956.98	1.52207	(17112908)	654829.81
4182956.98	654579.81	4182956.98	1.92048	(17110108)	654929.81
4182956.98	654679.81	4182956.98	1.52207	(17112908)	655029.81
4182956.98	654779.81	4182956.98	1.16524	(17022708)	655129.81
4182956.98	654879.81	4182956.98	0.96282	(17022708)	652729.81
4182956.98	654979.81	4182956.98	0.82308	(17022708)	652829.81
4182956.98	655079.81	4182956.98	0.71807	(17022708)	652929.81
4182956.98	655179.81	4182956.98	0.63491	(17022708)	
4182956.98	655279.81	4182956.98	0.56689	(17022708)	
4182956.98	655379.81	4182956.98	0.63491	(17022708)	
4182956.98	655479.81	4182956.98	0.51004	(17022708)	
4182956.98	655579.81	4182956.98	0.46181	(17022708)	
4182956.98	655679.81	4182956.98	0.42047	(17022708)	
4182956.98	655779.81	4182956.98	0.38472	(17022708)	
4182956.98	655879.81	4182956.98	0.35360	(17022708)	
4182956.98	655979.81	4182956.98	0.32628	(17022708)	
4182956.98	656079.81	4182956.98	0.30219	(17022708)	
4182956.98	656179.81	4182956.98	0.28085	(17022708)	
4182956.98	656279.81	4182956.98	0.26180	(17022708)	
4182956.98	656379.81	4182956.98	0.24476	(17022708)	
4182956.98	656479.81	4182956.98	0.22946	(17022708)	
4182956.98	656579.81	4182956.98	0.21564	(17022708)	
4182956.98	656679.81	4182956.98	0.20311	(17022708)	
4182956.98	656779.81	4182956.98	0.19167	(17022708)	
4182956.98	656879.81	4182956.98	0.18126	(17022708)	
4182956.98	656979.81	4182956.98	0.17173	(17022708)	
4182956.98	657079.81	4182956.98	0.16300	(17022708)	
4182956.98	657179.81	4182956.98	0.15497	(17022708)	
4183006.98	652679.81	4183006.98	0.29715	(17012309)	652729.81
4183006.98	652779.81	4183006.98	0.31362	(17012309)	652829.81
4183006.98	652879.81	4183006.98	0.33175	(17012309)	652929.81
4183006.98	652979.81	4183006.98	0.35201	(17012309)	
4183006.98	653079.81	4183006.98	0.37533	(17120108)	
4183006.98	653179.81	4183006.98	0.40272	(17120108)	

652979.81 4183006.98 0.43328 (17120108) 653029.81
 4183006.98 0.46757 (17120108)
 *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653079.81	4183006.98	0.50625	(17120108)	653129.81
4183006.98	0.55029	(17120108)		
653179.81	4183006.98	0.60110	(17120108)	653229.81
4183006.98	0.66051	(17120108)		
653279.81	4183006.98	0.73490	(17110108)	653329.81
4183006.98	0.82871	(17110108)		
653379.81	4183006.98	0.94852	(17110108)	653429.81
4183006.98	1.11228	(17122608)		
653479.81	4183006.98	1.38858	(17122608)	653529.81
4183006.98	1.84610	(17122608)		
653579.81	4183006.98	3.06733	(17122609)	653829.81
4183006.98	2.23510	(17110708)		
653879.81	4183006.98	1.64644	(17110708)	653929.81
4183006.98	1.24646	(17022408)		
653979.81	4183006.98	0.97571	(17113008)	654029.81
4183006.98	0.82137	(17022708)		
654079.81	4183006.98	0.73297	(17022708)	654129.81
4183006.98	0.66013	(17022708)		
654179.81	4183006.98	0.59893	(17022708)	654229.81
4183006.98	0.54655	(17022708)		
654279.81	4183006.98	0.50108	(17022708)	654329.81
4183006.98	0.46112	(17022708)		
654379.81	4183006.98	0.42582	(17022708)	654429.81
4183006.98	0.39439	(17022708)		
654479.81	4183006.98	0.36625	(17022708)	654529.81
4183006.98	0.34104	(17022708)		

654579.81	4183006.98	0.31836	(17022708)	654629.81
4183006.98	0.29788	(17022708)		
654679.81	4183006.98	0.27929	(17022708)	654729.81
4183006.98	0.26240	(17022708)		
654779.81	4183006.98	0.24704	(17022708)	654829.81
4183006.98	0.23304	(17022708)		
654879.81	4183006.98	0.22022	(17022708)	654929.81
4183006.98	0.20846	(17022708)		
654979.81	4183006.98	0.19764	(17022708)	655029.81
4183006.98	0.18767	(17022708)		
655079.81	4183006.98	0.17847	(17022708)	655129.81
4183006.98	0.16991	(17022708)		
652679.81	4183056.98	0.31342	(17120108)	652729.81
4183056.98	0.33249	(17120108)		
652779.81	4183056.98	0.35349	(17120108)	652829.81
4183056.98	0.37703	(17120108)		
652879.81	4183056.98	0.40285	(17120108)	652929.81
4183056.98	0.43142	(17120108)		
652979.81	4183056.98	0.46336	(17120108)	653029.81
4183056.98	0.49934	(17120108)		
653079.81	4183056.98	0.54007	(17120108)	653129.81
4183056.98	0.58651	(17120108)		
653179.81	4183056.98	0.64000	(17120108)	653229.81
4183056.98	0.71169	(17122608)		
653279.81	4183056.98	0.81964	(17122608)	653329.81
4183056.98	0.95333	(17122608)		
653379.81	4183056.98	1.12597	(17122608)	653429.81
4183056.98	1.36620	(17122608)		
653479.81	4183056.98	1.85884	(17122609)	653529.81
4183056.98	3.09242	(17122609)		
653729.81	4183056.98	2.35131	(17030308)	653779.81
4183056.98	1.89482	(17030308)		
653829.81	4183056.98	1.52367	(17110708)	653879.81
4183056.98	1.26027	(17110708)		
653929.81	4183056.98	1.08058	(17022408)	653979.81
4183056.98	0.88334	(17022408)		
654029.81	4183056.98	0.76059	(17122709)	654079.81
4183056.98	0.65445	(17122709)		
654129.81	4183056.98	0.54521	(17122709)	654179.81
4183056.98	0.49985	(17022708)		
654229.81	4183056.98	0.46857	(17022708)	654279.81
4183056.98	0.43982	(17022708)		
654329.81	4183056.98	0.41326	(17022708)	654379.81
4183056.98	0.38874	(17022708)		
654429.81	4183056.98	0.36608	(17022708)	654479.81
4183056.98	0.34509	(17022708)		
654529.81	4183056.98	0.32564	(17022708)	654579.81
4183056.98	0.30761	(17022708)		
654629.81	4183056.98	0.29089	(17022708)	654679.81
4183056.98	0.27538	(17022708)		

654729.81 4183056.98 0.26098 (17022708) 654779.81
 4183056.98 0.24759 (17022708)
 654829.81 4183056.98 0.23515 (17022708) 654879.81
 4183056.98 0.22358 (17022708)

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 *** ***
 *** 11:24:15

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654929.81	4183056.98	0.21281	(17022708)	654979.81
4183056.98	0.20278	(17022708)		
655029.81	4183056.98	0.19342	(17022708)	655079.81
4183056.98	0.18469	(17022708)		
655129.81	4183056.98	0.17652	(17022708)	652679.81
4183106.98	0.32436	(17013109)		
652729.81	4183106.98	0.34388	(17013109)	652779.81
4183106.98	0.36501	(17013109)		
652829.81	4183106.98	0.38806	(17013109)	652879.81
4183106.98	0.41338	(17013109)		
652929.81	4183106.98	0.44145	(17013109)	652979.81
4183106.98	0.47287	(17013109)		
653029.81	4183106.98	0.51568	(17122608)	653079.81
4183106.98	0.57698	(17122608)		
653129.81	4183106.98	0.64882	(17122608)	653179.81
4183106.98	0.73447	(17122608)		
653229.81	4183106.98	0.83924	(17122608)	653279.81
4183106.98	0.97135	(17122608)		
653329.81	4183106.98	1.14266	(17122608)	653379.81
4183106.98	1.39195	(17122608)		
653429.81	4183106.98	2.02544	(17122609)	653679.81
4183106.98	1.93296	(17030308)		
653729.81	4183106.98	1.65021	(17030308)	653779.81
4183106.98	1.40255	(17030308)		

653829.81	4183106.98	1.19827	(17110708)	653879.81
4183106.98	1.05105 (17110708)			
653929.81	4183106.98	0.90973	(17022408)	653979.81
4183106.98	0.83253 (17022408)			
654029.81	4183106.98	0.69171	(17022408)	654079.81
4183106.98	0.62740 (17122709)			
654129.81	4183106.98	0.56652	(17122709)	654179.81
4183106.98	0.49549 (17122709)			
654229.81	4183106.98	0.42150	(17122709)	654279.81
4183106.98	0.35190 (17022708)			
654329.81	4183106.98	0.33812	(17022708)	654379.81
4183106.98	0.32469 (17022708)			
654429.81	4183106.98	0.31162	(17022708)	654479.81
4183106.98	0.29893 (17022708)			
654529.81	4183106.98	0.28664	(17022708)	654579.81
4183106.98	0.27478 (17022708)			
654629.81	4183106.98	0.26337	(17022708)	654679.81
4183106.98	0.25241 (17022708)			
654729.81	4183106.98	0.24193	(17022708)	654779.81
4183106.98	0.23191 (17022708)			
654829.81	4183106.98	0.22237	(17022708)	654879.81
4183106.98	0.21328 (17022708)			
654929.81	4183106.98	0.20465	(17022708)	654979.81
4183106.98	0.19644 (17022708)			
655029.81	4183106.98	0.18864	(17022708)	655079.81
4183106.98	0.18125 (17022708)			
655129.81	4183106.98	0.17423	(17022708)	652679.81
4183156.98	0.31462 (17013109)			
652729.81	4183156.98	0.32977	(17013109)	652779.81
4183156.98	0.35610 (17122608)			
652829.81	4183156.98	0.38859	(17122608)	652879.81
4183156.98	0.42463 (17122608)			
652929.81	4183156.98	0.46491	(17122608)	652979.81
4183156.98	0.51767 (17122509)			
653029.81	4183156.98	0.58316	(17122509)	653079.81
4183156.98	0.65774 (17122509)			
653129.81	4183156.98	0.74420	(17122509)	653179.81
4183156.98	0.84845 (17122509)			
653229.81	4183156.98	0.98377	(17122509)	653279.81
4183156.98	1.18893 (17122609)			
653329.81	4183156.98	1.85117	(17122609)	653379.81
4183156.98	2.64229 (17122609)			
653429.81	4183156.98	2.87489	(17122609)	653479.81
4183156.98	2.58693 (17122909)			
653529.81	4183156.98	2.59507	(17122909)	653579.81
4183156.98	2.05487 (17121208)			
653629.81	4183156.98	1.58465	(17121208)	653679.81
4183156.98	1.41620 (17030308)			
653729.81	4183156.98	1.29795	(17030308)	653779.81
4183156.98	1.13242 (17030308)			

653829.81	4183156.98	0.99682	(17110708)	653879.81
4183156.98	0.90903	(17110708)		
653929.81	4183156.98	0.77688	(17011608)	653979.81
4183156.98	0.74382	(17022408)		
654029.81	4183156.98	0.67857	(17022408)	654079.81
4183156.98	0.56972	(17022408)		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654129.81	4183156.98	0.53135	(17122709)	654179.81
4183156.98	0.49531	(17122709)		
654229.81	4183156.98	0.44875	(17122709)	654279.81
4183156.98	0.39605	(17122709)		
654329.81	4183156.98	0.34154	(17122709)	654379.81
4183156.98	0.28880	(17122709)		
654429.81	4183156.98	0.24589	(17022708)	654479.81
4183156.98	0.24036	(17022708)		
654529.81	4183156.98	0.23459	(17022708)	654579.81
4183156.98	0.22864	(17022708)		
654629.81	4183156.98	0.22256	(17022708)	654679.81
4183156.98	0.21640	(17022708)		
654729.81	4183156.98	0.21021	(17022708)	654779.81
4183156.98	0.20404	(17022708)		
654829.81	4183156.98	0.19793	(17022708)	654879.81
4183156.98	0.19190	(17022708)		
654929.81	4183156.98	0.18599	(17022708)	654979.81
4183156.98	0.18019	(17022708)		
655029.81	4183156.98	0.17454	(17022708)	655079.81
4183156.98	0.16904	(17022708)		
655129.81	4183156.98	0.16371	(17022708)	652679.81
4183206.98	0.32707	(17122608)		

652729.81	4183206.98	0.35290	(17122509)	652779.81
4183206.98	0.39060 (17122509)			
652829.81	4183206.98	0.43157	(17122509)	652879.81
4183206.98	0.47579 (17122509)			
652929.81	4183206.98	0.52343	(17122509)	652979.81
4183206.98	0.57418 (17122509)			
653029.81	4183206.98	0.62812	(17122509)	653079.81
4183206.98	0.68484 (17122509)			
653129.81	4183206.98	0.74321	(17122509)	653179.81
4183206.98	0.93600 (17122609)			
653229.81	4183206.98	1.20097	(17122609)	653279.81
4183206.98	1.50041 (17122609)			
653329.81	4183206.98	1.68814	(17122609)	653379.81
4183206.98	1.60071 (17122609)			
653429.81	4183206.98	1.61069	(17122909)	653479.81
4183206.98	1.77424 (17122909)			
653529.81	4183206.98	1.57673	(17122909)	653579.81
4183206.98	1.38851 (17121208)			
653629.81	4183206.98	1.16949	(17030308)	653679.81
4183206.98	1.15213 (17030308)			
653729.81	4183206.98	1.08447	(17030308)	653779.81
4183206.98	0.95590 (17010609)			
653829.81	4183206.98	0.85352	(17110708)	653879.81
4183206.98	0.80168 (17110708)			
653929.81	4183206.98	0.69301	(17110708)	653979.81
4183206.98	0.65194 (17022408)			
654029.81	4183206.98	0.62922	(17022408)	654079.81
4183206.98	0.57233 (17022408)			
654129.81	4183206.98	0.48442	(17022408)	654179.81
4183206.98	0.45788 (17122709)			
654229.81	4183206.98	0.43668	(17122709)	654279.81
4183206.98	0.40622 (17122709)			
654329.81	4183206.98	0.36893	(17122709)	654379.81
4183206.98	0.32783 (17122709)			
654429.81	4183206.98	0.28575	(17122709)	654479.81
4183206.98	0.24496 (17122709)			
654529.81	4183206.98	0.20708	(17122709)	654579.81
4183206.98	0.17829 (17022708)			
654629.81	4183206.98	0.17650	(17022708)	654679.81
4183206.98	0.17439 (17022708)			
654729.81	4183206.98	0.17197	(17022708)	654779.81
4183206.98	0.16930 (17022708)			
654829.81	4183206.98	0.16641	(17022708)	654879.81
4183206.98	0.16334 (17022708)			
654929.81	4183206.98	0.16015	(17022708)	654979.81
4183206.98	0.15686 (17022708)			
655029.81	4183206.98	0.15350	(17022708)	655079.81
4183206.98	0.15010 (17022708)			
655129.81	4183206.98	0.14667	(17022708)	652679.81
4183256.98	0.36379 (17122509)			

652729.81	4183256.98	0.39433	(17122509)	652779.81
4183256.98	0.42555	(17122509)		
652829.81	4183256.98	0.45685	(17122509)	652879.81
4183256.98	0.48752	(17122509)		
652929.81	4183256.98	0.51621	(17122509)	652979.81
4183256.98	0.54102	(17122509)		
653029.81	4183256.98	0.61580	(17122609)	653079.81
4183256.98	0.75710	(17122609)		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653129.81	4183256.98	0.91445	(17122609)	653179.81
4183256.98	1.07067	(17122609)		
653229.81	4183256.98	1.18286	(17122609)	653279.81
4183256.98	1.18239	(17122609)		
653329.81	4183256.98	1.02687	(17122609)	653379.81
4183256.98	1.17817	(17122909)		
653429.81	4183256.98	1.34356	(17122909)	653479.81
4183256.98	1.28591	(17122909)		
653529.81	4183256.98	1.18605	(17121208)	653579.81
4183256.98	1.03028	(17121208)		
653629.81	4183256.98	0.97074	(17030308)	653679.81
4183256.98	0.98202	(17030308)		
653729.81	4183256.98	0.93498	(17030308)	653779.81
4183256.98	0.83948	(17010609)		
653829.81	4183256.98	0.74355	(17110708)	653879.81
4183256.98	0.71542	(17110708)		
653929.81	4183256.98	0.64245	(17110708)	653979.81
4183256.98	0.58879	(17011608)		
654029.81	4183256.98	0.56676	(17022408)	654079.81
4183256.98	0.54428	(17022408)		

654129.81	4183256.98	0.49415	(17022408)	654179.81
4183256.98	0.42120	(17022408)		
654229.81	4183256.98	0.39914	(17122709)	654279.81
4183256.98	0.38742	(17122709)		
654329.81	4183256.98	0.36788	(17122709)	654379.81
4183256.98	0.34185	(17122709)		
654429.81	4183256.98	0.31128	(17122709)	654479.81
4183256.98	0.27825	(17122709)		
654529.81	4183256.98	0.24471	(17122709)	654579.81
4183256.98	0.21218	(17122709)		
654629.81	4183256.98	0.18174	(17122709)	654679.81
4183256.98	0.15693	(17113008)		
654729.81	4183256.98	0.13620	(17113008)	654779.81
4183256.98	0.13292	(17022708)		
654829.81	4183256.98	0.13258	(17022708)	654879.81
4183256.98	0.13196	(17022708)		
654929.81	4183256.98	0.13107	(17022708)	654979.81
4183256.98	0.12996	(17022708)		
655029.81	4183256.98	0.12865	(17022708)	655079.81
4183256.98	0.12717	(17022708)		
655129.81	4183256.98	0.12555	(17022708)	652679.81
4183306.98	0.37387	(17122509)		
652729.81	4183306.98	0.39323	(17122509)	652779.81
4183306.98	0.40958	(17122509)		
652829.81	4183306.98	0.42210	(17122509)	652879.81
4183306.98	0.44537	(17010909)		
652929.81	4183306.98	0.52767	(17122609)	652979.81
4183306.98	0.62908	(17122609)		
653029.81	4183306.98	0.73492	(17122609)	653079.81
4183306.98	0.83366	(17122609)		
653129.81	4183306.98	0.90497	(17122609)	653179.81
4183306.98	0.91990	(17122609)		
653229.81	4183306.98	0.85160	(17122609)	653279.81
4183306.98	0.73532	(17121808)		
653329.81	4183306.98	0.92240	(17122909)	653379.81
4183306.98	1.06708	(17122909)		
653429.81	4183306.98	1.07009	(17122909)	653479.81
4183306.98	0.99112	(17121208)		
653529.81	4183306.98	0.94103	(17121208)	653579.81
4183306.98	0.78671	(17121208)		
653629.81	4183306.98	0.83761	(17030308)	653679.81
4183306.98	0.85930	(17030308)		
653729.81	4183306.98	0.82212	(17030308)	653779.81
4183306.98	0.74939	(17010609)		
653829.81	4183306.98	0.65899	(17010609)	653879.81
4183306.98	0.64328	(17110708)		
653929.81	4183306.98	0.59534	(17110708)	653979.81
4183306.98	0.54118	(17011608)		
654029.81	4183306.98	0.50255	(17022408)	654079.81
4183306.98	0.50075	(17022408)		

654129.81	4183306.98	0.47852	(17022408)	654179.81
4183306.98	0.43408	(17022408)		
654229.81	4183306.98	0.37236	(17022408)	654279.81
4183306.98	0.35057	(17122709)		
654329.81	4183306.98	0.34524	(17122709)	654379.81
4183306.98	0.33338	(17122709)		
654429.81	4183306.98	0.31565	(17122709)	654479.81
4183306.98	0.29328	(17122709)		
654529.81	4183306.98	0.26780	(17122709)	654579.81
4183306.98	0.24070	(17122709)		

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 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654629.81	4183306.98	0.21331	(17122709)	654679.81
4183306.98	0.18673	(17122709)		
654729.81	4183306.98	0.16171	(17122709)	654779.81
4183306.98	0.14076	(17113008)		
654829.81	4183306.98	0.12357	(17113008)	654879.81
4183306.98	0.11237	(17022108)		
654929.81	4183306.98	0.10858	(17022108)	654979.81
4183306.98	0.10618	(17111708)		
655029.81	4183306.98	0.10425	(17111708)	655079.81
4183306.98	0.10304	(17022708)		
655129.81	4183306.98	0.10290	(17022708)	652679.81
4183356.98	0.34300	(17122509)		
652729.81	4183356.98	0.35433	(17010909)	652779.81
4183356.98	0.38649	(17122609)		
652829.81	4183356.98	0.45785	(17122609)	652879.81
4183356.98	0.53407	(17122609)		
652929.81	4183356.98	0.61045	(17122609)	652979.81
4183356.98	0.67943	(17122609)		

4183356.98	653029.81	4183356.98	0.72947	(17122609)	653079.81
4183356.98	653129.81	4183356.98	0.71302	(17122609)	653179.81
4183356.98	653229.81	4183356.98	0.58854	(17121808)	653279.81
4183356.98	653329.81	4183356.98	0.87477	(17122909)	653379.81
4183356.98	653429.81	4183356.98	0.82158	(17122909)	653479.81
4183356.98	653529.81	4183356.98	0.75402	(17121208)	653579.81
4183356.98	653629.81	4183356.98	0.74008	(17030308)	653679.81
4183356.98	653729.81	4183356.98	0.73286	(17030308)	653779.81
4183356.98	653829.81	4183356.98	0.59991	(17010609)	653879.81
4183356.98	653929.81	4183356.98	0.55152	(17110708)	653979.81
4183356.98	654029.81	4183356.98	0.47560	(17011608)	654079.81
4183356.98	654129.81	4183356.98	0.44764	(17022408)	654179.81
4183356.98	654229.81	4183356.98	0.38646	(17022408)	654279.81
4183356.98	654329.81	4183356.98	0.30941	(17122709)	654379.81
4183356.98	654429.81	4183356.98	0.30221	(17122709)	654479.81
4183356.98	654529.81	4183356.98	0.27477	(17122709)	654579.81
4183356.98	654629.81	4183356.98	0.23395	(17122709)	654679.81
4183356.98	654729.81	4183356.98	0.18854	(17122709)	654779.81
4183356.98	654829.81	4183356.98	0.14546	(17122709)	654879.81
4183356.98	654929.81	4183356.98	0.11292	(17113008)	654979.81
4183356.98	655029.81	4183356.98	0.09661	(17022108)	655079.81
4183406.98	655129.81	4183356.98	0.09081	(17022108)	652679.81
4183406.98	652729.81	4183406.98	0.40204	(17122609)	652779.81
4183406.98	652829.81	4183406.98	0.51908	(17122609)	652879.81
4183406.98	652929.81	4183406.98	0.60794	(17122609)	652979.81
4183406.98	652929.81	4183406.98	0.62289	(17122609)	

653029.81	4183406.98	0.60666	(17122609)	653079.81
4183406.98	0.55380	(17122609)		
653129.81	4183406.98	0.49494	(17121808)	653179.81
4183406.98	0.49419	(17122909)		
653229.81	4183406.98	0.62947	(17122909)	653279.81
4183406.98	0.73389	(17122909)		
653329.81	4183406.98	0.77327	(17122909)	653379.81
4183406.98	0.73018	(17122909)		
653429.81	4183406.98	0.72536	(17121208)	653479.81
4183406.98	0.70004	(17121208)		
653529.81	4183406.98	0.60603	(17121208)	653579.81
4183406.98	0.58767	(17030308)		

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653629.81	4183406.98	0.66441	(17030308)	653679.81
4183406.98	0.68869	(17030308)		
653729.81	4183406.98	0.66008	(17030308)	653779.81
4183406.98	0.61744	(17010609)		
653829.81	4183406.98	0.55121	(17010609)	653879.81
4183406.98	0.52644	(17110708)		
653929.81	4183406.98	0.51063	(17110708)	653979.81
4183406.98	0.46679	(17110708)		
654029.81	4183406.98	0.44431	(17011608)	654079.81
4183406.98	0.41729	(17011608)		
654129.81	4183406.98	0.40900	(17022408)	654179.81
4183406.98	0.40387	(17022408)		
654229.81	4183406.98	0.38315	(17022408)	654279.81
4183406.98	0.34780	(17022408)		
654329.81	4183406.98	0.30179	(17022408)	654379.81
4183406.98	0.27391	(17122709)		

654429.81	4183406.98	0.27622	(17122709)	654479.81
4183406.98	0.27394	(17122709)		
654529.81	4183406.98	0.26713	(17122709)	654579.81
4183406.98	0.25626	(17122709)		
654629.81	4183406.98	0.24202	(17122709)	654679.81
4183406.98	0.22527	(17122709)		
654729.81	4183406.98	0.20690	(17122709)	654779.81
4183406.98	0.18775	(17122709)		
654829.81	4183406.98	0.16852	(17122709)	654879.81
4183406.98	0.14979	(17122709)		
654929.81	4183406.98	0.13200	(17122709)	654979.81
4183406.98	0.11617	(17113008)		
655029.81	4183406.98	0.10382	(17113008)	655079.81
4183406.98	0.09249	(17113008)		
655129.81	4183406.98	0.08613	(17022108)	652679.81
4183456.98	0.40381	(17122609)		
652729.81	4183456.98	0.44921	(17122609)	652779.81
4183456.98	0.48909	(17122609)		
652829.81	4183456.98	0.51864	(17122609)	652879.81
4183456.98	0.53220	(17122609)		
652929.81	4183456.98	0.52421	(17122609)	652979.81
4183456.98	0.49103	(17122609)		
653029.81	4183456.98	0.43215	(17122609)	653079.81
4183456.98	0.42128	(17121808)		
653129.81	4183456.98	0.42976	(17122909)	653179.81
4183456.98	0.53873	(17122909)		
653229.81	4183456.98	0.62687	(17122909)	653279.81
4183456.98	0.66947	(17122909)		
653329.81	4183456.98	0.65023	(17122909)	653379.81
4183456.98	0.62297	(17121208)		
653429.81	4183456.98	0.63439	(17121208)	653479.81
4183456.98	0.58435	(17121208)		
653529.81	4183456.98	0.48734	(17121208)	653579.81
4183456.98	0.53422	(17030308)		
653629.81	4183456.98	0.60344	(17030308)	653679.81
4183456.98	0.62587	(17030308)		
653729.81	4183456.98	0.59948	(17030308)	653779.81
4183456.98	0.56732	(17010609)		
653829.81	4183456.98	0.51012	(17010609)	653879.81
4183456.98	0.47738	(17110708)		
653929.81	4183456.98	0.47234	(17110708)	653979.81
4183456.98	0.44280	(17110708)		
654029.81	4183456.98	0.41088	(17011608)	654079.81
4183456.98	0.39880	(17011608)		
654129.81	4183456.98	0.36715	(17022408)	654179.81
4183456.98	0.37332	(17022408)		
654229.81	4183456.98	0.36712	(17022408)	654279.81
4183456.98	0.34749	(17022408)		
654329.81	4183456.98	0.31577	(17022408)	654379.81
4183456.98	0.27542	(17022408)		

654429.81	4183456.98	0.24562	(17010908)	654479.81
4183456.98	0.24752	(17122709)		
654529.81	4183456.98	0.24822	(17122709)	654579.81
4183456.98	0.24499	(17122709)		
654629.81	4183456.98	0.23809	(17122709)	654679.81
4183456.98	0.22798	(17122709)		
654729.81	4183456.98	0.21528	(17122709)	654779.81
4183456.98	0.20067	(17122709)		
654829.81	4183456.98	0.18485	(17122709)	654879.81
4183456.98	0.16845	(17122709)		
654929.81	4183456.98	0.15200	(17122709)	654979.81
4183456.98	0.13596	(17122709)		
655029.81	4183456.98	0.12066	(17122709)	655079.81
4183456.98	0.10659	(17113008)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
655129.81	4183456.98	0.09593	(17113008)	652679.81
4183506.98	0.42622	(17122609)		
652729.81	4183506.98	0.45020	(17122609)	652779.81
4183506.98	0.46243	(17122609)		
652829.81	4183506.98	0.45915	(17122609)	652879.81
4183506.98	0.43759	(17122609)		
652929.81	4183506.98	0.39695	(17122609)	652979.81
4183506.98	0.36515	(17121808)		
653029.81	4183506.98	0.36260	(17121808)	653079.81
4183506.98	0.37924	(17122909)		
653129.81	4183506.98	0.46882	(17122909)	653179.81
4183506.98	0.54365	(17122909)		
653229.81	4183506.98	0.58572	(17122909)	653279.81
4183506.98	0.58101	(17122909)		

653329.81	4183506.98	0.53192	(17121208)	653379.81
4183506.98	0.56536 (17121208)			
653429.81	4183506.98	0.54868	(17121208)	653479.81
4183506.98	0.48572 (17121208)			
653529.81	4183506.98	0.39616	(17030308)	653579.81
4183506.98	0.49046 (17030308)			
653629.81	4183506.98	0.55245	(17030308)	653679.81
4183506.98	0.57246 (17030308)			
653729.81	4183506.98	0.54788	(17030308)	653779.81
4183506.98	0.52413 (17010609)			
653829.81	4183506.98	0.47490	(17010609)	653879.81
4183506.98	0.43285 (17110708)			
653929.81	4183506.98	0.43631	(17110708)	653979.81
4183506.98	0.41823 (17110708)			
654029.81	4183506.98	0.37955	(17110708)	654079.81
4183506.98	0.37591 (17011608)			
654129.81	4183506.98	0.35698	(17011608)	654179.81
4183506.98	0.33835 (17022408)			
654229.81	4183506.98	0.34270	(17022408)	654279.81
4183506.98	0.33582 (17022408)			
654329.81	4183506.98	0.31736	(17022408)	654379.81
4183506.98	0.28879 (17022408)			
654429.81	4183506.98	0.25312	(17022408)	654479.81
4183506.98	0.22826 (17010908)			
654529.81	4183506.98	0.22184	(17122709)	654579.81
4183506.98	0.22475 (17122709)			
654629.81	4183506.98	0.22427	(17122709)	654679.81
4183506.98	0.22052 (17122709)			
654729.81	4183506.98	0.21378	(17122709)	654779.81
4183506.98	0.20448 (17122709)			
654829.81	4183506.98	0.19314	(17122709)	654879.81
4183506.98	0.18032 (17122709)			
654929.81	4183506.98	0.16657	(17122709)	654979.81
4183506.98	0.15237 (17122709)			
655029.81	4183506.98	0.13815	(17122709)	655079.81
4183506.98	0.12426 (17122709)			
655129.81	4183506.98	0.11097	(17122709)	652679.81
4183556.98	0.40723 (17122609)			
652729.81	4183556.98	0.40668	(17122609)	652779.81
4183556.98	0.39242 (17122609)			
652829.81	4183556.98	0.36361	(17122609)	652879.81
4183556.98	0.32109 (17122609)			
652929.81	4183556.98	0.32196	(17121808)	652979.81
4183556.98	0.31514 (17121808)			
653029.81	4183556.98	0.33850	(17122909)	653079.81
4183556.98	0.41342 (17122909)			
653129.81	4183556.98	0.47750	(17122909)	653179.81
4183556.98	0.51731 (17122909)			
653229.81	4183556.98	0.52135	(17122909)	653279.81
4183556.98	0.48547 (17122909)			

653329.81	4183556.98	0.49848	(17121208)	653379.81
4183556.98	0.50500	(17121208)		
653429.81	4183556.98	0.47041	(17121208)	653479.81
4183556.98	0.40229	(17121208)		
653529.81	4183556.98	0.37010	(17030308)	653579.81
4183556.98	0.45411	(17030308)		
653629.81	4183556.98	0.50941	(17030308)	653679.81
4183556.98	0.52687	(17030308)		
653729.81	4183556.98	0.50376	(17030308)	653779.81
4183556.98	0.48674	(17010609)		
653829.81	4183556.98	0.44427	(17010609)	653879.81
4183556.98	0.39218	(17110708)		
653929.81	4183556.98	0.40234	(17110708)	653979.81
4183556.98	0.39350	(17110708)		
654029.81	4183556.98	0.36582	(17110708)	654079.81
4183556.98	0.35038	(17011608)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654129.81	4183556.98	0.34269	(17011608)	654179.81
4183556.98	0.31887	(17011608)		
654229.81	4183556.98	0.31327	(17022408)	654279.81
4183556.98	0.31610	(17022408)		
654329.81	4183556.98	0.30879	(17022408)	654379.81
4183556.98	0.29148	(17022408)		
654429.81	4183556.98	0.26569	(17022408)	654479.81
4183556.98	0.23397	(17022408)		
654529.81	4183556.98	0.21292	(17010908)	654579.81
4183556.98	0.20094	(17011109)		
654629.81	4183556.98	0.20339	(17122709)	654679.81
4183556.98	0.20501	(17122709)		

654729.81	4183556.98	0.20372	(17122709)	654779.81
4183556.98	0.19969 (17122709)			
654829.81	4183556.98	0.19323	(17122709)	654879.81
4183556.98	0.18470 (17122709)			
654929.81	4183556.98	0.17456	(17122709)	654979.81
4183556.98	0.16324 (17122709)			
655029.81	4183556.98	0.15118	(17122709)	655079.81
4183556.98	0.13878 (17122709)			
655129.81	4183556.98	0.12638	(17122709)	652679.81
4183606.98	0.35415 (17122609)			
652729.81	4183606.98	0.33344	(17122609)	652779.81
4183606.98	0.30170 (17122609)			
652829.81	4183606.98	0.28529	(17121808)	652879.81
4183606.98	0.28541 (17121808)			
652929.81	4183606.98	0.27608	(17121808)	652979.81
4183606.98	0.30498 (17122909)			
653029.81	4183606.98	0.36854	(17122909)	653079.81
4183606.98	0.42382 (17122909)			
653129.81	4183606.98	0.46072	(17122909)	653179.81
4183606.98	0.47000 (17122909)			
653229.81	4183606.98	0.44703	(17122909)	653279.81
4183606.98	0.43687 (17121208)			
653329.81	4183606.98	0.45830	(17121208)	653379.81
4183606.98	0.44558 (17121208)			
653429.81	4183606.98	0.40056	(17121208)	653479.81
4183606.98	0.33228 (17121208)			
653529.81	4183606.98	0.34791	(17030308)	653579.81
4183606.98	0.42301 (17030308)			
653629.81	4183606.98	0.47231	(17030308)	653679.81
4183606.98	0.48732 (17030308)			
653729.81	4183606.98	0.46555	(17030308)	653779.81
4183606.98	0.45395 (17010609)			
653829.81	4183606.98	0.41716	(17010609)	653879.81
4183606.98	0.35493 (17110708)			
653929.81	4183606.98	0.37028	(17110708)	653979.81
4183606.98	0.36893 (17110708)			
654029.81	4183606.98	0.35046	(17110708)	654079.81
4183606.98	0.32346 (17011608)			
654129.81	4183606.98	0.32456	(17011608)	654179.81
4183606.98	0.31138 (17011608)			
654229.81	4183606.98	0.28440	(17011608)	654279.81
4183606.98	0.29106 (17022408)			
654329.81	4183606.98	0.29267	(17022408)	654379.81
4183606.98	0.28527 (17022408)			
654429.81	4183606.98	0.26919	(17022408)	654479.81
4183606.98	0.24584 (17022408)			
654529.81	4183606.98	0.21743	(17022408)	654579.81
4183606.98	0.19938 (17010908)			
654629.81	4183606.98	0.18451	(17120508)	654679.81
4183606.98	0.18548 (17011109)			

654729.81	4183606.98	0.18717	(17122709)	654779.81
4183606.98	0.18779	(17122709)		
654829.81	4183606.98	0.18595	(17122709)	654879.81
4183606.98	0.18181	(17122709)		
654929.81	4183606.98	0.17568	(17122709)	654979.81
4183606.98	0.16788	(17122709)		
655029.81	4183606.98	0.15877	(17122709)	655079.81
4183606.98	0.14872	(17122709)		
655129.81	4183606.98	0.13808	(17122709)	652679.81
4183656.98	0.28226	(17122609)		
652729.81	4183656.98	0.25326	(17121808)	652779.81
4183656.98	0.25731	(17121808)		
652829.81	4183656.98	0.25436	(17121808)	652879.81
4183656.98	0.24365	(17121808)		
652929.81	4183656.98	0.27693	(17122909)	652979.81
4183656.98	0.33151	(17122909)		
653029.81	4183656.98	0.37963	(17122909)	653079.81
4183656.98	0.41356	(17122909)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653129.81	4183656.98	0.42572	(17122909)	653179.81
4183656.98	0.41177	(17122909)		
653229.81	4183656.98	0.38179	(17121208)	653279.81
4183656.98	0.41193	(17121208)		
653329.81	4183656.98	0.41502	(17121208)	653379.81
4183656.98	0.38933	(17121208)		
653429.81	4183656.98	0.33926	(17121208)	653479.81
4183656.98	0.27393	(17121208)		
653529.81	4183656.98	0.32865	(17030308)	653579.81
4183656.98	0.39598	(17030308)		

653629.81	4183656.98	0.43988	(17030308)	653679.81
4183656.98	0.45266 (17030308)			
653729.81	4183656.98	0.43205	(17030308)	653779.81
4183656.98	0.42478 (17010609)			
653829.81	4183656.98	0.39304	(17010609)	653879.81
4183656.98	0.33464 (17010609)			
653929.81	4183656.98	0.34009	(17110708)	653979.81
4183656.98	0.34476 (17110708)			
654029.81	4183656.98	0.33397	(17110708)	654079.81
4183656.98	0.30887 (17110708)			
654129.81	4183656.98	0.30387	(17011608)	654179.81
4183656.98	0.29932 (17011608)			
654229.81	4183656.98	0.28207	(17011608)	654279.81
4183656.98	0.26307 (17022408)			
654329.81	4183656.98	0.27147	(17022408)	654379.81
4183656.98	0.27218 (17022408)			
654429.81	4183656.98	0.26479	(17022408)	654479.81
4183656.98	0.24981 (17022408)			
654529.81	4183656.98	0.22857	(17022408)	654579.81
4183656.98	0.20300 (17022408)			
654629.81	4183656.98	0.18729	(17010908)	654679.81
4183656.98	0.17433 (17010908)			
654729.81	4183656.98	0.17026	(17011109)	654779.81
4183656.98	0.17146 (17011109)			
654829.81	4183656.98	0.17278	(17122709)	654879.81
4183656.98	0.17267 (17122709)			
654929.81	4183656.98	0.17047	(17122709)	654979.81
4183656.98	0.16635 (17122709)			
655029.81	4183656.98	0.16057	(17122709)	655079.81
4183656.98	0.15343 (17122709)			
655129.81	4183656.98	0.14522	(17122709)	652679.81
4183706.98	0.23172 (17121808)			
652729.81	4183706.98	0.23267	(17121808)	652779.81
4183706.98	0.22773 (17121808)			
652829.81	4183706.98	0.21634	(17121808)	652879.81
4183706.98	0.25310 (17122909)			
652929.81	4183706.98	0.30045	(17122909)	652979.81
4183706.98	0.34270 (17122909)			
653029.81	4183706.98	0.37369	(17122909)	653079.81
4183706.98	0.38748 (17122909)			
653129.81	4183706.98	0.37982	(17122909)	653179.81
4183706.98	0.35033 (17122909)			
653229.81	4183706.98	0.36804	(17121208)	653279.81
4183706.98	0.38185 (17121208)			
653329.81	4183706.98	0.37133	(17121208)	653379.81
4183706.98	0.33758 (17121208)			
653429.81	4183706.98	0.28616	(17121208)	653479.81
4183706.98	0.23998 (17030308)			
653529.81	4183706.98	0.31163	(17030308)	653579.81
4183706.98	0.37215 (17030308)			

653629.81	4183706.98	0.41118	(17030308)	653679.81
4183706.98	0.42193	(17030308)		
653729.81	4183706.98	0.40243	(17030308)	653779.81
4183706.98	0.39866	(17010609)		
653829.81	4183706.98	0.37138	(17010609)	653879.81
4183706.98	0.31968	(17010609)		
653929.81	4183706.98	0.31170	(17110708)	653979.81
4183706.98	0.32115	(17110708)		
654029.81	4183706.98	0.31676	(17110708)	654079.81
4183706.98	0.29898	(17110708)		
654129.81	4183706.98	0.28159	(17011608)	654179.81
4183706.98	0.28418	(17011608)		
654229.81	4183706.98	0.27527	(17011608)	654279.81
4183706.98	0.25526	(17011608)		
654329.81	4183706.98	0.24699	(17022408)	654379.81
4183706.98	0.25401	(17022408)		
654429.81	4183706.98	0.25397	(17022408)	654479.81
4183706.98	0.24669	(17022408)		
654529.81	4183706.98	0.23276	(17022408)	654579.81
4183706.98	0.21339	(17022408)		

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 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654629.81	4183706.98	0.19026	(17022408)	654679.81
4183706.98	0.17638	(17010908)		
654729.81	4183706.98	0.16523	(17010908)	654779.81
4183706.98	0.15627	(17011109)		
654829.81	4183706.98	0.15861	(17011109)	654879.81
4183706.98	0.15874	(17122709)		
654929.81	4183706.98	0.16000	(17122709)	654979.81
4183706.98	0.15934	(17122709)		

655029.81	4183706.98	0.15690	(17122709)	655079.81
4183706.98	0.15287 (17122709)			
655129.81	4183706.98	0.14745	(17122709)	652679.81
4183756.98	0.21109 (17121808)			
652729.81	4183756.98	0.20479	(17121808)	652779.81
4183756.98	0.19322 (17121808)			
652829.81	4183756.98	0.23262	(17122909)	652879.81
4183756.98	0.27408 (17122909)			
652929.81	4183756.98	0.31143	(17122909)	652979.81
4183756.98	0.33976 (17122909)			
653029.81	4183756.98	0.35419	(17122909)	653079.81
4183756.98	0.35104 (17122909)			
653129.81	4183756.98	0.32931	(17122909)	653179.81
4183756.98	0.32775 (17121208)			
653229.81	4183756.98	0.34835	(17121208)	653279.81
4183756.98	0.34915 (17121208)			
653329.81	4183756.98	0.32908	(17121208)	653379.81
4183756.98	0.29095 (17121208)			
653429.81	4183756.98	0.24065	(17121208)	653479.81
4183756.98	0.23126 (17030308)			
653529.81	4183756.98	0.29640	(17030308)	653579.81
4183756.98	0.35092 (17030308)			
653629.81	4183756.98	0.38566	(17030308)	653679.81
4183756.98	0.39459 (17030308)			
653729.81	4183756.98	0.37613	(17030308)	653779.81
4183756.98	0.37520 (17010609)			
653829.81	4183756.98	0.35178	(17010609)	653879.81
4183756.98	0.30592 (17010609)			
653929.81	4183756.98	0.28514	(17110708)	653979.81
4183756.98	0.29832 (17110708)			
654029.81	4183756.98	0.29920	(17110708)	654079.81
4183756.98	0.28770 (17110708)			
654129.81	4183756.98	0.26527	(17110708)	654179.81
4183756.98	0.26681 (17011608)			
654229.81	4183756.98	0.26488	(17011608)	654279.81
4183756.98	0.25250 (17011608)			
654329.81	4183756.98	0.23080	(17011608)	654379.81
4183756.98	0.23250 (17022408)			
654429.81	4183756.98	0.23832	(17022408)	654479.81
4183756.98	0.23769 (17022408)			
654529.81	4183756.98	0.23060	(17022408)	654579.81
4183756.98	0.21765 (17022408)			
654629.81	4183756.98	0.19993	(17022408)	654679.81
4183756.98	0.17891 (17022408)			
654729.81	4183756.98	0.16645	(17010908)	654779.81
4183756.98	0.15685 (17010908)			
654829.81	4183756.98	0.14790	(17120508)	654879.81
4183756.98	0.14661 (17011109)			
654929.81	4183756.98	0.14785	(17011109)	654979.81
4183756.98	0.14792 (17122709)			

655029.81	4183756.98	0.14852	(17122709)	655079.81
4183756.98	0.14748	(17122709)		
655129.81	4183756.98	0.14493	(17122709)	652679.81
4183806.98	0.18489	(17121808)		
652729.81	4183806.98	0.17824	(17122909)	652779.81
4183806.98	0.21485	(17122909)		
652829.81	4183806.98	0.25147	(17122909)	652879.81
4183806.98	0.28471	(17122909)		
652929.81	4183806.98	0.31059	(17122909)	652979.81
4183806.98	0.32515	(17122909)		
653029.81	4183806.98	0.32520	(17122909)	653079.81
4183806.98	0.30936	(17122909)		
653129.81	4183806.98	0.29149	(17121208)	653179.81
4183806.98	0.31599	(17121208)		
653229.81	4183806.98	0.32483	(17121208)	653279.81
4183806.98	0.31572	(17121208)		
653329.81	4183806.98	0.28941	(17121208)	653379.81
4183806.98	0.24957	(17121208)		
653429.81	4183806.98	0.20190	(17121208)	653479.81
4183806.98	0.22329	(17030308)		
653529.81	4183806.98	0.28269	(17030308)	653579.81
4183806.98	0.33189	(17030308)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653629.81	4183806.98	0.36276	(17030308)	653679.81
4183806.98	0.37010	(17030308)		
653729.81	4183806.98	0.35263	(17030308)	653779.81
4183806.98	0.35396	(17010609)		
653829.81	4183806.98	0.33393	(17010609)	653879.81
4183806.98	0.29319	(17010609)		

653929.81	4183806.98	0.26038	(17110708)	653979.81
4183806.98	0.27637	(17110708)		
654029.81	4183806.98	0.28154	(17110708)	654079.81
4183806.98	0.27542	(17110708)		
654129.81	4183806.98	0.25881	(17110708)	654179.81
4183806.98	0.24792	(17011608)		
654229.81	4183806.98	0.25174	(17011608)	654279.81
4183806.98	0.24604	(17011608)		
654329.81	4183806.98	0.23114	(17011608)	654379.81
4183806.98	0.20905	(17022408)		
654429.81	4183806.98	0.21932	(17022408)	654479.81
4183806.98	0.22414	(17022408)		
654529.81	4183806.98	0.22307	(17022408)	654579.81
4183806.98	0.21622	(17022408)		
654629.81	4183806.98	0.20416	(17022408)	654679.81
4183806.98	0.18791	(17022408)		
654729.81	4183806.98	0.16874	(17022408)	654779.81
4183806.98	0.15738	(17010908)		
654829.81	4183806.98	0.14910	(17010908)	654879.81
4183806.98	0.14024	(17120508)		
654929.81	4183806.98	0.13544	(17011109)	654979.81
4183806.98	0.13754	(17011109)		
655029.81	4183806.98	0.13790	(17011109)	655079.81
4183806.98	0.13812	(17122709)		
655129.81	4183806.98	0.13824	(17122709)	652679.81
4183856.98	0.16670	(17122909)		
652729.81	4183856.98	0.19929	(17122909)	652779.81
4183856.98	0.23188	(17122909)		
652829.81	4183856.98	0.26165	(17122909)	652879.81
4183856.98	0.28538	(17122909)		
652929.81	4183856.98	0.29972	(17122909)	652979.81
4183856.98	0.30191	(17122909)		
653029.81	4183856.98	0.29068	(17122909)	653079.81
4183856.98	0.26639	(17122909)		
653129.81	4183856.98	0.28562	(17121208)	653179.81
4183856.98	0.29989	(17121208)		
653229.81	4183856.98	0.29920	(17121208)	653279.81
4183856.98	0.28293	(17121208)		
653329.81	4183856.98	0.25295	(17121208)	653379.81
4183856.98	0.21329	(17121208)		
653429.81	4183856.98	0.16914	(17121208)	653479.81
4183856.98	0.21585	(17030308)		
653529.81	4183856.98	0.27010	(17030308)	653579.81
4183856.98	0.31457	(17030308)		
653629.81	4183856.98	0.34208	(17030308)	653679.81
4183856.98	0.34808	(17030308)		
653729.81	4183856.98	0.33151	(17030308)	653779.81
4183856.98	0.33455	(17010609)		
653829.81	4183856.98	0.31758	(17010609)	653879.81
4183856.98	0.28134	(17010609)		

653929.81	4183856.98	0.23740	(17110708)	653979.81
4183856.98	0.25543	(17110708)		
654029.81	4183856.98	0.26404	(17110708)	654079.81
4183856.98	0.26245	(17110708)		
654129.81	4183856.98	0.25097	(17110708)	654179.81
4183856.98	0.23104	(17110708)		
654229.81	4183856.98	0.23664	(17011608)	654279.81
4183856.98	0.23661	(17011608)		
654329.81	4183856.98	0.22787	(17011608)	654379.81
4183856.98	0.21127	(17011608)		
654429.81	4183856.98	0.19831	(17022408)	654479.81
4183856.98	0.20733	(17022408)		
654529.81	4183856.98	0.21129	(17022408)	654579.81
4183856.98	0.20989	(17022408)		
654629.81	4183856.98	0.20329	(17022408)	654679.81
4183856.98	0.19206	(17022408)		
654729.81	4183856.98	0.17712	(17022408)	654779.81
4183856.98	0.15958	(17022408)		
654829.81	4183856.98	0.14905	(17010908)	654879.81
4183856.98	0.14193	(17010908)		
654929.81	4183856.98	0.13306	(17120508)	654979.81
4183856.98	0.12789	(17120508)		
655029.81	4183856.98	0.12785	(17011109)	655079.81
4183856.98	0.12908	(17011109)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
655129.81	4183856.98	0.12877	(17011109)	652679.81
4183906.98	0.18558	(17122909)		
652729.81	4183906.98	0.21475	(17122909)	652779.81
4183906.98	0.24157	(17122909)		

4183906.98	652829.81	4183906.98	0.26330	(17122909)	652879.81
4183906.98	652929.81	4183906.98	0.28109	(17122909)	652979.81
4183906.98	653029.81	4183906.98	0.25401	(17122909)	653079.81
4183906.98	653129.81	4183906.98	0.27536	(17121208)	653179.81
4183906.98	653229.81	4183906.98	0.27277	(17121208)	653279.81
4183906.98	653329.81	4183906.98	0.22000	(17121208)	653379.81
4183906.98	653429.81	4183906.98	0.15705	(17030308)	653479.81
4183906.98	653529.81	4183906.98	0.25854	(17030308)	653579.81
4183906.98	653629.81	4183906.98	0.32333	(17030308)	653679.81
4183906.98	653729.81	4183906.98	0.31245	(17030308)	653779.81
4183906.98	653829.81	4183906.98	0.30253	(17010609)	653879.81
4183906.98	653929.81	4183906.98	0.22514	(17010609)	653979.81
4183906.98	654029.81	4183906.98	0.24688	(17110708)	654079.81
4183906.98	654129.81	4183906.98	0.24206	(17110708)	654179.81
4183906.98	654229.81	4183906.98	0.22024	(17011608)	654279.81
4183906.98	654329.81	4183906.98	0.22160	(17011608)	654379.81
4183906.98	654429.81	4183906.98	0.19294	(17011608)	654479.81
4183906.98	654529.81	4183906.98	0.19635	(17022408)	654579.81
4183906.98	654629.81	4183906.98	0.19794	(17022408)	654679.81
4183906.98	654729.81	4183906.98	0.18115	(17022408)	654779.81
4183906.98	654829.81	4183906.98	0.15128	(17022408)	654879.81
4183906.98	654929.81	4183906.98	0.13528	(17010908)	654979.81
4183906.98	655029.81	4183906.98	0.12215	(17120508)	655079.81
4183956.98	655129.81	4183906.98	0.12068	(17011109)	652679.81
4183956.98	652729.81	4183956.98	0.22395	(17122909)	652779.81
4183956.98		0.24392	(17122909)		

652829.81	4183956.98	0.25736	(17122909)	652879.81
4183956.98	0.26220	(17122909)		
652929.81	4183956.98	0.25710	(17122909)	652979.81
4183956.98	0.24197	(17122909)		
653029.81	4183956.98	0.23227	(17121208)	653079.81
4183956.98	0.25190	(17121208)		
653129.81	4183956.98	0.26183	(17121208)	653179.81
4183956.98	0.26018	(17121208)		
653229.81	4183956.98	0.24663	(17121208)	653279.81
4183956.98	0.22250	(17121208)		
653329.81	4183956.98	0.19057	(17121208)	653379.81
4183956.98	0.15459	(17121208)		
653429.81	4183956.98	0.15429	(17030308)	653479.81
4183956.98	0.20238	(17030308)		
653529.81	4183956.98	0.24789	(17030308)	653579.81
4183956.98	0.28438	(17030308)		
653629.81	4183956.98	0.30627	(17030308)	653679.81
4183956.98	0.31007	(17030308)		
653729.81	4183956.98	0.29517	(17030308)	653779.81
4183956.98	0.30057	(17010609)		
653829.81	4183956.98	0.28863	(17010609)	653879.81
4183956.98	0.25994	(17010609)		
653929.81	4183956.98	0.21896	(17010609)	653979.81
4183956.98	0.21688	(17110708)		
654029.81	4183956.98	0.23022	(17110708)	654079.81
4183956.98	0.23551	(17110708)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654129.81	4183956.98	0.23234	(17110708)	654179.81
4183956.98	0.22128	(17110708)		

654229.81	4183956.98	0.20356	(17110708)	654279.81
4183956.98	0.21153 (17011608)			
654329.81	4183956.98	0.21288	(17011608)	654379.81
4183956.98	0.20692 (17011608)			
654429.81	4183956.98	0.19424	(17011608)	654479.81
4183956.98	0.17611 (17011608)			
654529.81	4183956.98	0.17932	(17022408)	654579.81
4183956.98	0.18627 (17022408)			
654629.81	4183956.98	0.18889	(17022408)	654679.81
4183956.98	0.18707 (17022408)			
654729.81	4183956.98	0.18102	(17022408)	654779.81
4183956.98	0.17128 (17022408)			
654829.81	4183956.98	0.15856	(17022408)	654879.81
4183956.98	0.14374 (17022408)			
654929.81	4183956.98	0.13437	(17010908)	654979.81
4183956.98	0.12911 (17010908)			
655029.81	4183956.98	0.12217	(17010908)	655079.81
4183956.98	0.11669 (17120508)			
655129.81	4183956.98	0.11189	(17120508)	652679.81
4184006.98	0.20838 (17122909)			
652729.81	4184006.98	0.22681	(17122909)	652779.81
4184006.98	0.23971 (17122909)			
652829.81	4184006.98	0.24530	(17122909)	652879.81
4184006.98	0.24227 (17122909)			
652929.81	4184006.98	0.23036	(17122909)	652979.81
4184006.98	0.21114 (17122908)			
653029.81	4184006.98	0.22993	(17121208)	653079.81
4184006.98	0.24286 (17121208)			
653129.81	4184006.98	0.24616	(17121208)	653179.81
4184006.98	0.23887 (17121208)			
653229.81	4184006.98	0.22147	(17121208)	653279.81
4184006.98	0.19576 (17121208)			
653329.81	4184006.98	0.16457	(17121208)	653379.81
4184006.98	0.13128 (17121208)			
653429.81	4184006.98	0.15157	(17030308)	653479.81
4184006.98	0.19621 (17030308)			
653529.81	4184006.98	0.23800	(17030308)	653579.81
4184006.98	0.27113 (17030308)			
653629.81	4184006.98	0.29069	(17030308)	653679.81
4184006.98	0.29362 (17030308)			
653729.81	4184006.98	0.27949	(17030308)	653779.81
4184006.98	0.28569 (17010609)			
653829.81	4184006.98	0.27574	(17010609)	653879.81
4184006.98	0.25022 (17010609)			
653929.81	4184006.98	0.21301	(17010609)	653979.81
4184006.98	0.19935 (17110708)			
654029.81	4184006.98	0.21420	(17110708)	654079.81
4184006.98	0.22196 (17110708)			
654129.81	4184006.98	0.22208	(17110708)	654179.81
4184006.98	0.21472 (17110708)			

654229.81	4184006.98	0.20078	(17110708)	654279.81
4184006.98	0.19704	(17011608)		
654329.81	4184006.98	0.20227	(17011608)	654379.81
4184006.98	0.20080	(17011608)		
654429.81	4184006.98	0.19275	(17011608)	654479.81
4184006.98	0.17896	(17011608)		
654529.81	4184006.98	0.16116	(17022408)	654579.81
4184006.98	0.17090	(17022408)		
654629.81	4184006.98	0.17699	(17022408)	654679.81
4184006.98	0.17910	(17022408)		
654729.81	4184006.98	0.17717	(17022408)	654779.81
4184006.98	0.17141	(17022408)		
654829.81	4184006.98	0.16232	(17022408)	654879.81
4184006.98	0.15054	(17022408)		
654929.81	4184006.98	0.13686	(17022408)	654979.81
4184006.98	0.12786	(17010908)		
655029.81	4184006.98	0.12335	(17010908)	655079.81
4184006.98	0.11726	(17010908)		
655129.81	4184006.98	0.11150	(17120508)	

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
652679.81	4181556.98	0.01716c	(17121108)	652729.81
4181556.98	0.01668	(17022208)		
652779.81	4181556.98	0.01792	(17121508)	652829.81
4181556.98	0.01897	(17121508)		
652879.81	4181556.98	0.01959	(17121508)	652929.81
4181556.98	0.01971	(17121508)		
652979.81	4181556.98	0.01927	(17121508)	653029.81
4181556.98	0.01826	(17121508)		

4181556.98	653079.81	4181556.98	0.01976	(17020116)	653129.81
4181556.98	653179.81	4181556.98	0.02257	(17020116)	653229.81
4181556.98	653279.81	4181556.98	0.02483	(17020116)	653329.81
4181556.98	653379.81	4181556.98	0.02624	(17020116)	653429.81
4181556.98	653479.81	4181556.98	0.02653	(17020116)	653529.81
4181556.98	653579.81	4181556.98	0.02850	(17011616)	653629.81
4181556.98	653679.81	4181556.98	0.02923	(17011616)	653729.81
4181556.98	653779.81	4181556.98	0.02733	(17011616)	653829.81
4181556.98	653879.81	4181556.98	0.02465	(17011216)	653929.81
4181556.98	653979.81	4181556.98	0.02583	(17011216)	654029.81
4181556.98	654079.81	4181556.98	0.02571	(17011216)	654129.81
4181556.98	654179.81	4181556.98	0.02428	(17011216)	654229.81
4181556.98	654279.81	4181556.98	0.02184	(17011216)	654329.81
4181556.98	654379.81	4181556.98	0.01882	(17011216)	654429.81
4181556.98	654479.81	4181556.98	0.01572	(17011216)	654529.81
4181556.98	654579.81	4181556.98	0.01398	(17011708)	654629.81
4181556.98	654679.81	4181556.98	0.01704	(17011708)	654729.81
4181556.98	654779.81	4181556.98	0.01963	(17011708)	654829.81
4181556.98	654879.81	4181556.98	0.02135	(17011708)	654929.81
4181556.98	654979.81	4181556.98	0.02195	(17011708)	655029.81
4181556.98	655079.81	4181556.98	0.02133	(17011708)	655129.81
4181556.98	655179.81	4181556.98	0.01961	(17011708)	655229.81
4181556.98	655279.81	4181556.98	0.01710	(17011708)	655329.81
4181556.98	655379.81	4181556.98	0.01905	(17011208)	655429.81
4181556.98	655479.81	4181556.98	0.02093	(17011208)	655529.81
4181556.98	655579.81	4181556.98	0.02214	(17011208)	655629.81
4181556.98	655679.81	4181556.98	0.02260	(17011208)	655729.81
4181556.98	655779.81	4181556.98	0.02229	(17011208)	655829.81
4181556.98	655879.81	4181556.98	0.02130	(17011208)	655929.81
4181556.98	655979.81	4181556.98	0.01974	(17011208)	656029.81
4181556.98	656079.81	4181556.98	0.01897	(17012408)	656129.81
4181556.98	656179.81	4181556.98	0.01854	(17012408)	656229.81
4181556.98	656279.81	4181556.98	0.01758	(17012408)	656329.81
4181556.98	656379.81	4181556.98	0.01620	(17012408)	656429.81
4181556.98	656479.81	4181556.98	0.01630	(17011316)	656529.81
4181556.98	656579.81	4181556.98	0.01647	(17011316)	656629.81
4181556.98	656679.81	4181556.98	0.01627	(17011316)	656729.81
4181556.98	656779.81	4181556.98	0.01943c	(17121108)	656829.81
4181556.98	656879.81	4181556.98	0.01769c	(17121108)	656929.81
4181556.98	656979.81	4181556.98	0.01775	(17121508)	657029.81
4181556.98	657079.81	4181556.98	0.01911	(17121508)	657129.81
4181556.98	657179.81	4181556.98	0.02007	(17121508)	657229.81
4181556.98	657279.81	4181556.98	0.02054	(17121508)	657329.81
4181556.98	657379.81	4181556.98	0.02044	(17121508)	657429.81
4181556.98	657479.81	4181556.98	0.01973	(17121508)	657529.81

653079.81	4181606.98	0.01924	(17020116)	653129.81
4181606.98	0.02233	(17020116)		
653179.81	4181606.98	0.02499	(17020116)	653229.81
4181606.98	0.02687	(17020116)		
653279.81	4181606.98	0.02765	(17020116)	653329.81
4181606.98	0.02709	(17020116)		
653379.81	4181606.98	0.02513	(17020116)	653429.81
4181606.98	0.02670	(17011616)		
653479.81	4181606.98	0.02935	(17011616)	653529.81
4181606.98	0.03077	(17011616)		
653579.81	4181606.98	0.03064	(17011616)	653629.81
4181606.98	0.02885	(17011616)		
653679.81	4181606.98	0.02557	(17011616)	653729.81
4181606.98	0.02583	(17011216)		
653779.81	4181606.98	0.02711	(17011216)	653829.81
4181606.98	0.02697	(17011216)		
653879.81	4181606.98	0.02542	(17011216)	653929.81
4181606.98	0.02278	(17011216)		
653979.81	4181606.98	0.01955	(17011216)	654029.81
4181606.98	0.01629	(17011216)		
654079.81	4181606.98	0.01567	(17011708)	654129.81
4181606.98	0.01883	(17011708)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654179.81	4181606.98	0.02132	(17011708)	654229.81
4181606.98	0.02275	(17011708)		
654279.81	4181606.98	0.02287	(17011708)	654329.81
4181606.98	0.02170	(17011708)		
654379.81	4181606.98	0.01945	(17011708)	654429.81
4181606.98	0.01898	(17011208)		

654479.81	4181606.98	0.02125	(17011208)	654529.81
4181606.98	0.02285	(17011208)		
654579.81	4181606.98	0.02364	(17011208)	654629.81
4181606.98	0.02359	(17011208)		
654679.81	4181606.98	0.02274	(17011208)	654729.81
4181606.98	0.02121	(17011208)		
654779.81	4181606.98	0.01993	(17012408)	654829.81
4181606.98	0.01959	(17012408)		
654879.81	4181606.98	0.01864	(17012408)	654929.81
4181606.98	0.01721	(17012408)		
654979.81	4181606.98	0.01710	(17011316)	655029.81
4181606.98	0.01731	(17011316)		
655079.81	4181606.98	0.01709	(17011316)	655129.81
4181606.98	0.01652	(17011316)		
652679.81	4181656.98	0.02168c	(17121108)	652729.81
4181656.98	0.02013c	(17121108)		
652779.81	4181656.98	0.01823c	(17121108)	652829.81
4181656.98	0.01904	(17121508)		
652879.81	4181656.98	0.02035	(17121508)	652929.81
4181656.98	0.02120	(17121508)		
652979.81	4181656.98	0.02148	(17121508)	653029.81
4181656.98	0.02113	(17121508)		
653079.81	4181656.98	0.02010	(17121508)	653129.81
4181656.98	0.02196	(17020116)		
653179.81	4181656.98	0.02499	(17020116)	653229.81
4181656.98	0.02734	(17020116)		
653279.81	4181656.98	0.02865	(17020116)	653329.81
4181656.98	0.02860	(17020116)		
653379.81	4181656.98	0.02704	(17020116)	653429.81
4181656.98	0.02719	(17011616)		
653479.81	4181656.98	0.03021	(17011616)	653529.81
4181656.98	0.03198	(17011616)		
653579.81	4181656.98	0.03212	(17011616)	653629.81
4181656.98	0.03047	(17011616)		
653679.81	4181656.98	0.02715	(17011616)	653729.81
4181656.98	0.02712	(17011216)		
653779.81	4181656.98	0.02851	(17011216)	653829.81
4181656.98	0.02835	(17011216)		
653879.81	4181656.98	0.02666	(17011216)	653929.81
4181656.98	0.02381	(17011216)		
653979.81	4181656.98	0.02035	(17011216)	654029.81
4181656.98	0.01692	(17011216)		
654079.81	4181656.98	0.01753	(17011708)	654129.81
4181656.98	0.02074	(17011708)		
654179.81	4181656.98	0.02305	(17011708)	654229.81
4181656.98	0.02408	(17011708)		
654279.81	4181656.98	0.02365	(17011708)	654329.81
4181656.98	0.02186	(17011708)		
654379.81	4181656.98	0.01905	(17011708)	654429.81
4181656.98	0.02143	(17011208)		

654479.81	4181656.98	0.02347	(17011208)	654529.81
4181656.98	0.02466	(17011208)		
654579.81	4181656.98	0.02492	(17011208)	654629.81
4181656.98	0.02427	(17011208)		
654679.81	4181656.98	0.02283	(17011208)	654729.81
4181656.98	0.02095	(17012408)		
654779.81	4181656.98	0.02073	(17012408)	654829.81
4181656.98	0.01981	(17012408)		
654879.81	4181656.98	0.01832	(17012408)	654929.81
4181656.98	0.01798	(17011316)		
654979.81	4181656.98	0.01822	(17011316)	655029.81
4181656.98	0.01800	(17011316)		
655079.81	4181656.98	0.01738	(17011316)	655129.81
4181656.98	0.01745	(17030208)		
652679.81	4181706.98	0.02383c	(17121108)	652729.81
4181706.98	0.02257c	(17121108)		
652779.81	4181706.98	0.02087c	(17121108)	652829.81
4181706.98	0.01886	(17022208)		
652879.81	4181706.98	0.02041	(17121508)	652929.81
4181706.98	0.02165	(17121508)		
652979.81	4181706.98	0.02235	(17121508)	653029.81
4181706.98	0.02240	(17121508)		
653079.81	4181706.98	0.02174	(17121508)	653129.81
4181706.98	0.02145	(17020116)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653179.81	4181706.98	0.02483	(17020116)	653229.81
4181706.98	0.02765	(17020116)		
653279.81	4181706.98	0.02951	(17020116)	653329.81
4181706.98	0.03003	(17020116)		

653379.81	4181706.98	0.02896	(17020116)	653429.81
4181706.98	0.02764 (17011616)			
653479.81	4181706.98	0.03106	(17011616)	653529.81
4181706.98	0.03323 (17011616)			
653579.81	4181706.98	0.03369	(17011616)	653629.81
4181706.98	0.03221 (17011616)			
653679.81	4181706.98	0.02888	(17011616)	653729.81
4181706.98	0.02852 (17011216)			
653779.81	4181706.98	0.03004	(17011216)	653829.81
4181706.98	0.02986 (17011216)			
653879.81	4181706.98	0.02803	(17011216)	653929.81
4181706.98	0.02494 (17011216)			
653979.81	4181706.98	0.02124	(17011216)	654029.81
4181706.98	0.01763 (17011216)			
654079.81	4181706.98	0.01957	(17011708)	654129.81
4181706.98	0.02276 (17011708)			
654179.81	4181706.98	0.02479	(17011708)	654229.81
4181706.98	0.02530 (17011708)			
654279.81	4181706.98	0.02422	(17011708)	654329.81
4181706.98	0.02177 (17011708)			
654379.81	4181706.98	0.02144	(17011208)	654429.81
4181706.98	0.02397 (17011208)			
654479.81	4181706.98	0.02563	(17011208)	654529.81
4181706.98	0.02627 (17011208)			
654579.81	4181706.98	0.02588	(17011208)	654629.81
4181706.98	0.02456 (17011208)			
654679.81	4181706.98	0.02251	(17011208)	654729.81
4181706.98	0.02195 (17012408)			
654779.81	4181706.98	0.02107	(17012408)	654829.81
4181706.98	0.01955 (17012408)			
654879.81	4181706.98	0.01895	(17011316)	654929.81
4181706.98	0.01923 (17011316)			
654979.81	4181706.98	0.01900	(17011316)	655029.81
4181706.98	0.01832 (17011316)			
655079.81	4181706.98	0.01847	(17030208)	655129.81
4181706.98	0.01877 (17030208)			
652679.81	4181756.98	0.02579c	(17121108)	652729.81
4181756.98	0.02492c (17121108)			
652779.81	4181756.98	0.02353c	(17121108)	652829.81
4181756.98	0.02167c (17121108)			
652879.81	4181756.98	0.02024	(17121508)	652929.81
4181756.98	0.02186 (17121508)			
652979.81	4181756.98	0.02300	(17121508)	653029.81
4181756.98	0.02351 (17121508)			
653079.81	4181756.98	0.02328	(17121508)	653129.81
4181756.98	0.02226 (17121508)			
653179.81	4181756.98	0.02451	(17020116)	653229.81
4181756.98	0.02778 (17020116)			
653279.81	4181756.98	0.03021	(17020116)	653329.81
4181756.98	0.03135 (17020116)			

653379.81	4181756.98	0.03086	(17020116)	653429.81
4181756.98	0.02858	(17020116)		
653479.81	4181756.98	0.03190	(17011616)	653529.81
4181756.98	0.03450	(17011616)		
653579.81	4181756.98	0.03534	(17011616)	653629.81
4181756.98	0.03408	(17011616)		
653679.81	4181756.98	0.03075	(17011616)	653729.81
4181756.98	0.03006	(17011216)		
653779.81	4181756.98	0.03172	(17011216)	653829.81
4181756.98	0.03154	(17011216)		
653879.81	4181756.98	0.02954	(17011216)	653929.81
4181756.98	0.02619	(17011216)		
653979.81	4181756.98	0.02223	(17011216)	654029.81
4181756.98	0.01842	(17011216)		
654079.81	4181756.98	0.02180	(17011708)	654129.81
4181756.98	0.02487	(17011708)		
654179.81	4181756.98	0.02649	(17011708)	654229.81
4181756.98	0.02637	(17011708)		
654279.81	4181756.98	0.02455	(17011708)	654329.81
4181756.98	0.02139	(17011708)		
654379.81	4181756.98	0.02430	(17011208)	654429.81
4181756.98	0.02650	(17011208)		
654479.81	4181756.98	0.02762	(17011208)	654529.81
4181756.98	0.02757	(17011208)		
654579.81	4181756.98	0.02644	(17011208)	654629.81
4181756.98	0.02442	(17011208)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654679.81	4181756.98	0.02326	(17012408)	654729.81
4181756.98	0.02245	(17012408)		

654779.81	4181756.98	0.02090	(17012408)	654829.81
4181756.98	0.02001 (17011316)			
654879.81	4181756.98	0.02035	(17011316)	654929.81
4181756.98	0.02010 (17011316)			
654979.81	4181756.98	0.01936	(17011316)	655029.81
4181756.98	0.01959 (17030208)			
655079.81	4181756.98	0.01985	(17030208)	655129.81
4181756.98	0.01966 (17030208)			
652679.81	4181806.98	0.02746c	(17121108)	652729.81
4181806.98	0.02707c (17121108)			
652779.81	4181806.98	0.02610c	(17121108)	652829.81
4181806.98	0.02457c (17121108)			
652879.81	4181806.98	0.02252c	(17121108)	652929.81
4181806.98	0.02183 (17121508)			
652979.81	4181806.98	0.02340	(17121508)	653029.81
4181806.98	0.02440 (17121508)			
653079.81	4181806.98	0.02466	(17121508)	653129.81
4181806.98	0.02410 (17121508)			
653179.81	4181806.98	0.02403	(17020116)	653229.81
4181806.98	0.02773 (17020116)			
653279.81	4181806.98	0.03072	(17020116)	653329.81
4181806.98	0.03253 (17020116)			
653379.81	4181806.98	0.03269	(17020116)	653429.81
4181806.98	0.03095 (17020116)			
653479.81	4181806.98	0.03272	(17011616)	653529.81
4181806.98	0.03580 (17011616)			
653579.81	4181806.98	0.03707	(17011616)	653629.81
4181806.98	0.03608 (17011616)			
653679.81	4181806.98	0.03280	(17011616)	653729.81
4181806.98	0.03175 (17011216)			
653779.81	4181806.98	0.03359	(17011216)	653829.81
4181806.98	0.03339 (17011216)			
653879.81	4181806.98	0.03122	(17011216)	653929.81
4181806.98	0.02758 (17011216)			
653979.81	4181806.98	0.02333	(17011216)	654029.81
4181806.98	0.02019 (17011708)			
654079.81	4181806.98	0.02421	(17011708)	654129.81
4181806.98	0.02704 (17011708)			
654179.81	4181806.98	0.02812	(17011708)	654229.81
4181806.98	0.02722 (17011708)			
654279.81	4181806.98	0.02457	(17011708)	654329.81
4181806.98	0.02443 (17011208)			
654379.81	4181806.98	0.02725	(17011208)	654429.81
4181806.98	0.02893 (17011208)			
654479.81	4181806.98	0.02932	(17011208)	654529.81
4181806.98	0.02846 (17011208)			
654579.81	4181806.98	0.02651	(17011208)	654629.81
4181806.98	0.02467 (17012408)			
654679.81	4181806.98	0.02397	(17012408)	654729.81
4181806.98	0.02239 (17012408)			

654779.81	4181806.98	0.02120	(17011316)	654829.81
4181806.98	0.02159	(17011316)		
654879.81	4181806.98	0.02133	(17011316)	654929.81
4181806.98	0.02052	(17011316)		
654979.81	4181806.98	0.02083	(17030208)	655029.81
4181806.98	0.02103	(17030208)		
655079.81	4181806.98	0.02074	(17030208)	655129.81
4181806.98	0.02004	(17122708)		
652679.81	4181856.98	0.02873c	(17121108)	652729.81
4181856.98	0.02890c	(17121108)		
652779.81	4181856.98	0.02846c	(17121108)	652829.81
4181856.98	0.02739c	(17121108)		
652879.81	4181856.98	0.02569c	(17121108)	652929.81
4181856.98	0.02343c	(17121108)		
652979.81	4181856.98	0.02353	(17121508)	653029.81
4181856.98	0.02503	(17121508)		
653079.81	4181856.98	0.02583	(17121508)	653129.81
4181856.98	0.02580	(17121508)		
653179.81	4181856.98	0.02483	(17121508)	653229.81
4181856.98	0.02749	(17020116)		
653279.81	4181856.98	0.03103	(17020116)	653329.81
4181856.98	0.03352	(17020116)		
653379.81	4181856.98	0.03443	(17020116)	653429.81
4181856.98	0.03333	(17020116)		
653479.81	4181856.98	0.03351	(17011616)	653529.81
4181856.98	0.03712	(17011616)		
653579.81	4181856.98	0.03888	(17011616)	653629.81
4181856.98	0.03823	(17011616)		

▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

4181856.98	653679.81	4181856.98	0.03505	(17011616)	653729.81
4181856.98	0.03361	(17011216)			
4181856.98	653779.81	4181856.98	0.03565	(17011216)	653829.81
4181856.98	0.03546	(17011216)			
4181856.98	653879.81	4181856.98	0.03309	(17011216)	653929.81
4181856.98	0.02915	(17011216)			
4181856.98	653979.81	4181856.98	0.02457	(17011216)	654029.81
4181856.98	0.02277	(17011708)			
4181856.98	654079.81	4181856.98	0.02678	(17011708)	654129.81
4181856.98	0.02923	(17011708)			
4181856.98	654179.81	4181856.98	0.02959	(17011708)	654229.81
4181856.98	0.02779	(17011708)			
4181856.98	654279.81	4181856.98	0.02430	(17011208)	654329.81
4181856.98	0.02780	(17011208)			
4181856.98	654379.81	4181856.98	0.03016	(17011208)	654429.81
4181856.98	0.03111	(17011208)			
4181856.98	654479.81	4181856.98	0.03061	(17011208)	654529.81
4181856.98	0.02881	(17011208)			
4181856.98	654579.81	4181856.98	0.02619	(17012408)	654629.81
4181856.98	0.02564	(17012408)			
4181856.98	654679.81	4181856.98	0.02405	(17012408)	654729.81
4181856.98	0.02252	(17011316)			
4181856.98	654779.81	4181856.98	0.02299	(17011316)	654829.81
4181856.98	0.02271	(17011316)			
4181856.98	654879.81	4181856.98	0.02181	(17011316)	654929.81
4181856.98	0.02219	(17030208)			
4181856.98	654979.81	4181856.98	0.02232	(17030208)	655029.81
4181856.98	0.02191	(17030208)			
4181856.98	655079.81	4181856.98	0.02114	(17122708)	655129.81
4181856.98	0.02029	(17122708)			
4181906.98	652679.81	4181906.98	0.02953c	(17121108)	652729.81
4181906.98	0.03030c	(17121108)			
4181906.98	652779.81	4181906.98	0.03047c	(17121108)	652829.81
4181906.98	0.02998c	(17121108)			
4181906.98	652879.81	4181906.98	0.02879c	(17121108)	652929.81
4181906.98	0.02692c	(17121108)			
4181906.98	652979.81	4181906.98	0.02442c	(17121108)	653029.81
4181906.98	0.02536	(17121508)			
4181906.98	653079.81	4181906.98	0.02673	(17121508)	653129.81
4181906.98	0.02730	(17121508)			
4181906.98	653179.81	4181906.98	0.02689	(17121508)	653229.81
4181906.98	0.02706	(17020116)			
4181906.98	653279.81	4181906.98	0.03113	(17020116)	653329.81
4181906.98	0.03431	(17020116)			
4181906.98	653379.81	4181906.98	0.03601	(17020116)	653429.81
4181906.98	0.03568	(17020116)			
4181906.98	653479.81	4181906.98	0.03428	(17011616)	653529.81
4181906.98	0.03846	(17011616)			
4181906.98	653579.81	4181906.98	0.04077	(17011616)	653629.81
4181906.98	0.04054	(17011616)			

4181906.98	653679.81	4181906.98	0.03750	(17011616)	653729.81
		0.03567	(17011216)		
4181906.98	653779.81	4181906.98	0.03795	(17011216)	653829.81
		0.03778	(17011216)		
4181906.98	653879.81	4181906.98	0.03521	(17011216)	653929.81
		0.03091	(17011216)		
4181906.98	653979.81	4181906.98	0.02599	(17011216)	654029.81
		0.02563	(17011708)		
4181906.98	654079.81	4181906.98	0.02950	(17011708)	654129.81
		0.03138	(17011708)		
4181906.98	654179.81	4181906.98	0.03083	(17011708)	654229.81
		0.02799	(17011708)		
4181906.98	654279.81	4181906.98	0.02811	(17011208)	654329.81
		0.03126	(17011208)		
4181906.98	654379.81	4181906.98	0.03290	(17011208)	654429.81
		0.03289	(17011208)		
4181906.98	654479.81	4181906.98	0.03133	(17011208)	654529.81
		0.02855	(17011208)		
4181906.98	654579.81	4181906.98	0.02747	(17012408)	654629.81
		0.02590	(17012408)		
4181906.98	654679.81	4181906.98	0.02400	(17011316)	654729.81
		0.02456	(17011316)		
4181906.98	654779.81	4181906.98	0.02426	(17011316)	654829.81
		0.02326	(17011316)		
4181906.98	654879.81	4181906.98	0.02369	(17030208)	654929.81
		0.02373	(17030208)		
4181906.98	654979.81	4181906.98	0.02317	(17030208)	655029.81
		0.02232	(17122708)		
4181906.98	655079.81	4181906.98	0.02126	(17122708)	655129.81
		0.01987	(17122708)		

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

652679.81	4181956.98	0.02979c (17121108)	652729.81
4181956.98	0.03117c (17121108)		
652779.81	4181956.98	0.03201c (17121108)	652829.81
4181956.98	0.03220c (17121108)		
652879.81	4181956.98	0.03165c (17121108)	652929.81
4181956.98	0.03033c (17121108)		
652979.81	4181956.98	0.02825c (17121108)	653029.81
4181956.98	0.02547c (17121108)		
653079.81	4181956.98	0.02731 (17121508)	653129.81
4181956.98	0.02852 (17121508)		
653179.81	4181956.98	0.02877 (17121508)	653229.81
4181956.98	0.02791 (17121508)		
653279.81	4181956.98	0.03101 (17020116)	653329.81
4181956.98	0.03486 (17020116)		
653379.81	4181956.98	0.03739 (17020116)	653429.81
4181956.98	0.03795 (17020116)		
653479.81	4181956.98	0.03604 (17020116)	653529.81
4181956.98	0.03980 (17011616)		
653579.81	4181956.98	0.04275 (17011616)	653629.81
4181956.98	0.04302 (17011616)		
653679.81	4181956.98	0.04019 (17011616)	653729.81
4181956.98	0.03796 (17011216)		
653779.81	4181956.98	0.04054 (17011216)	653829.81
4181956.98	0.04041 (17011216)		
653879.81	4181956.98	0.03761 (17011216)	653929.81
4181956.98	0.03293 (17011216)		
653979.81	4181956.98	0.02762 (17011216)	654029.81
4181956.98	0.02875 (17011708)		
654079.81	4181956.98	0.03232 (17011708)	654129.81
4181956.98	0.03342 (17011708)		
654179.81	4181956.98	0.03176 (17011708)	654229.81
4181956.98	0.02810 (17011208)		
654279.81	4181956.98	0.03214 (17011208)	654329.81
4181956.98	0.03463 (17011208)		
654379.81	4181956.98	0.03527 (17011208)	654429.81
4181956.98	0.03408 (17011208)		
654479.81	4181956.98	0.03135 (17011208)	654529.81
4181956.98	0.02948 (17012408)		
654579.81	4181956.98	0.02796 (17012408)	654629.81
4181956.98	0.02567 (17011316)		
654679.81	4181956.98	0.02633 (17011316)	654729.81
4181956.98	0.02602 (17011316)		
654779.81	4181956.98	0.02489 (17011316)	654829.81
4181956.98	0.02536 (17030208)		
654879.81	4181956.98	0.02529 (17030208)	654929.81
4181956.98	0.02454 (17030208)		
654979.81	4181956.98	0.02358 (17122708)	655029.81
4181956.98	0.02230 (17122708)		

655079.81	4181956.98	0.02065	(17122708)	655129.81
4181956.98	0.01879	(17122708)		
652679.81	4182006.98	0.02947c	(17121108)	652729.81
4182006.98	0.03146c	(17121108)		
652779.81	4182006.98	0.03298c	(17121108)	652829.81
4182006.98	0.03390c	(17121108)		
652879.81	4182006.98	0.03411c	(17121108)	652929.81
4182006.98	0.03350c	(17121108)		
652979.81	4182006.98	0.03203c	(17121108)	653029.81
4182006.98	0.02971c	(17121108)		
653079.81	4182006.98	0.02753	(17121508)	653129.81
4182006.98	0.02940	(17121508)		
653179.81	4182006.98	0.03037	(17121508)	653229.81
4182006.98	0.03023	(17121508)		
653279.81	4182006.98	0.03067	(17020116)	653329.81
4182006.98	0.03516	(17020116)		
653379.81	4182006.98	0.03854	(17020116)	653429.81
4182006.98	0.04006	(17020116)		
653479.81	4182006.98	0.03906	(17020116)	653529.81
4182006.98	0.04113	(17011616)		
653579.81	4182006.98	0.04479	(17011616)	653629.81
4182006.98	0.04567	(17011616)		
653679.81	4182006.98	0.04315	(17011616)	653729.81
4182006.98	0.04053	(17011216)		
653779.81	4182006.98	0.04348	(17011216)	653829.81
4182006.98	0.04341	(17011216)		
653879.81	4182006.98	0.04038	(17011216)	653929.81
4182006.98	0.03527	(17011216)		
653979.81	4182006.98	0.02951	(17011216)	654029.81
4182006.98	0.03215	(17011708)		
654079.81	4182006.98	0.03518	(17011708)	654129.81
4182006.98	0.03523	(17011708)		

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Manteca\Maverik Manteca_operations\Mave *** 03/03/22

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
4182006.98	654179.81	4182006.98	0.03226	(17011708)	654229.81
4182006.98	654279.81	0.03273 (17011208)	0.03624	(17011208)	654329.81
4182006.98	654379.81	4182006.98	0.03707	(17011208)	654429.81
4182006.98	654479.81	0.03452 (17011208)	0.03170	(17012408)	654529.81
4182006.98	654579.81	4182006.98	0.02755	(17011316)	654629.81
4182006.98	654679.81	0.02835 (17011316)	0.02802	(17011316)	654729.81
4182006.98	654779.81	4182006.98	0.02723	(17030208)	654829.81
4182006.98	654879.81	0.02701 (17030208)	0.02604	(17030208)	654929.81
4182006.98	654979.81	4182006.98	0.02493 (17122708)	0.02337 (17122708)	655029.81
4182006.98	655079.81	0.02146 (17122708)	0.01933 (17122708)	0.01933 (17122708)	655129.81
4182056.98	652679.81	4182056.98	0.02858c (17121108)	0.02858c (17121108)	652729.81
4182056.98	652779.81	0.03112c (17121108)	0.03330c (17121108)	0.03330c (17121108)	652829.81
4182056.98	652879.81	4182056.98	0.03498c (17121108)	0.03600c (17121108)	652929.81
4182056.98	652979.81	0.03623c (17121108)	0.03556c (17121108)	0.03556c (17121108)	653029.81
4182056.98	653079.81	4182056.98	0.03392c (17121108)	0.03132c (17121108)	653129.81
4182056.98	653179.81	0.02989 (17121508)	0.03163 (17121508)	0.03163 (17121508)	653229.81
4182056.98	653279.81	4182056.98	0.03229 (17121508)	0.03164 (17121508)	653329.81
4182056.98	653379.81	0.03520 (17020116)	0.03942 (17020116)	0.03942 (17020116)	653429.81
4182056.98	653479.81	4182056.98	0.04197 (17020116)	0.04202 (17020116)	653529.81
4182056.98	653579.81	0.04246 (17011616)	0.04691 (17011616)	0.04691 (17011616)	653629.81
4182056.98	653679.81	4182056.98	0.04850 (17011616)	0.04640 (17011616)	653729.81
4182056.98	653779.81	0.04343 (17011216)	0.04682 (17011216)	0.04682 (17011216)	653829.81
4182056.98	653879.81	4182056.98	0.04688 (17011216)	0.04359 (17011216)	653929.81
4182056.98	653979.81	0.03799 (17011216)			

653979.81	4182056.98	0.03172	(17011216)	654029.81
4182056.98	0.03577	(17011708)		
654079.81	4182056.98	0.03799	(17011708)	654129.81
4182056.98	0.03669	(17011708)		
654179.81	4182056.98	0.03292	(17011208)	654229.81
4182056.98	0.03763	(17011208)		
654279.81	4182056.98	0.04019	(17011208)	654329.81
4182056.98	0.04027	(17011208)		
654379.81	4182056.98	0.03804	(17011208)	654429.81
4182056.98	0.03415	(17012408)		
654479.81	4182056.98	0.03289	(17012408)	654529.81
4182056.98	0.03003	(17012408)		
654579.81	4182056.98	0.03066	(17011316)	654629.81
4182056.98	0.03032	(17011316)		
654679.81	4182056.98	0.02888	(17011316)	654729.81
4182056.98	0.02932	(17030208)		
654779.81	4182056.98	0.02891	(17030208)	654829.81
4182056.98	0.02772	(17122708)		
654879.81	4182056.98	0.02638	(17122708)	654929.81
4182056.98	0.02450	(17122708)		
654979.81	4182056.98	0.02226	(17122708)	655029.81
4182056.98	0.01983	(17122708)		
655079.81	4182056.98	0.01887	(17022308)	655129.81
4182056.98	0.01892	(17022308)		
652679.81	4182106.98	0.02715c	(17121108)	652729.81
4182106.98	0.03015c	(17121108)		
652779.81	4182106.98	0.03292c	(17121108)	652829.81
4182106.98	0.03532c	(17121108)		
652879.81	4182106.98	0.03717c	(17121108)	652929.81
4182106.98	0.03832c	(17121108)		
652979.81	4182106.98	0.03859c	(17121108)	653029.81
4182106.98	0.03785c	(17121108)		
653079.81	4182106.98	0.03602c	(17121108)	653129.81
4182106.98	0.03311c	(17121108)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653179.81	4182106.98	0.03246	(17121508)	653229.81
4182106.98	0.03400 (17121508)			
653279.81	4182106.98	0.03426	(17121508)	653329.81
4182106.98	0.03499 (17020116)			
653379.81	4182106.98	0.04000	(17020116)	653429.81
4182106.98	0.04361 (17020116)			
653479.81	4182106.98	0.04486	(17020116)	653529.81
4182106.98	0.04377 (17011616)			
653579.81	4182106.98	0.04909	(17011616)	653629.81
4182106.98	0.05153 (17011616)			
653679.81	4182106.98	0.04997	(17011616)	653729.81
4182106.98	0.04673 (17011216)			
653779.81	4182106.98	0.05069	(17011216)	653829.81
4182106.98	0.05092 (17011216)			
653879.81	4182106.98	0.04736	(17011216)	653929.81
4182106.98	0.04120 (17011216)			
653979.81	4182106.98	0.03490	(17011708)	654029.81
4182106.98	0.03958 (17011708)			
654079.81	4182106.98	0.04063	(17011708)	654129.81
4182106.98	0.03767 (17011708)			
654179.81	4182106.98	0.03866	(17011208)	654229.81
4182106.98	0.04257 (17011208)			
654279.81	4182106.98	0.04368	(17011208)	654329.81
4182106.98	0.04198 (17011208)			
654379.81	4182106.98	0.03798	(17011208)	654429.81
4182106.98	0.03585 (17012408)			
654479.81	4182106.98	0.03288	(17012408)	654529.81
4182106.98	0.03333 (17011316)			
654579.81	4182106.98	0.03297	(17011316)	654629.81
4182106.98	0.03133 (17011316)			
654679.81	4182106.98	0.03167	(17030208)	654729.81
4182106.98	0.03101 (17030208)			
654779.81	4182106.98	0.02964	(17122708)	654829.81
4182106.98	0.02793 (17122708)			
654879.81	4182106.98	0.02567	(17122708)	654929.81
4182106.98	0.02306 (17122708)			
654979.81	4182106.98	0.02030	(17122708)	655029.81
4182106.98	0.02048 (17022308)			
655079.81	4182106.98	0.02029	(17022308)	655129.81
4182106.98	0.01976 (17022308)			
652679.81	4182156.98	0.02525c	(17121108)	652729.81
4182156.98	0.02859c (17121108)			
652779.81	4182156.98	0.03185c	(17121108)	652829.81
4182156.98	0.03489c (17121108)			

4182156.98	652879.81	4182156.98	0.03755c (17121108)	652929.81
			0.03962c (17121108)	
4182156.98	652979.81	4182156.98	0.04092c (17121108)	653029.81
			0.04125c (17121108)	
4182156.98	653079.81	4182156.98	0.04044c (17121108)	653129.81
			0.03839c (17121108)	
4182156.98	653179.81	4182156.98	0.03511c (17121108)	653229.81
			0.03526 (17121508)	
4182156.98	653279.81	4182156.98	0.03652 (17121508)	653329.81
			0.03624 (17121508)	
4182156.98	653379.81	4182156.98	0.04029 (17020116)	653429.81
			0.04494 (17020116)	
4182156.98	653479.81	4182156.98	0.04749 (17020116)	653529.81
			0.04685 (17020116)	
4182156.98	653579.81	4182156.98	0.05132 (17011616)	653629.81
			0.05474 (17011616)	
4182156.98	653679.81	4182156.98	0.05391 (17011616)	653729.81
			0.05052 (17011216)	
4182156.98	653779.81	4182156.98	0.05519 (17011216)	653829.81
			0.05569 (17011216)	
4182156.98	653879.81	4182156.98	0.05185 (17011216)	653929.81
			0.04500 (17011216)	
4182156.98	653979.81	4182156.98	0.03955 (17011708)	654029.81
			0.04349 (17011708)	
4182156.98	654079.81	4182156.98	0.04294 (17011708)	654129.81
			0.03917 (17011208)	
4182156.98	654179.81	4182156.98	0.04472 (17011208)	654229.81
			0.04722 (17011208)	
4182156.98	654279.81	4182156.98	0.04634 (17011208)	654329.81
			0.04254 (17011208)	
4182156.98	654379.81	4182156.98	0.03920 (17012408)	654429.81
			0.03617 (17012408)	
4182156.98	654479.81	4182156.98	0.03646 (17011316)	654529.81
			0.03607 (17011316)	
4182156.98	654579.81	4182156.98	0.03418 (17011316)	654629.81
			0.03434 (17030208)	

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	(YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)
4182156.98	654679.81	4182156.98		0.03337	(17030208)	654729.81
4182156.98	654779.81	4182156.98	(17122708)	0.02959	(17122708)	654829.81
4182156.98	654879.81	4182156.98	(17122708)	0.02383	(17122708)	654929.81
4182156.98	654979.81	4182156.98	(17022308)	0.02215	(17022308)	655029.81
4182156.98	655079.81	4182156.98	(17022308)	0.02083	(17022308)	655129.81
4182206.98	652679.81	4182206.98	(17121108)	0.02347	(17020108)	652729.81
4182206.98	652779.81	4182206.98	(17121108)	0.03015c	(17121108)	652829.81
4182206.98	652879.81	4182206.98	(17121108)	0.03708c	(17121108)	652929.81
4182206.98	652979.81	4182206.98	(17121108)	0.04236c	(17121108)	653029.81
4182206.98	653079.81	4182206.98	(17121108)	0.04425c	(17121108)	653129.81
4182206.98	653179.81	4182206.98	(17121108)	0.04108c	(17121108)	653229.81
4182206.98	653279.81	4182206.98	(17121108)	0.03831	(17121508)	653329.81
4182206.98	653379.81	4182206.98	(17121508)	0.04029	(17020116)	653429.81
4182206.98	653479.81	4182206.98	(17020116)	0.04984	(17020116)	653529.81
4182206.98	653579.81	4182206.98	(17020116)	0.05361	(17011616)	653629.81
4182206.98	653679.81	4182206.98	(17011616)	0.05824	(17011616)	653729.81
4182206.98	653779.81	4182206.98	(17011216)	0.06048	(17011216)	653829.81
4182206.98	653879.81	4182206.98	(17011216)	0.05722	(17011216)	653929.81
4182206.98	653979.81	4182206.98	(17011216)	0.04463	(17011708)	654029.81
4182206.98	654079.81	4182206.98	(17011708)	0.04470	(17011708)	654129.81
4182206.98	654179.81	4182206.98	(17011208)	0.05077	(17011208)	654229.81
4182206.98	654179.81	4182206.98	(17011208)	0.05114	(17011208)	654229.81

654279.81	4182206.98	0.04775	(17011208)	654329.81
4182206.98	0.04301	(17012408)		
654379.81	4182206.98	0.03999	(17012408)	654429.81
4182206.98	0.04014	(17011316)		
654479.81	4182206.98	0.03974	(17011316)	654529.81
4182206.98	0.03753	(17011316)		
654579.81	4182206.98	0.03737	(17030208)	654629.81
4182206.98	0.03599	(17030208)		
654679.81	4182206.98	0.03403	(17122708)	654729.81
4182206.98	0.03134	(17122708)		
654779.81	4182206.98	0.02808	(17122708)	654829.81
4182206.98	0.02456	(17122708)		
654879.81	4182206.98	0.02427	(17022308)	654929.81
4182206.98	0.02388	(17022308)		
654979.81	4182206.98	0.02303	(17022308)	655029.81
4182206.98	0.02183	(17022308)		
655079.81	4182206.98	0.02038	(17022308)	655129.81
4182206.98	0.01877	(17022308)		
652679.81	4182256.98	0.02451	(17020108)	652729.81
4182256.98	0.02514	(17020108)		
652779.81	4182256.98	0.02792c	(17121108)	652829.81
4182256.98	0.03188c	(17121108)		
652879.81	4182256.98	0.03580c	(17121108)	652929.81
4182256.98	0.03951c	(17121108)		
652979.81	4182256.98	0.04281c	(17121108)	653029.81
4182256.98	0.04545c	(17121108)		
653079.81	4182256.98	0.04717c	(17121108)	653129.81
4182256.98	0.04768c	(17121108)		
653179.81	4182256.98	0.04673c	(17121108)	653229.81
4182256.98	0.04416c	(17121108)		
653279.81	4182256.98	0.03992c	(17121108)	653329.81
4182256.98	0.04165	(17121508)		
653379.81	4182256.98	0.04202	(17121508)	653429.81
4182256.98	0.04662	(17020116)		
653479.81	4182256.98	0.05185	(17020116)	653529.81
4182256.98	0.05437	(17020116)		
653579.81	4182256.98	0.05594	(17011616)	653629.81
4182256.98	0.06178	(17011616)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

		** CONC OF PM ₁₀ IN MICROGRAMS/M**3		
**				
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653679.81	4182256.98	0.06301	(17011616)	653729.81
4182256.98	0.06005	(17011216)		
653779.81	4182256.98	0.06678	(17011216)	653829.81
4182256.98	0.06820	(17011216)		
653879.81	4182256.98	0.06371	(17011216)	653929.81
4182256.98	0.05496	(17011216)		
653979.81	4182256.98	0.05007	(17011708)	654029.81
4182256.98	0.05097	(17011708)		
654079.81	4182256.98	0.04754	(17011208)	654129.81
4182256.98	0.05417	(17011208)		
654179.81	4182256.98	0.05631	(17011208)	654229.81
4182256.98	0.05376	(17011208)		
654279.81	4182256.98	0.04751	(17011208)	654329.81
4182256.98	0.04447	(17012408)		
654379.81	4182256.98	0.04453	(17011316)	654429.81
4182256.98	0.04413	(17011316)		
654479.81	4182256.98	0.04152	(17011316)	654529.81
4182256.98	0.04085	(17030208)		
654579.81	4182256.98	0.03893	(17030208)	654629.81
4182256.98	0.03654	(17122708)		
654679.81	4182256.98	0.03319	(17122708)	654729.81
4182256.98	0.02930	(17122708)		
654779.81	4182256.98	0.02668	(17022308)	654829.81
4182256.98	0.02643	(17022308)		
654879.81	4182256.98	0.02561	(17022308)	654929.81
4182256.98	0.02432	(17022308)		
654979.81	4182256.98	0.02270	(17022308)	655029.81
4182256.98	0.02087	(17022308)		
655079.81	4182256.98	0.01894	(17022308)	655129.81
4182256.98	0.01712	(17122508)		
652679.81	4182306.98	0.02478	(17020108)	652729.81
4182306.98	0.02599	(17020108)		
652779.81	4182306.98	0.02690	(17020108)	652829.81
4182306.98	0.02944c	(17121108)		
652879.81	4182306.98	0.03378c	(17121108)	652929.81
4182306.98	0.03810c	(17121108)		
652979.81	4182306.98	0.04222c	(17121108)	653029.81
4182306.98	0.04592c	(17121108)		
653079.81	4182306.98	0.04894c	(17121108)	653129.81
4182306.98	0.05095c	(17121108)		

653179.81	4182306.98	0.05161c (17121108)	653229.81
4182306.98	0.05060c (17121108)		
653279.81	4182306.98	0.04770c (17121108)	653329.81
4182306.98	0.04348 (17121508)		
653379.81	4182306.98	0.04535 (17121508)	653429.81
4182306.98	0.04696 (17020116)		
653479.81	4182306.98	0.05348 (17020116)	653529.81
4182306.98	0.05775 (17020116)		
653579.81	4182306.98	0.05833 (17011616)	653629.81
4182306.98	0.06560 (17011616)		
653679.81	4182306.98	0.06825 (17011616)	653729.81
4182306.98	0.06610 (17011216)		
653779.81	4182306.98	0.07433 (17011216)	653829.81
4182306.98	0.07654 (17011216)		
653879.81	4182306.98	0.07167 (17011216)	653929.81
4182306.98	0.06150 (17011216)		
653979.81	4182306.98	0.05576 (17011708)	654029.81
4182306.98	0.05407 (17011708)		
654079.81	4182306.98	0.05711 (17011208)	654129.81
4182306.98	0.06176 (17011208)		
654179.81	4182306.98	0.06063 (17011208)	654229.81
4182306.98	0.05450 (17011208)		
654279.81	4182306.98	0.04975 (17012408)	654329.81
4182306.98	0.04981 (17011316)		
654379.81	4182306.98	0.04942 (17011316)	654429.81
4182306.98	0.04631 (17011316)		
654479.81	4182306.98	0.04486 (17030208)	654529.81
4182306.98	0.04243 (17122708)		
654579.81	4182306.98	0.03928 (17122708)	654629.81
4182306.98	0.03512 (17122708)		
654679.81	4182306.98	0.03048 (17122708)	654729.81
4182306.98	0.02942 (17022308)		
654779.81	4182306.98	0.02866 (17022308)	654829.81
4182306.98	0.02729 (17022308)		
654879.81	4182306.98	0.02548 (17022308)	654929.81
4182306.98	0.02339 (17022308)		
654979.81	4182306.98	0.02116 (17022308)	655029.81
4182306.98	0.01914 (17122508)		
655079.81	4182306.98	0.01939 (17122508)	655129.81
4182306.98	0.01946 (17122508)		

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*** AERMET - VERSION 18081 *** ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**				
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

652679.81	4182356.98	0.02558	(17120608)	652729.81
4182356.98	0.02596	(17020108)		
652779.81	4182356.98	0.02750	(17020108)	652829.81
4182356.98	0.02874	(17020108)		
652879.81	4182356.98	0.03114c	(17121108)	652929.81
4182356.98	0.03588c	(17121108)		
652979.81	4182356.98	0.04065c	(17121108)	653029.81
4182356.98	0.04524c	(17121108)		
653079.81	4182356.98	0.04943c	(17121108)	653129.81
4182356.98	0.05290c	(17121108)		
653179.81	4182356.98	0.05528c	(17121108)	653229.81
4182356.98	0.05616c	(17121108)		
653279.81	4182356.98	0.05512c	(17121108)	653329.81
4182356.98	0.05185c	(17121108)		
653379.81	4182356.98	0.04790	(17121508)	653429.81
4182356.98	0.04937	(17121508)		
653479.81	4182356.98	0.05471	(17020116)	653529.81
4182356.98	0.06075	(17020116)		
653579.81	4182356.98	0.06326	(17020116)	653629.81
4182356.98	0.06965	(17011616)		
653679.81	4182356.98	0.07400	(17011616)	653729.81
4182356.98	0.07332	(17011216)		
653779.81	4182356.98	0.08351	(17011216)	653829.81
4182356.98	0.08688	(17011216)		
653879.81	4182356.98	0.08156	(17011216)	653929.81
4182356.98	0.06943	(17011216)		
653979.81	4182356.98	0.06149	(17011708)	654029.81
4182356.98	0.05917	(17011208)		
654079.81	4182356.98	0.06724	(17011208)	654129.81
4182356.98	0.06842	(17011208)		
654179.81	4182356.98	0.06289	(17011208)	654229.81
4182356.98	0.05605	(17012408)		
654279.81	4182356.98	0.05628	(17011316)	654329.81
4182356.98	0.05593	(17011316)		
654379.81	4182356.98	0.05215	(17011316)	654429.81
4182356.98	0.04952	(17030208)		
654479.81	4182356.98	0.04642	(17122708)	654529.81
4182356.98	0.04227	(17122708)		

654579.81	4182356.98	0.03711	(17122708)	654629.81
4182356.98	0.03292	(17022308)		
654679.81	4182356.98	0.03231	(17022308)	654729.81
4182356.98	0.03088	(17022308)		
654779.81	4182356.98	0.02885	(17022308)	654829.81
4182356.98	0.02643	(17022308)		
654879.81	4182356.98	0.02382	(17022308)	654929.81
4182356.98	0.02156	(17122508)		
654979.81	4182356.98	0.02177	(17122508)	655029.81
4182356.98	0.02177	(17122508)		
655079.81	4182356.98	0.02157	(17122508)	655129.81
4182356.98	0.02121	(17122508)		
652679.81	4182406.98	0.02765	(17120608)	652729.81
4182406.98	0.02815	(17120608)		
652779.81	4182406.98	0.02842	(17120608)	652829.81
4182406.98	0.02902	(17020108)		
652879.81	4182406.98	0.03060	(17020108)	652929.81
4182406.98	0.03299c	(17121108)		
652979.81	4182406.98	0.03821c	(17121108)	653029.81
4182406.98	0.04350c	(17121108)		
653079.81	4182406.98	0.04865c	(17121108)	653129.81
4182406.98	0.05341c	(17121108)		
653179.81	4182406.98	0.05744c	(17121108)	653229.81
4182406.98	0.06032c	(17121108)		
653279.81	4182406.98	0.06153c	(17121108)	653329.81
4182406.98	0.06052c	(17121108)		
653379.81	4182406.98	0.05685c	(17121108)	653429.81
4182406.98	0.05306	(17121508)		
653479.81	4182406.98	0.05561	(17020116)	653529.81
4182406.98	0.06333	(17020116)		
653579.81	4182406.98	0.06818	(17020116)	653629.81
4182406.98	0.07395	(17011616)		
653679.81	4182406.98	0.08032	(17011616)	653729.81
4182406.98	0.08206	(17011216)		
653779.81	4182406.98	0.09488	(17011216)	653829.81
4182406.98	0.09992	(17011216)		
653879.81	4182406.98	0.09404	(17011216)	653929.81
4182406.98	0.07908	(17011216)		
653979.81	4182406.98	0.06695	(17011708)	654029.81
4182406.98	0.07230	(17011208)		
654079.81	4182406.98	0.07705	(17011208)	654129.81
4182406.98	0.07299	(17011208)		

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 *** ***
 *** 11:24:15

VALUES FOR SOURCE GROUP: ALL *** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654179.81	4182406.98	0.06365	(17012408)	654229.81
4182406.98	0.06436	(17011316)		
654279.81	4182406.98	0.06408	(17011316)	654329.81
4182406.98	0.05941	(17011316)		
654379.81	4182406.98	0.05498	(17030208)	654429.81
4182406.98	0.05094	(17122708)		
654479.81	4182406.98	0.04550	(17122708)	654529.81
4182406.98	0.03911	(17122708)		
654579.81	4182406.98	0.03673	(17022308)	654629.81
4182406.98	0.03528	(17022308)		
654679.81	4182406.98	0.03300	(17022308)	654729.81
4182406.98	0.03018	(17022308)		
654779.81	4182406.98	0.02708	(17022308)	654829.81
4182406.98	0.02453	(17122508)		
654879.81	4182406.98	0.02467	(17122508)	654929.81
4182406.98	0.02455	(17122508)		
654979.81	4182406.98	0.02419	(17122508)	655029.81
4182406.98	0.02365	(17122508)		
655079.81	4182406.98	0.02295	(17122508)	655129.81
4182406.98	0.02213	(17122508)		
652679.81	4182456.98	0.02898	(17120608)	652729.81
4182456.98	0.03003	(17120608)		
652779.81	4182456.98	0.03089	(17120608)	652829.81
4182456.98	0.03151	(17120608)		
652879.81	4182456.98	0.03184	(17120608)	652929.81
4182456.98	0.03256	(17020108)		
652979.81	4182456.98	0.03510c	(17121108)	653029.81
4182456.98	0.04085c	(17121108)		
653079.81	4182456.98	0.04672c	(17121108)	653129.81
4182456.98	0.05252c	(17121108)		
653179.81	4182456.98	0.05800c	(17121108)	653229.81
4182456.98	0.06276c	(17121108)		
653279.81	4182456.98	0.06631c	(17121108)	653329.81
4182456.98	0.06799c	(17121108)		
653379.81	4182456.98	0.06707c	(17121108)	653429.81
4182456.98	0.06297c	(17121108)		

653479.81	4182456.98	0.05911	(17121508)	653529.81
4182456.98	0.06552 (17020116)			
653579.81	4182456.98	0.07275	(17020116)	653629.81
4182456.98	0.07856 (17011616)			
653679.81	4182456.98	0.08729	(17011616)	653729.81
4182456.98	0.09284 (17011216)			
653779.81	4182456.98	0.10921	(17011216)	653829.81
4182456.98	0.11674 (17011216)			
653879.81	4182456.98	0.11008	(17011216)	653929.81
4182456.98	0.09086 (17011216)			
653979.81	4182456.98	0.07623	(17011208)	654029.81
4182456.98	0.08629 (17011208)			
654079.81	4182456.98	0.08513	(17011208)	654129.81
4182456.98	0.07412 (17011208)			
654179.81	4182456.98	0.07467	(17011316)	654229.81
4182456.98	0.07452 (17011316)			
654279.81	4182456.98	0.06862	(17011316)	654329.81
4182456.98	0.06144 (17030208)			
654379.81	4182456.98	0.05607	(17122708)	654429.81
4182456.98	0.04894 (17122708)			
654479.81	4182456.98	0.04213	(17022308)	654529.81
4182456.98	0.04075 (17022308)			
654579.81	4182456.98	0.03819	(17022308)	654629.81
4182456.98	0.03487 (17022308)			
654679.81	4182456.98	0.03115	(17022308)	654729.81
4182456.98	0.02822 (17122508)			
654779.81	4182456.98	0.02825	(17122508)	654829.81
4182456.98	0.02794 (17122508)			
654879.81	4182456.98	0.02735	(17122508)	654929.81
4182456.98	0.02655 (17122508)			
654979.81	4182456.98	0.02557	(17122508)	655029.81
4182456.98	0.02447 (17122508)			
655079.81	4182456.98	0.02328	(17122508)	655129.81
4182456.98	0.02205 (17122508)			
652679.81	4182506.98	0.03089	(17021308)	652729.81
4182506.98	0.03109 (17021308)			
652779.81	4182506.98	0.03246	(17120608)	652829.81
4182506.98	0.03375 (17120608)			
652879.81	4182506.98	0.03481	(17120608)	652929.81
4182506.98	0.03562 (17120608)			
652979.81	4182506.98	0.03611	(17120608)	653029.81
4182506.98	0.03750c (17121108)			
653079.81	4182506.98	0.04385c	(17121108)	653129.81
4182506.98	0.05041c (17121108)			

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Manteca\Maverik Manteca_operations\Mave *** 03/03/22

*** AERMET - VERSION 18081 ***

*** 11:24:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653179.81	4182506.98	0.05700c	(17121108)	653229.81
4182506.98	0.06336c	(17121108)		
653279.81	4182506.98	0.06907c	(17121108)	653329.81
4182506.98	0.07352c	(17121108)		
653379.81	4182506.98	0.07586c	(17121108)	653429.81
4182506.98	0.07519c	(17121108)		
653479.81	4182506.98	0.07058c	(17121108)	653529.81
4182506.98	0.06730	(17020116)		
653579.81	4182506.98	0.07694	(17020116)	653629.81
4182506.98	0.08361	(17011616)		
653679.81	4182506.98	0.09503	(17011616)	653729.81
4182506.98	0.10646	(17011216)		
653779.81	4182506.98	0.12776	(17011216)	653829.81
4182506.98	0.13899	(17011216)		
653879.81	4182506.98	0.13115	(17011216)	653929.81
4182506.98	0.10519	(17011216)		
653979.81	4182506.98	0.09546	(17011208)	654029.81
4182506.98	0.09960	(17011208)		
654079.81	4182506.98	0.08944	(17011208)	654129.81
4182506.98	0.08826	(17011316)		
654179.81	4182506.98	0.08834	(17011316)	654229.81
4182506.98	0.08058	(17011316)		
654279.81	4182506.98	0.06922	(17122708)	654329.81
4182506.98	0.06189	(17122708)		
654379.81	4182506.98	0.05256	(17122708)	654429.81
4182506.98	0.04769	(17022308)		
654479.81	4182506.98	0.04484	(17022308)	654529.81
4182506.98	0.04087	(17022308)		
654579.81	4182506.98	0.03632	(17022308)	654629.81
4182506.98	0.03291	(17122508)		
654679.81	4182506.98	0.03274	(17122508)	654729.81
4182506.98	0.03214	(17122508)		
654779.81	4182506.98	0.03120	(17122508)	654829.81
4182506.98	0.03002	(17122508)		

654879.81	4182506.98	0.02866	(17122508)	654929.81
4182506.98	0.02718	(17122508)		
654979.81	4182506.98	0.02563	(17122508)	655029.81
4182506.98	0.02406	(17122508)		
655079.81	4182506.98	0.02250	(17122508)	655129.81
4182506.98	0.02097	(17122508)		
652679.81	4182556.98	0.03343	(17021308)	652729.81
4182556.98	0.03433	(17021308)		
652779.81	4182556.98	0.03505	(17021308)	652829.81
4182556.98	0.03554	(17021308)		
652879.81	4182556.98	0.03670	(17120608)	652929.81
4182556.98	0.03832	(17120608)		
652979.81	4182556.98	0.03971	(17120608)	653029.81
4182556.98	0.04079	(17120608)		
653079.81	4182556.98	0.04149	(17120608)	653129.81
4182556.98	0.04730c	(17121108)		
653179.81	4182556.98	0.05469c	(17121108)	653229.81
4182556.98	0.06224c	(17121108)		
653279.81	4182556.98	0.06971c	(17121108)	653329.81
4182556.98	0.07665c	(17121108)		
653379.81	4182556.98	0.08231c	(17121108)	653429.81
4182556.98	0.08571c	(17121108)		
653479.81	4182556.98	0.08554c	(17121108)	653529.81
4182556.98	0.08054c	(17121108)		
653579.81	4182556.98	0.08086	(17020116)	653629.81
4182556.98	0.09019	(17020116)		
653679.81	4182556.98	0.10382	(17011616)	653729.81
4182556.98	0.12425	(17011216)		
653779.81	4182556.98	0.15254	(17011216)	653829.81
4182556.98	0.16931	(17011216)		
653879.81	4182556.98	0.15958	(17011216)	653929.81
4182556.98	0.12239	(17011216)		
653979.81	4182556.98	0.11639	(17011208)	654029.81
4182556.98	0.10947	(17011208)		
654079.81	4182556.98	0.10690	(17011316)	654129.81
4182556.98	0.10737	(17011316)		
654179.81	4182556.98	0.09672	(17011316)	654229.81
4182556.98	0.08073	(17011316)		
654279.81	4182556.98	0.06844	(17122708)	654329.81
4182556.98	0.05672	(17022308)		
654379.81	4182556.98	0.05359	(17022308)	654429.81
4182556.98	0.04877	(17022308)		
654479.81	4182556.98	0.04306	(17022308)	654529.81
4182556.98	0.03905	(17122508)		
654579.81	4182556.98	0.03851	(17122508)	654629.81
4182556.98	0.03743	(17122508)		

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*** AERMET - VERSION 18081 *** ***

*** 11:24:15

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654679.81	4182556.98	0.03596	(17122508)	654729.81
4182556.98	0.03423	(17122508)		
654779.81	4182556.98	0.03233	(17122508)	654829.81
4182556.98	0.03033	(17122508)		
654879.81	4182556.98	0.02830	(17122508)	654929.81
4182556.98	0.02629	(17122508)		
654979.81	4182556.98	0.02433	(17122508)	655029.81
4182556.98	0.02246	(17122508)		
655079.81	4182556.98	0.02068	(17122508)	655129.81
4182556.98	0.01899	(17122508)		
652679.81	4182606.98	0.03452	(17021308)	652729.81
4182606.98	0.03611	(17021308)		
652779.81	4182606.98	0.03758	(17021308)	652829.81
4182606.98	0.03891	(17021308)		
652879.81	4182606.98	0.04007	(17021308)	652929.81
4182606.98	0.04100	(17021308)		
652979.81	4182606.98	0.04196	(17120608)	653029.81
4182606.98	0.04408	(17120608)		
653079.81	4182606.98	0.04594	(17120608)	653129.81
4182606.98	0.04747	(17120608)		
653179.81	4182606.98	0.05135c	(17121108)	653229.81
4182606.98	0.05971c	(17121108)		
653279.81	4182606.98	0.06846c	(17121108)	653329.81
4182606.98	0.07736c	(17121108)		
653379.81	4182606.98	0.08595c	(17121108)	653429.81
4182606.98	0.09341c	(17121108)		
653479.81	4182606.98	0.09844c	(17121108)	653529.81
4182606.98	0.09929c	(17121108)		
653579.81	4182606.98	0.09402c	(17121108)	653629.81
4182606.98	0.09758	(17020116)		
653679.81	4182606.98	0.11413	(17011616)	653729.81
4182606.98	0.14841	(17011216)		

653779.81	4182606.98	0.18700	(17011216)	653829.81
4182606.98	0.21222 (17011216)			
653879.81	4182606.98	0.19929	(17011216)	653929.81
4182606.98	0.14236 (17011216)			
653979.81	4182606.98	0.13606	(17011208)	654029.81
4182606.98	0.13388 (17011316)			
654079.81	4182606.98	0.13492	(17011316)	654129.81
4182606.98	0.11931 (17011316)			
654179.81	4182606.98	0.09684	(17011316)	654229.81
4182606.98	0.07572 (17122708)			
654279.81	4182606.98	0.06549	(17022308)	654329.81
4182606.98	0.05950 (17022308)			
654379.81	4182606.98	0.05213	(17022308)	654429.81
4182606.98	0.04732 (17122508)			
654479.81	4182606.98	0.04610	(17122508)	654529.81
4182606.98	0.04424 (17122508)			
654579.81	4182606.98	0.04195	(17122508)	654629.81
4182606.98	0.03940 (17122508)			
654679.81	4182606.98	0.03672	(17122508)	654729.81
4182606.98	0.03400 (17122508)			
654779.81	4182606.98	0.03132	(17122508)	654829.81
4182606.98	0.02875 (17122508)			
654879.81	4182606.98	0.02630	(17122508)	654929.81
4182606.98	0.02399 (17122508)			
654979.81	4182606.98	0.02185	(17122508)	655029.81
4182606.98	0.02029 (17030108)			
655079.81	4182606.98	0.01931	(17030108)	655129.81
4182606.98	0.01835 (17030108)			
652679.81	4182656.98	0.03402	(17021308)	652729.81
4182656.98	0.03618 (17021308)			
652779.81	4182656.98	0.03834	(17021308)	652829.81
4182656.98	0.04044 (17021308)			
652879.81	4182656.98	0.04248	(17021308)	652929.81
4182656.98	0.04440 (17021308)			
652979.81	4182656.98	0.04619	(17021308)	653029.81
4182656.98	0.04779 (17021308)			
653079.81	4182656.98	0.04913	(17021308)	653129.81
4182656.98	0.05150 (17120608)			
653179.81	4182656.98	0.05413	(17120608)	653229.81
4182656.98	0.05643 (17120608)			
653279.81	4182656.98	0.06580c	(17121108)	653329.81
4182656.98	0.07608c (17121108)			
653379.81	4182656.98	0.08688c	(17121108)	653429.81
4182656.98	0.09778c (17121108)			
653479.81	4182656.98	0.10786c	(17121108)	653529.81
4182656.98	0.11548c (17121108)			
653579.81	4182656.98	0.11831c	(17121108)	653629.81
4182656.98	0.11339c (17121108)			

▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
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*** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL
 *** INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
653679.81	4182656.98	0.13077 (17011216)	653729.81
4182656.98	0.18307 (17011216)		
653779.81	4182656.98	0.23783 (17011216)	653829.81
4182656.98	0.27602 (17011216)		
653879.81	4182656.98	0.25803 (17011216)	653929.81
4182656.98	0.17137 (17011208)		
653979.81	4182656.98	0.17621 (17011316)	654029.81
4182656.98	0.17798 (17011316)		
654079.81	4182656.98	0.15264 (17011316)	654129.81
4182656.98	0.11910 (17011316)		
654179.81	4182656.98	0.08794 (17011316)	654229.81
4182656.98	0.07471 (17022308)		
654279.81	4182656.98	0.06482 (17022308)	654329.81
4182656.98	0.05885 (17122508)		
654379.81	4182656.98	0.05639 (17122508)	654429.81
4182656.98	0.05320 (17122508)		
654479.81	4182656.98	0.04958 (17122508)	654529.81
4182656.98	0.04578 (17122508)		
654579.81	4182656.98	0.04197 (17122508)	654629.81
4182656.98	0.03824 (17122508)		
654679.81	4182656.98	0.03470 (17122508)	654729.81
4182656.98	0.03139 (17122508)		
654779.81	4182656.98	0.02832 (17122508)	654829.81
4182656.98	0.02551 (17122508)		
654879.81	4182656.98	0.02376 (17030108)	654929.81
4182656.98	0.02240 (17030108)		
654979.81	4182656.98	0.02109 (17030108)	655029.81
4182656.98	0.01984 (17030108)		
655079.81	4182656.98	0.01866 (17030108)	655129.81
4182656.98	0.01753 (17030108)		

652679.81	4182706.98	0.03196	(17021308)	652729.81
4182706.98	0.03456 (17021308)			
652779.81	4182706.98	0.03724	(17021308)	652829.81
4182706.98	0.03997 (17021308)			
652879.81	4182706.98	0.04273	(17021308)	652929.81
4182706.98	0.04551 (17021308)			
652979.81	4182706.98	0.04829	(17021308)	653029.81
4182706.98	0.05105 (17021308)			
653079.81	4182706.98	0.05376	(17021308)	653129.81
4182706.98	0.05639 (17021308)			
653179.81	4182706.98	0.05886	(17021308)	653229.81
4182706.98	0.06146 (17120608)			
653279.81	4182706.98	0.06543	(17120608)	653329.81
4182706.98	0.07338c (17121108)			
653379.81	4182706.98	0.08569c	(17121108)	653429.81
4182706.98	0.09911c (17121108)			
653479.81	4182706.98	0.11336c	(17121108)	653529.81
4182706.98	0.12752c (17121108)			
653579.81	4182706.98	0.13963c	(17121108)	653629.81
4182706.98	0.14667c (17121108)			
653679.81	4182706.98	0.16120	(17011216)	653729.81
4182706.98	0.23656 (17011216)			
653779.81	4182706.98	0.31936	(17011216)	653829.81
4182706.98	0.37810 (17011216)			
653879.81	4182706.98	0.35532	(17011216)	653929.81
4182706.98	0.25237 (17011316)			
653979.81	4182706.98	0.25419	(17011316)	654029.81
4182706.98	0.20530 (17011316)			
654079.81	4182706.98	0.15097	(17011316)	654129.81
4182706.98	0.10558 (17011316)			
654179.81	4182706.98	0.08348	(17022308)	654229.81
4182706.98	0.07584 (17122508)			
654279.81	4182706.98	0.07090	(17122508)	654329.81
4182706.98	0.06530 (17122508)			
654379.81	4182706.98	0.05948	(17122508)	654429.81
4182706.98	0.05374 (17122508)			
654479.81	4182706.98	0.04824	(17122508)	654529.81
4182706.98	0.04312 (17122508)			
654579.81	4182706.98	0.03842	(17122508)	654629.81
4182706.98	0.03415 (17122508)			
654679.81	4182706.98	0.03032	(17122508)	654729.81
4182706.98	0.02826 (17030108)			
654779.81	4182706.98	0.02632	(17030108)	654829.81
4182706.98	0.02451 (17030108)			
654879.81	4182706.98	0.02281	(17030108)	654929.81
4182706.98	0.02122 (17030108)			
654979.81	4182706.98	0.01975	(17030108)	655029.81
4182706.98	0.01842 (17112308)			
655079.81	4182706.98	0.01720	(17112308)	655129.81
4182706.98	0.01606 (17112308)			

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
652679.81	4182756.98	0.03139	(17120708)	652729.81
4182756.98	0.03238	(17120708)		
652779.81	4182756.98	0.03442	(17021308)	652829.81
4182756.98	0.03759	(17021308)		
652879.81	4182756.98	0.04089	(17021308)	652929.81
4182756.98	0.04431	(17021308)		
652979.81	4182756.98	0.04786	(17021308)	653029.81
4182756.98	0.05153	(17021308)		
653079.81	4182756.98	0.05532	(17021308)	653129.81
4182756.98	0.05928	(17021308)		
653179.81	4182756.98	0.06338	(17021308)	653229.81
4182756.98	0.06763	(17021308)		
653279.81	4182756.98	0.07203	(17021308)	653329.81
4182756.98	0.07645	(17021308)		
653379.81	4182756.98	0.08318c	(17121108)	653429.81
4182756.98	0.09834c	(17121108)		
653479.81	4182756.98	0.11566c	(17121108)	653529.81
4182756.98	0.13530c	(17121108)		
653579.81	4182756.98	0.15664c	(17121108)	653629.81
4182756.98	0.17781c	(17121108)		
653679.81	4182756.98	0.20920	(17011216)	653729.81
4182756.98	0.32955	(17011216)		
653779.81	4182756.98	0.46618	(17011216)	653829.81
4182756.98	0.54123	(17011216)		
653879.81	4182756.98	0.49650	(17011216)	653929.81
4182756.98	0.42759	(17011316)		
653979.81	4182756.98	0.29563	(17011316)	654029.81
4182756.98	0.19827	(17011316)		

654079.81	4182756.98	0.12897	(17011316)	654129.81
4182756.98	0.10232 (17122508)			
654179.81	4182756.98	0.09218	(17122508)	654229.81
4182756.98	0.08212 (17122508)			
654279.81	4182756.98	0.07253	(17122508)	654329.81
4182756.98	0.06369 (17122508)			
654379.81	4182756.98	0.05569	(17122508)	654429.81
4182756.98	0.04858 (17122508)			
654479.81	4182756.98	0.04233	(17122508)	654529.81
4182756.98	0.03733 (17030108)			
654579.81	4182756.98	0.03424	(17030108)	654629.81
4182756.98	0.03140 (17030108)			
654679.81	4182756.98	0.02881	(17030108)	654729.81
4182756.98	0.02648 (17112308)			
654779.81	4182756.98	0.02438	(17112308)	654829.81
4182756.98	0.02247 (17112308)			
654879.81	4182756.98	0.02074	(17112308)	654929.81
4182756.98	0.01916 (17112308)			
654979.81	4182756.98	0.01773	(17112308)	655029.81
4182756.98	0.01642 (17112308)			
655079.81	4182756.98	0.01522	(17112308)	655129.81
4182756.98	0.01413 (17112308)			
652679.81	4182806.98	0.03403	(17120708)	652729.81
4182806.98	0.03553 (17120708)			
652779.81	4182806.98	0.03710	(17120708)	652829.81
4182806.98	0.03873 (17120708)			
652879.81	4182806.98	0.04043	(17120708)	652929.81
4182806.98	0.04222 (17120708)			
652979.81	4182806.98	0.04514	(17021308)	653029.81
4182806.98	0.04944 (17021308)			
653079.81	4182806.98	0.05399	(17021308)	653129.81
4182806.98	0.05886 (17021308)			
653179.81	4182806.98	0.06413	(17021308)	653229.81
4182806.98	0.06990 (17021308)			
653279.81	4182806.98	0.07623	(17021308)	653329.81
4182806.98	0.08318 (17021308)			
653379.81	4182806.98	0.09086	(17021308)	653429.81
4182806.98	0.09938 (17021308)			
653479.81	4182806.98	0.11620c	(17121108)	653529.81
4182806.98	0.14018c (17121108)			
653579.81	4182806.98	0.17007c	(17121108)	653629.81
4182806.98	0.20751c (17121108)			
653679.81	4182806.98	0.29438	(17011216)	653729.81
4182806.98	0.50654 (17011216)			
653929.81	4182806.98	0.46230	(17011316)	653979.81
4182806.98	0.27294 (17011316)			
654029.81	4182806.98	0.16799	(17041816)	654079.81
4182806.98	0.12745 (17041816)			
654129.81	4182806.98	0.10617	(17122508)	654179.81
4182806.98	0.08996 (17122508)			

654229.81 4182806.98 0.07608 (17122508) 654279.81
 4182806.98 0.06432 (17122508)
 *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654329.81	4182806.98	0.05444	(17122508)	654379.81
4182806.98	0.04740	(17112308)		
654429.81	4182806.98	0.04251	(17112308)	654479.81
4182806.98	0.03823	(17112308)		
654529.81	4182806.98	0.03448	(17112308)	654579.81
4182806.98	0.03117	(17112308)		
654629.81	4182806.98	0.02825	(17112308)	654679.81
4182806.98	0.02567	(17112308)		
654729.81	4182806.98	0.02338	(17112308)	654779.81
4182806.98	0.02133	(17112308)		
654829.81	4182806.98	0.01951	(17112308)	654879.81
4182806.98	0.01788	(17112308)		
654929.81	4182806.98	0.01675	(17112208)	654979.81
4182806.98	0.01604	(17112208)		
655029.81	4182806.98	0.01538	(17112208)	655079.81
4182806.98	0.01477	(17112208)		
655129.81	4182806.98	0.01420	(17112208)	652679.81
4182856.98	0.03479	(17013008)		
652729.81	4182856.98	0.03657	(17120708)	652779.81
4182856.98	0.03858	(17120708)		
652829.81	4182856.98	0.04072	(17120708)	652879.81
4182856.98	0.04300	(17120708)		
652929.81	4182856.98	0.04542	(17120708)	652979.81
4182856.98	0.04804	(17120708)		
653029.81	4182856.98	0.05088	(17120708)	653079.81
4182856.98	0.05399	(17120708)		

653129.81	4182856.98	0.05743	(17120708)	653179.81
4182856.98	0.06181 (17021308)			
653229.81	4182856.98	0.06846	(17021308)	653279.81
4182856.98	0.07597 (17021308)			
653329.81	4182856.98	0.08458	(17021308)	653379.81
4182856.98	0.09460 (17021308)			
653429.81	4182856.98	0.10650	(17021308)	653479.81
4182856.98	0.12099 (17021308)			
653529.81	4182856.98	0.14463c	(17121108)	653579.81
4182856.98	0.18281c (17121108)			
653629.81	4182856.98	0.24049c	(17121108)	653679.81
4182856.98	0.46512 (17122516)			
653929.81	4182856.98	0.43820	(17041816)	653979.81
4182856.98	0.26426 (17041816)			
654029.81	4182856.98	0.18239	(17041816)	654079.81
4182856.98	0.13417 (17041816)			
654129.81	4182856.98	0.10256	(17041816)	654179.81
4182856.98	0.08059 (17041816)			
654229.81	4182856.98	0.06469	(17041816)	654279.81
4182856.98	0.05436 (17112308)			
654329.81	4182856.98	0.04752	(17112308)	654379.81
4182856.98	0.04178 (17112308)			
654429.81	4182856.98	0.03694	(17112308)	654479.81
4182856.98	0.03330 (17112908)			
654529.81	4182856.98	0.03087	(17112908)	654579.81
4182856.98	0.02875 (17112908)			
654629.81	4182856.98	0.02689	(17112208)	654679.81
4182856.98	0.02526 (17112208)			
654729.81	4182856.98	0.02379	(17112208)	654779.81
4182856.98	0.02246 (17112208)			
654829.81	4182856.98	0.02127	(17112208)	654879.81
4182856.98	0.02018 (17112208)			
654929.81	4182856.98	0.01919	(17112208)	654979.81
4182856.98	0.01828 (17112208)			
655029.81	4182856.98	0.01744	(17112208)	655079.81
4182856.98	0.01666 (17112208)			
655129.81	4182856.98	0.01595	(17112208)	652679.81
4182906.98	0.03755 (17013008)			
652729.81	4182906.98	0.03949	(17013008)	652779.81
4182906.98	0.04159 (17013008)			
652829.81	4182906.98	0.04387	(17013008)	652879.81
4182906.98	0.04634 (17013008)			
652929.81	4182906.98	0.04903	(17013008)	652979.81
4182906.98	0.05200 (17013008)			
653029.81	4182906.98	0.05530	(17013008)	653079.81
4182906.98	0.05899 (17013008)			
653129.81	4182906.98	0.06317	(17013008)	653179.81
4182906.98	0.06794 (17013008)			
653229.81	4182906.98	0.07348	(17013008)	653279.81
4182906.98	0.07999 (17013008)			

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        653329.81  4182906.98      0.08776  (17013008)          653379.81
4182906.98      0.09725  (17013008)
        653429.81  4182906.98      0.11147  (17012316)          653479.81
4182906.98      0.13127  (17012316)

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Manteca\Maverik Manteca_operations\Mave ***   03/03/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): PAREA1 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653529.81	4182906.98	0.15942	(17012316)	653579.81
4182906.98	0.23270	(17122516)		
653629.81	4182906.98	0.45020	(17122516)	653929.81
4182906.98	0.43587	(17041816)		
653979.81	4182906.98	0.25013	(17041816)	654029.81
4182906.98	0.16506	(17041816)		
654079.81	4182906.98	0.11753	(17041816)	654129.81
4182906.98	0.08787	(17041816)		
654179.81	4182906.98	0.07321	(17112908)	654229.81
4182906.98	0.06448	(17112908)		
654279.81	4182906.98	0.05742	(17112908)	654329.81
4182906.98	0.05162	(17112908)		
654379.81	4182906.98	0.04678	(17112908)	654429.81
4182906.98	0.04268	(17112908)		
654479.81	4182906.98	0.03917	(17112908)	654529.81
4182906.98	0.03614	(17112908)		
654579.81	4182906.98	0.03349	(17112908)	654629.81
4182906.98	0.03117	(17112908)		
654679.81	4182906.98	0.02911	(17112908)	654729.81
4182906.98	0.02728	(17112908)		
654779.81	4182906.98	0.02564	(17112908)	654829.81
4182906.98	0.02416	(17112908)		
654879.81	4182906.98	0.02282	(17112908)	654929.81
4182906.98	0.02161	(17112908)		

654979.81	4182906.98	0.02051	(17112908)	655029.81
4182906.98	0.01950 (17112908)			
655079.81	4182906.98	0.01856	(17112908)	655129.81
4182906.98	0.01771 (17112908)			
652679.81	4182956.98	0.03788	(17013008)	652729.81
4182956.98	0.04006 (17013008)			
652779.81	4182956.98	0.04245	(17013008)	652829.81
4182956.98	0.04505 (17013008)			
652879.81	4182956.98	0.04790	(17013008)	652929.81
4182956.98	0.05102 (17013008)			
652979.81	4182956.98	0.05446	(17013008)	653029.81
4182956.98	0.05827 (17013008)			
653079.81	4182956.98	0.06252	(17013008)	653129.81
4182956.98	0.06731 (17013008)			
653179.81	4182956.98	0.07279	(17013008)	653229.81
4182956.98	0.07988 (17012316)			
653279.81	4182956.98	0.08888	(17012316)	653329.81
4182956.98	0.09990 (17012316)			
653379.81	4182956.98	0.11381	(17012316)	653429.81
4182956.98	0.13212 (17012316)			
653479.81	4182956.98	0.15777	(17012316)	653529.81
4182956.98	0.23244 (17122516)			
653579.81	4182956.98	0.39814	(17122516)	653929.81
4182956.98	0.33017 (17011116)			
653979.81	4182956.98	0.20507	(17011116)	654029.81
4182956.98	0.13738 (17011116)			
654079.81	4182956.98	0.10289	(17022708)	654129.81
4182956.98	0.08976 (17022708)			
654179.81	4182956.98	0.07936	(17022708)	654229.81
4182956.98	0.07086 (17022708)			
654279.81	4182956.98	0.06375	(17022708)	654329.81
4182956.98	0.05773 (17022708)			
654379.81	4182956.98	0.05256	(17022708)	654429.81
4182956.98	0.04809 (17022708)			
654479.81	4182956.98	0.04420	(17022708)	654529.81
4182956.98	0.04078 (17022708)			
654579.81	4182956.98	0.03777	(17022708)	654629.81
4182956.98	0.03511 (17022708)			
654679.81	4182956.98	0.03273	(17022708)	654729.81
4182956.98	0.03060 (17022708)			
654779.81	4182956.98	0.02868	(17022708)	654829.81
4182956.98	0.02695 (17022708)			
654879.81	4182956.98	0.02539	(17022708)	654929.81
4182956.98	0.02396 (17022708)			
654979.81	4182956.98	0.02266	(17022708)	655029.81
4182956.98	0.02147 (17022708)			
655079.81	4182956.98	0.02037	(17022708)	655129.81
4182956.98	0.01937 (17022708)			
652679.81	4183006.98	0.03742	(17012316)	652729.81
4183006.98	0.03956 (17012316)			

652779.81	4183006.98	0.04194	(17012316)	652829.81
4183006.98	0.04463	(17012316)		
652879.81	4183006.98	0.04762	(17012316)	652929.81
4183006.98	0.05095	(17012316)		
652979.81	4183006.98	0.05471	(17012316)	653029.81
4183006.98	0.05904	(17012316)		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653079.81	4183006.98	0.06405	(17012316)	653129.81
4183006.98	0.06993	(17012316)		
653179.81	4183006.98	0.07691	(17012316)	653229.81
4183006.98	0.08521	(17012316)		
653279.81	4183006.98	0.09519	(17012316)	653329.81
4183006.98	0.10756	(17012316)		
653379.81	4183006.98	0.12357	(17012316)	653429.81
4183006.98	0.16284	(17122516)		
653479.81	4183006.98	0.22799	(17122516)	653529.81
4183006.98	0.35746	(17122516)		
653579.81	4183006.98	0.68259	(17122816)	653829.81
4183006.98	0.66838	(17010616)		
653879.81	4183006.98	0.37868	(17011116)	653929.81
4183006.98	0.29695	(17011116)		
653979.81	4183006.98	0.21776	(17011116)	654029.81
4183006.98	0.16083	(17011116)		
654079.81	4183006.98	0.11960	(17011116)	654129.81
4183006.98	0.08805	(17011116)		
654179.81	4183006.98	0.07487	(17022708)	654229.81
4183006.98	0.06832	(17022708)		
654279.81	4183006.98	0.06264	(17022708)	654329.81
4183006.98	0.05764	(17022708)		

654379.81	4183006.98	0.05323	(17022708)	654429.81
4183006.98	0.04930 (17022708)			
654479.81	4183006.98	0.04578	(17022708)	654529.81
4183006.98	0.04263 (17022708)			
654579.81	4183006.98	0.03979	(17022708)	654629.81
4183006.98	0.03723 (17022708)			
654679.81	4183006.98	0.03491	(17022708)	654729.81
4183006.98	0.03280 (17022708)			
654779.81	4183006.98	0.03088	(17022708)	654829.81
4183006.98	0.02913 (17022708)			
654879.81	4183006.98	0.02753	(17022708)	654929.81
4183006.98	0.02606 (17022708)			
654979.81	4183006.98	0.02471	(17022708)	655029.81
4183006.98	0.02346 (17022708)			
655079.81	4183006.98	0.02231	(17022708)	655129.81
4183006.98	0.02124 (17022708)			
652679.81	4183056.98	0.03918	(17120108)	652729.81
4183056.98	0.04156 (17120108)			
652779.81	4183056.98	0.04419	(17120108)	652829.81
4183056.98	0.04713 (17120108)			
652879.81	4183056.98	0.05036	(17120108)	652929.81
4183056.98	0.05393 (17120108)			
652979.81	4183056.98	0.05792	(17120108)	653029.81
4183056.98	0.06242 (17120108)			
653079.81	4183056.98	0.06751	(17120108)	653129.81
4183056.98	0.07331 (17120108)			
653179.81	4183056.98	0.08000	(17120108)	653229.81
4183056.98	0.08896 (17122608)			
653279.81	4183056.98	0.10246	(17122608)	653329.81
4183056.98	0.12345 (17122516)			
653379.81	4183056.98	0.16197	(17122516)	653429.81
4183056.98	0.22409 (17122516)			
653479.81	4183056.98	0.34134	(17122516)	653529.81
4183056.98	0.63500 (17122816)			
653729.81	4183056.98	0.71451	(17010616)	653779.81
4183056.98	0.53156 (17010616)			
653829.81	4183056.98	0.37113	(17010616)	653879.81
4183056.98	0.26058 (17011116)			
653929.81	4183056.98	0.22686	(17011116)	653979.81
4183056.98	0.19018 (17011116)			
654029.81	4183056.98	0.15835	(17011116)	654079.81
4183056.98	0.12982 (17011116)			
654129.81	4183056.98	0.10414	(17011116)	654179.81
4183056.98	0.08170 (17011116)			
654229.81	4183056.98	0.06294	(17011116)	654279.81
4183056.98	0.05498 (17022708)			
654329.81	4183056.98	0.05166	(17022708)	654379.81
4183056.98	0.04859 (17022708)			
654429.81	4183056.98	0.04576	(17022708)	654479.81
4183056.98	0.04314 (17022708)			

654529.81	4183056.98	0.04070	(17022708)	654579.81
4183056.98	0.03845	(17022708)		
654629.81	4183056.98	0.03636	(17022708)	654679.81
4183056.98	0.03442	(17022708)		
654729.81	4183056.98	0.03262	(17022708)	654779.81
4183056.98	0.03095	(17022708)		
654829.81	4183056.98	0.02939	(17022708)	654879.81
4183056.98	0.02795	(17022708)		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654929.81	4183056.98	0.02660	(17022708)	654979.81
4183056.98	0.02535	(17022708)		
655029.81	4183056.98	0.02418	(17022708)	655079.81
4183056.98	0.02309	(17022708)		
655129.81	4183056.98	0.02206	(17022708)	652679.81
4183106.98	0.04054	(17013116)		
652729.81	4183106.98	0.04298	(17013116)	652779.81
4183106.98	0.04563	(17013116)		
652829.81	4183106.98	0.04851	(17013116)	652879.81
4183106.98	0.05167	(17013116)		
652929.81	4183106.98	0.05518	(17013116)	652979.81
4183106.98	0.05911	(17013116)		
653029.81	4183106.98	0.06446	(17122608)	653079.81
4183106.98	0.07212	(17122608)		
653129.81	4183106.98	0.08110	(17122608)	653179.81
4183106.98	0.09181	(17122608)		
653229.81	4183106.98	0.10490	(17122608)	653279.81
4183106.98	0.12205	(17122516)		
653329.81	4183106.98	0.15270	(17122516)	653379.81
4183106.98	0.23349	(17122516)		

653429.81	4183106.98	0.35880	(17122816)	653679.81
4183106.98	0.55677 (17010616)			
653729.81	4183106.98	0.41444	(17010616)	653779.81
4183106.98	0.32704 (17010616)			
653829.81	4183106.98	0.25367	(17010616)	653879.81
4183106.98	0.19088 (17011116)			
653929.81	4183106.98	0.17565	(17011116)	653979.81
4183106.98	0.15621 (17011116)			
654029.81	4183106.98	0.13884	(17011116)	654079.81
4183106.98	0.12338 (17011116)			
654129.81	4183106.98	0.10741	(17011116)	654179.81
4183106.98	0.09089 (17011116)			
654229.81	4183106.98	0.07492	(17011116)	654279.81
4183106.98	0.06046 (17011116)			
654329.81	4183106.98	0.04801	(17011116)	654379.81
4183106.98	0.04059 (17022708)			
654429.81	4183106.98	0.03895	(17022708)	654479.81
4183106.98	0.03737 (17022708)			
654529.81	4183106.98	0.03583	(17022708)	654579.81
4183106.98	0.03435 (17022708)			
654629.81	4183106.98	0.03292	(17022708)	654679.81
4183106.98	0.03155 (17022708)			
654729.81	4183106.98	0.03024	(17022708)	654779.81
4183106.98	0.02899 (17022708)			
654829.81	4183106.98	0.02780	(17022708)	654879.81
4183106.98	0.02666 (17022708)			
654929.81	4183106.98	0.02558	(17022708)	654979.81
4183106.98	0.02455 (17022708)			
655029.81	4183106.98	0.02358	(17022708)	655079.81
4183106.98	0.02266 (17022708)			
655129.81	4183106.98	0.02178	(17022708)	652679.81
4183156.98	0.03933 (17013116)			
652729.81	4183156.98	0.04122	(17013116)	652779.81
4183156.98	0.04451 (17122608)			
652829.81	4183156.98	0.04857	(17122608)	652879.81
4183156.98	0.05308 (17122608)			
652929.81	4183156.98	0.05811	(17122608)	652979.81
4183156.98	0.06476 (17122516)			
653029.81	4183156.98	0.07298	(17122516)	653079.81
4183156.98	0.08237 (17122516)			
653129.81	4183156.98	0.09329	(17122516)	653179.81
4183156.98	0.10655 (17122516)			
653229.81	4183156.98	0.12393	(17122516)	653279.81
4183156.98	0.15044 (17122516)			
653329.81	4183156.98	0.23573	(17122816)	653379.81
4183156.98	0.39525 (17122816)			
653429.81	4183156.98	0.49885	(17122816)	653479.81
4183156.98	0.50272 (17122816)			
653529.81	4183156.98	0.47394	(17122916)	653579.81
4183156.98	0.46222 (17010616)			

653629.81	4183156.98	0.38945	(17010616)	653679.81
4183156.98	0.32548	(17010616)		
653729.81	4183156.98	0.27902	(17010616)	653779.81
4183156.98	0.23816	(17010616)		
653829.81	4183156.98	0.19375	(17010616)	653879.81
4183156.98	0.14450	(17011116)		
653929.81	4183156.98	0.13767	(17011116)	653979.81
4183156.98	0.12760	(17011116)		
654029.81	4183156.98	0.11685	(17011116)	654079.81
4183156.98	0.10838	(17011116)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654129.81	4183156.98	0.10020	(17011116)	654179.81
4183156.98	0.09063	(17011116)		
654229.81	4183156.98	0.07971	(17011116)	654279.81
4183156.98	0.06828	(17011116)		
654329.81	4183156.98	0.05721	(17011116)	654379.81
4183156.98	0.04709	(17011116)		
654429.81	4183156.98	0.03823	(17011116)	654479.81
4183156.98	0.03074	(17011116)		
654529.81	4183156.98	0.02932	(17022708)	654579.81
4183156.98	0.02858	(17022708)		
654629.81	4183156.98	0.02782	(17022708)	654679.81
4183156.98	0.02705	(17022708)		
654729.81	4183156.98	0.02628	(17022708)	654779.81
4183156.98	0.02551	(17022708)		
654829.81	4183156.98	0.02474	(17022708)	654879.81
4183156.98	0.02399	(17022708)		
654929.81	4183156.98	0.02325	(17022708)	654979.81
4183156.98	0.02252	(17022708)		

655029.81	4183156.98	0.02182	(17022708)	655079.81
4183156.98	0.02113 (17022708)			
655129.81	4183156.98	0.02046	(17022708)	652679.81
4183206.98	0.04088 (17122608)			
652729.81	4183206.98	0.04412	(17122516)	652779.81
4183206.98	0.04884 (17122516)			
652829.81	4183206.98	0.05397	(17122516)	652879.81
4183206.98	0.05952 (17122516)			
652929.81	4183206.98	0.06550	(17122516)	652979.81
4183206.98	0.07189 (17122516)			
653029.81	4183206.98	0.07871	(17122516)	653079.81
4183206.98	0.08593 (17122516)			
653129.81	4183206.98	0.09348	(17122516)	653179.81
4183206.98	0.11700 (17122616)			
653229.81	4183206.98	0.15012	(17122616)	653279.81
4183206.98	0.18755 (17122616)			
653329.81	4183206.98	0.21498	(17122816)	653379.81
4183206.98	0.24740 (17122816)			
653429.81	4183206.98	0.24322	(17122816)	653479.81
4183206.98	0.24605 (17122916)			
653529.81	4183206.98	0.23273	(17122916)	653579.81
4183206.98	0.24634 (17010616)			
653629.81	4183206.98	0.24396	(17010616)	653679.81
4183206.98	0.22894 (17010616)			
653729.81	4183206.98	0.21003	(17010616)	653779.81
4183206.98	0.18686 (17010616)			
653829.81	4183206.98	0.15647	(17010616)	653879.81
4183206.98	0.11653 (17010616)			
653929.81	4183206.98	0.10851	(17011116)	653979.81
4183206.98	0.10394 (17011116)			
654029.81	4183206.98	0.09741	(17011116)	654079.81
4183206.98	0.09207 (17011116)			
654129.81	4183206.98	0.08806	(17011116)	654179.81
4183206.98	0.08360 (17011116)			
654229.81	4183206.98	0.07766	(17011116)	654279.81
4183206.98	0.07030 (17011116)			
654329.81	4183206.98	0.06208	(17011116)	654379.81
4183206.98	0.05364 (17011116)			
654429.81	4183206.98	0.04550	(17011116)	654479.81
4183206.98	0.03803 (17011116)			
654529.81	4183206.98	0.03142	(17011116)	654579.81
4183206.98	0.02573 (17011116)			
654629.81	4183206.98	0.02206	(17022708)	654679.81
4183206.98	0.02180 (17022708)			
654729.81	4183206.98	0.02150	(17022708)	654779.81
4183206.98	0.02116 (17022708)			
654829.81	4183206.98	0.02080	(17022708)	654879.81
4183206.98	0.02042 (17022708)			
654929.81	4183206.98	0.02002	(17022708)	654979.81
4183206.98	0.01961 (17022708)			

655029.81	4183206.98	0.01919	(17022708)	655079.81
4183206.98	0.01876	(17022708)		
655129.81	4183206.98	0.01833	(17022708)	652679.81
4183256.98	0.04549	(17122516)		
652729.81	4183256.98	0.04931	(17122516)	652779.81
4183256.98	0.05323	(17122516)		
652829.81	4183256.98	0.05716	(17122516)	652879.81
4183256.98	0.06103	(17122516)		
652929.81	4183256.98	0.06467	(17122516)	652979.81
4183256.98	0.06786	(17122516)		
653029.81	4183256.98	0.07697	(17122616)	653079.81
4183256.98	0.09464	(17122616)		

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 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653129.81	4183256.98	0.11431	(17122616)	653179.81
4183256.98	0.13383	(17122616)		
653229.81	4183256.98	0.14786	(17122616)	653279.81
4183256.98	0.14901	(17122816)		
653329.81	4183256.98	0.15940	(17122816)	653379.81
4183256.98	0.15190	(17122816)		
653429.81	4183256.98	0.17329	(17010316)	653479.81
4183256.98	0.17547	(17010316)		
653529.81	4183256.98	0.14826	(17121208)	653579.81
4183256.98	0.16705	(17010616)		
653629.81	4183256.98	0.17715	(17010616)	653679.81
4183256.98	0.17586	(17010616)		
653729.81	4183256.98	0.16752	(17010616)	653779.81
4183256.98	0.15300	(17010616)		
653829.81	4183256.98	0.13081	(17010616)	653879.81
4183256.98	0.10024	(17010616)		

653929.81	4183256.98	0.08512	(17011116)	653979.81
4183256.98	0.08404 (17011116)			
654029.81	4183256.98	0.08073	(17011116)	654079.81
4183256.98	0.07727 (17011116)			
654129.81	4183256.98	0.07511	(17011116)	654179.81
4183256.98	0.07346 (17011116)			
654229.81	4183256.98	0.07108	(17011116)	654279.81
4183256.98	0.06737 (17011116)			
654329.81	4183256.98	0.06237	(17011116)	654379.81
4183256.98	0.05643 (17011116)			
654429.81	4183256.98	0.05001	(17011116)	654479.81
4183256.98	0.04352 (17011116)			
654529.81	4183256.98	0.03730	(17011116)	654579.81
4183256.98	0.03156 (17011116)			
654629.81	4183256.98	0.02644	(17011116)	654679.81
4183256.98	0.02197 (17011116)			
654729.81	4183256.98	0.01816	(17011116)	654779.81
4183256.98	0.01662 (17022708)			
654829.81	4183256.98	0.01657	(17022708)	654879.81
4183256.98	0.01649 (17022708)			
654929.81	4183256.98	0.01638	(17022708)	654979.81
4183256.98	0.01625 (17022708)			
655029.81	4183256.98	0.01608	(17022708)	655079.81
4183256.98	0.01590 (17022708)			
655129.81	4183256.98	0.01569	(17022708)	652679.81
4183306.98	0.04676 (17122516)			
652729.81	4183306.98	0.04920	(17122516)	652779.81
4183306.98	0.05127 (17122516)			
652829.81	4183306.98	0.05287	(17122516)	652879.81
4183306.98	0.05597 (17010916)			
652929.81	4183306.98	0.06596	(17122616)	652979.81
4183306.98	0.07863 (17122616)			
653029.81	4183306.98	0.09187	(17122616)	653079.81
4183306.98	0.10421 (17122616)			
653129.81	4183306.98	0.11312	(17122616)	653179.81
4183306.98	0.11499 (17122616)			
653229.81	4183306.98	0.11192	(17122816)	653279.81
4183306.98	0.11354 (17122816)			
653329.81	4183306.98	0.11532	(17122916)	653379.81
4183306.98	0.13370 (17122916)			
653429.81	4183306.98	0.13915	(17010316)	653479.81
4183306.98	0.12684 (17010316)			
653529.81	4183306.98	0.11763	(17121208)	653579.81
4183306.98	0.12609 (17010616)			
653629.81	4183306.98	0.13866	(17010616)	653679.81
4183306.98	0.14224 (17010616)			
653729.81	4183306.98	0.13887	(17010616)	653779.81
4183306.98	0.12913 (17010616)			
653829.81	4183306.98	0.11222	(17010616)	653879.81
4183306.98	0.08805 (17010616)			

653929.81	4183306.98	0.07442	(17110708)	653979.81
4183306.98	0.06765	(17011608)		
654029.81	4183306.98	0.06609	(17011116)	654079.81
4183306.98	0.06427	(17011116)		
654129.81	4183306.98	0.06307	(17011116)	654179.81
4183306.98	0.06273	(17011116)		
654229.81	4183306.98	0.06240	(17011116)	654279.81
4183306.98	0.06128	(17011116)		
654329.81	4183306.98	0.05901	(17011116)	654379.81
4183306.98	0.05563	(17011116)		
654429.81	4183306.98	0.05135	(17011116)	654479.81
4183306.98	0.04648	(17011116)		
654529.81	4183306.98	0.04134	(17011116)	654579.81
4183306.98	0.03620	(17011116)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654629.81	4183306.98	0.03129	(17011116)	654679.81
4183306.98	0.02675	(17011116)		
654729.81	4183306.98	0.02266	(17011116)	654779.81
4183306.98	0.01906	(17011116)		
654829.81	4183306.98	0.01595	(17011116)	654879.81
4183306.98	0.01405	(17022108)		
654929.81	4183306.98	0.01357	(17022108)	654979.81
4183306.98	0.01327	(17111708)		
655029.81	4183306.98	0.01303	(17111708)	655079.81
4183306.98	0.01288	(17022708)		
655129.81	4183306.98	0.01286	(17022708)	652679.81
4183356.98	0.04293	(17122516)		
652729.81	4183356.98	0.04441	(17010916)	652779.81
4183356.98	0.04845	(17010916)		

4183356.98	652829.81	4183356.98	0.05723	(17122616)	652879.81
4183356.98	652929.81	4183356.98	0.07631	(17122616)	652979.81
4183356.98	653029.81	4183356.98	0.09118	(17122616)	653079.81
4183356.98	653129.81	4183356.98	0.08913	(17122616)	653179.81
4183356.98	653229.81	4183356.98	0.08550	(17122816)	653279.81
4183356.98	653329.81	4183356.98	0.10936	(17122916)	653379.81
4183356.98	653429.81	4183356.98	0.10816	(17010316)	653479.81
4183356.98	653529.81	4183356.98	0.09425	(17121208)	653579.81
4183356.98	653629.81	4183356.98	0.11363	(17010616)	653679.81
4183356.98	653729.81	4183356.98	0.11840	(17010616)	653779.81
4183356.98	653829.81	4183356.98	0.09834	(17010616)	653879.81
4183356.98	653929.81	4183356.98	0.06894	(17110708)	653979.81
4183356.98	654029.81	4183356.98	0.05945	(17011608)	654079.81
4183356.98	654129.81	4183356.98	0.05595	(17022408)	654179.81
4183356.98	654229.81	4183356.98	0.05325	(17022408)	654279.81
4183356.98	654329.81	4183356.98	0.05324	(17011116)	654279.81
4183356.98	654429.81	4183356.98	0.05337	(17011116)	654379.81
4183356.98	654529.81	4183356.98	0.05209	(17011116)	654379.81
4183356.98	654629.81	4183356.98	0.04985	(17011116)	654479.81
4183356.98	654729.81	4183356.98	0.04679	(17011116)	654479.81
4183356.98	654829.81	4183356.98	0.04312	(17011116)	654579.81
4183356.98	654929.81	4183356.98	0.03907	(17011116)	654579.81
4183356.98	655029.81	4183356.98	0.03487	(17011116)	654679.81
4183356.98	655129.81	4183356.98	0.03072	(17011116)	654679.81
4183356.98	655229.81	4183356.98	0.02674	(17011116)	654779.81
4183356.98	655329.81	4183356.98	0.02306	(17011116)	654779.81
4183356.98	655429.81	4183356.98	0.01973	(17011116)	654879.81
4183356.98	655529.81	4183356.98	0.01676	(17011116)	654879.81
4183356.98	655629.81	4183356.98	0.01417	(17011116)	654979.81
4183356.98	655729.81	4183356.98	0.01247	(17113008)	654979.81
4183356.98	655829.81	4183356.98	0.01208	(17022108)	655079.81
4183356.98	655929.81	4183356.98	0.01173	(17022108)	655079.81
4183356.98	656029.81	4183356.98	0.01135	(17022108)	655179.81
4183406.98	656129.81	4183406.98	0.04315	(17122616)	655279.81
4183406.98	656229.81	4183406.98	0.05025	(17122616)	655379.81
4183406.98	656329.81	4183406.98	0.05765	(17122616)	655479.81

652829.81	4183406.98	0.06489	(17122616)	652879.81
4183406.98	0.07130	(17122616)		
652929.81	4183406.98	0.07599	(17122616)	652979.81
4183406.98	0.07786	(17122616)		
653029.81	4183406.98	0.07583	(17122616)	653079.81
4183406.98	0.07001	(17122816)		
653129.81	4183406.98	0.07013	(17122816)	653179.81
4183406.98	0.06683	(17122816)		
653229.81	4183406.98	0.07868	(17122916)	653279.81
4183406.98	0.09174	(17122916)		
653329.81	4183406.98	0.09667	(17122916)	653379.81
4183406.98	0.09216	(17010316)		
653429.81	4183406.98	0.09067	(17121208)	653479.81
4183406.98	0.08751	(17121208)		
653529.81	4183406.98	0.07575	(17121208)	653579.81
4183406.98	0.08416	(17010616)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653629.81	4183406.98	0.09608	(17010616)	653679.81
4183406.98	0.10244	(17010616)		
653729.81	4183406.98	0.10320	(17010616)	653779.81
4183406.98	0.09842	(17010616)		
653829.81	4183406.98	0.08774	(17010616)	653879.81
4183406.98	0.07142	(17010616)		
653929.81	4183406.98	0.06383	(17110708)	653979.81
4183406.98	0.05835	(17110708)		
654029.81	4183406.98	0.05554	(17011608)	654079.81
4183406.98	0.05216	(17011608)		
654129.81	4183406.98	0.05112	(17022408)	654179.81
4183406.98	0.05048	(17022408)		

654229.81	4183406.98	0.04789	(17022408)	654279.81
4183406.98	0.04570 (17011116)			
654329.81	4183406.98	0.04662	(17011116)	654379.81
4183406.98	0.04685 (17011116)			
654429.81	4183406.98	0.04626	(17011116)	654479.81
4183406.98	0.04485 (17011116)			
654529.81	4183406.98	0.04270	(17011116)	654579.81
4183406.98	0.03995 (17011116)			
654629.81	4183406.98	0.03679	(17011116)	654679.81
4183406.98	0.03339 (17011116)			
654729.81	4183406.98	0.02990	(17011116)	654779.81
4183406.98	0.02648 (17011116)			
654829.81	4183406.98	0.02320	(17011116)	654879.81
4183406.98	0.02016 (17011116)			
654929.81	4183406.98	0.01738	(17011116)	654979.81
4183406.98	0.01490 (17011116)			
655029.81	4183406.98	0.01298	(17113008)	655079.81
4183406.98	0.01156 (17113008)			
655129.81	4183406.98	0.01077	(17022108)	652679.81
4183456.98	0.05048 (17122616)			
652729.81	4183456.98	0.05615	(17122616)	652779.81
4183456.98	0.06114 (17122616)			
652829.81	4183456.98	0.06483	(17122616)	652879.81
4183456.98	0.06653 (17122616)			
652929.81	4183456.98	0.06553	(17122616)	652979.81
4183456.98	0.06138 (17122616)			
653029.81	4183456.98	0.05874	(17122816)	653079.81
4183456.98	0.05740 (17122816)			
653129.81	4183456.98	0.05372	(17122916)	653179.81
4183456.98	0.06734 (17122916)			
653229.81	4183456.98	0.07836	(17122916)	653279.81
4183456.98	0.08368 (17122916)			
653329.81	4183456.98	0.08128	(17122916)	653379.81
4183456.98	0.07787 (17121208)			
653429.81	4183456.98	0.07930	(17121208)	653479.81
4183456.98	0.07304 (17121208)			
653529.81	4183456.98	0.06092	(17121208)	653579.81
4183456.98	0.07211 (17010616)			
653629.81	4183456.98	0.08331	(17010616)	653679.81
4183456.98	0.08997 (17010616)			
653729.81	4183456.98	0.09167	(17010616)	653779.81
4183456.98	0.08825 (17010616)			
653829.81	4183456.98	0.07940	(17010616)	653879.81
4183456.98	0.06557 (17010616)			
653929.81	4183456.98	0.05904	(17110708)	653979.81
4183456.98	0.05535 (17110708)			
654029.81	4183456.98	0.05136	(17011608)	654079.81
4183456.98	0.04985 (17011608)			
654129.81	4183456.98	0.04589	(17022408)	654179.81
4183456.98	0.04667 (17022408)			

654229.81	4183456.98	0.04589	(17022408)	654279.81
4183456.98	0.04344	(17022408)		
654329.81	4183456.98	0.03954	(17011116)	654379.81
4183456.98	0.04074	(17011116)		
654429.81	4183456.98	0.04135	(17011116)	654479.81
4183456.98	0.04125	(17011116)		
654529.81	4183456.98	0.04045	(17011116)	654579.81
4183456.98	0.03899	(17011116)		
654629.81	4183456.98	0.03698	(17011116)	654679.81
4183456.98	0.03454	(17011116)		
654729.81	4183456.98	0.03181	(17011116)	654779.81
4183456.98	0.02893	(17011116)		
654829.81	4183456.98	0.02600	(17011116)	654879.81
4183456.98	0.02312	(17011116)		
654929.81	4183456.98	0.02038	(17011116)	654979.81
4183456.98	0.01782	(17011116)		
655029.81	4183456.98	0.01548	(17011116)	655079.81
4183456.98	0.01345	(17122716)		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
655129.81	4183456.98	0.01199	(17113008)	652679.81
4183506.98	0.05328	(17122616)		
652729.81	4183506.98	0.05628	(17122616)	652779.81
4183506.98	0.05780	(17122616)		
652829.81	4183506.98	0.05739	(17122616)	652879.81
4183506.98	0.05470	(17122616)		
652929.81	4183506.98	0.05018	(17122816)	652979.81
4183506.98	0.04981	(17122816)		
653029.81	4183506.98	0.04778	(17122816)	653079.81
4183506.98	0.04740	(17122916)		

4183506.98	653129.81	4183506.98	0.05860	(17122916)	653179.81
4183506.98	653229.81	4183506.98	0.07321	(17122916)	653279.81
4183506.98	653329.81	4183506.98	0.06649	(17121208)	653379.81
4183506.98	653429.81	4183506.98	0.06858	(17121208)	653479.81
4183506.98	653529.81	4183506.98	0.05030	(17010616)	653579.81
4183506.98	653629.81	4183506.98	0.07326	(17010616)	653679.81
4183506.98	653729.81	4183506.98	0.08224	(17010616)	653779.81
4183506.98	653829.81	4183506.98	0.07258	(17010616)	653879.81
4183506.98	653929.81	4183506.98	0.05454	(17110708)	653979.81
4183506.98	654029.81	4183506.98	0.04744	(17110708)	654079.81
4183506.98	654129.81	4183506.98	0.04462	(17011608)	654179.81
4183506.98	654229.81	4183506.98	0.04284	(17022408)	654279.81
4183506.98	654329.81	4183506.98	0.03967	(17022408)	654379.81
4183506.98	654429.81	4183506.98	0.03577	(17011116)	654479.81
4183506.98	654529.81	4183506.98	0.03689	(17011116)	654579.81
4183506.98	654629.81	4183506.98	0.03563	(17011116)	654679.81
4183506.98	654729.81	4183506.98	0.03236	(17011116)	654779.81
4183506.98	654829.81	4183506.98	0.02783	(17011116)	654879.81
4183506.98	654929.81	4183506.98	0.02285	(17011116)	654979.81
4183506.98	655029.81	4183506.98	0.01808	(17011116)	655079.81
4183556.98	655129.81	4183506.98	0.01397	(17122716)	652679.81
4183556.98	652729.81	4183556.98	0.05083	(17122616)	652779.81
4183556.98	652829.81	4183556.98	0.04545	(17122616)	652879.81
4183556.98	652929.81	4183556.98	0.04268	(17122816)	652979.81
4183556.98	653029.81	4183556.98	0.04231	(17122916)	653079.81
4183556.98		4183556.98	0.05168	(17122916)	

653129.81	4183556.98	0.05969	(17122916)	653179.81
4183556.98	0.06466	(17122916)		
653229.81	4183556.98	0.06517	(17122916)	653279.81
4183556.98	0.06068	(17122916)		
653329.81	4183556.98	0.06231	(17121208)	653379.81
4183556.98	0.06312	(17121208)		
653429.81	4183556.98	0.05880	(17121208)	653479.81
4183556.98	0.05029	(17121208)		
653529.81	4183556.98	0.04626	(17030308)	653579.81
4183556.98	0.05676	(17030308)		
653629.81	4183556.98	0.06532	(17010616)	653679.81
4183556.98	0.07186	(17010616)		
653729.81	4183556.98	0.07456	(17010616)	653779.81
4183556.98	0.07297	(17010616)		
653829.81	4183556.98	0.06690	(17010616)	653879.81
4183556.98	0.05675	(17010616)		
653929.81	4183556.98	0.05029	(17110708)	653979.81
4183556.98	0.04919	(17110708)		
654029.81	4183556.98	0.04573	(17110708)	654079.81
4183556.98	0.04380	(17011608)		

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654129.81	4183556.98	0.04284	(17011608)	654179.81
4183556.98	0.03986	(17011608)		
654229.81	4183556.98	0.03916	(17022408)	654279.81
4183556.98	0.03951	(17022408)		
654329.81	4183556.98	0.03860	(17022408)	654379.81
4183556.98	0.03643	(17022408)		
654429.81	4183556.98	0.03321	(17022408)	654479.81
4183556.98	0.03149	(17011116)		

654529.81	4183556.98	0.03253	(17011116)	654579.81
4183556.98	0.03306 (17011116)			
654629.81	4183556.98	0.03308	(17011116)	654679.81
4183556.98	0.03258 (17011116)			
654729.81	4183556.98	0.03162	(17011116)	654779.81
4183556.98	0.03026 (17011116)			
654829.81	4183556.98	0.02857	(17011116)	654879.81
4183556.98	0.02665 (17011116)			
654929.81	4183556.98	0.02458	(17011116)	654979.81
4183556.98	0.02244 (17011116)			
655029.81	4183556.98	0.02029	(17011116)	655079.81
4183556.98	0.01819 (17011116)			
655129.81	4183556.98	0.01619	(17011116)	652679.81
4183606.98	0.04427 (17122616)			
652729.81	4183606.98	0.04168	(17122616)	652779.81
4183606.98	0.03881 (17122816)			
652829.81	4183606.98	0.03834	(17122816)	652879.81
4183606.98	0.03692 (17122816)			
652929.81	4183606.98	0.03456	(17122816)	652979.81
4183606.98	0.03812 (17122916)			
653029.81	4183606.98	0.04607	(17122916)	653079.81
4183606.98	0.05298 (17122916)			
653129.81	4183606.98	0.05759	(17122916)	653179.81
4183606.98	0.05875 (17122916)			
653229.81	4183606.98	0.05588	(17122916)	653279.81
4183606.98	0.05461 (17121208)			
653329.81	4183606.98	0.05729	(17121208)	653379.81
4183606.98	0.05570 (17121208)			
653429.81	4183606.98	0.05007	(17121208)	653479.81
4183606.98	0.04154 (17121208)			
653529.81	4183606.98	0.04349	(17030308)	653579.81
4183606.98	0.05288 (17030308)			
653629.81	4183606.98	0.05904	(17030308)	653679.81
4183606.98	0.06521 (17010616)			
653729.81	4183606.98	0.06816	(17010616)	653779.81
4183606.98	0.06718 (17010616)			
653829.81	4183606.98	0.06209	(17010616)	653879.81
4183606.98	0.05335 (17010616)			
653929.81	4183606.98	0.04629	(17110708)	653979.81
4183606.98	0.04612 (17110708)			
654029.81	4183606.98	0.04381	(17110708)	654079.81
4183606.98	0.04043 (17011608)			
654129.81	4183606.98	0.04057	(17011608)	654179.81
4183606.98	0.03892 (17011608)			
654229.81	4183606.98	0.03555	(17011608)	654279.81
4183606.98	0.03638 (17022408)			
654329.81	4183606.98	0.03658	(17022408)	654379.81
4183606.98	0.03566 (17022408)			
654429.81	4183606.98	0.03365	(17022408)	654479.81
4183606.98	0.03073 (17022408)			

654529.81	4183606.98	0.02785	(17011116)	654579.81
4183606.98	0.02900	(17011116)		
654629.81	4183606.98	0.02971	(17011116)	654679.81
4183606.98	0.02998	(17011116)		
654729.81	4183606.98	0.02981	(17011116)	654779.81
4183606.98	0.02921	(17011116)		
654829.81	4183606.98	0.02824	(17011116)	654879.81
4183606.98	0.02696	(17011116)		
654929.81	4183606.98	0.02543	(17011116)	654979.81
4183606.98	0.02372	(17011116)		
655029.81	4183606.98	0.02190	(17011116)	655079.81
4183606.98	0.02003	(17011116)		
655129.81	4183606.98	0.01816	(17011116)	652679.81
4183656.98	0.03528	(17122616)		
652729.81	4183656.98	0.03466	(17122816)	652779.81
4183656.98	0.03382	(17122816)		
652829.81	4183656.98	0.03223	(17122816)	652879.81
4183656.98	0.03046	(17121808)		
652929.81	4183656.98	0.03462	(17122916)	652979.81
4183656.98	0.04144	(17122916)		
653029.81	4183656.98	0.04745	(17122916)	653079.81
4183656.98	0.05169	(17122916)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653129.81	4183656.98	0.05321	(17122916)	653179.81
4183656.98	0.05147	(17122916)		
653229.81	4183656.98	0.04772	(17121208)	653279.81
4183656.98	0.05149	(17121208)		
653329.81	4183656.98	0.05188	(17121208)	653379.81
4183656.98	0.04867	(17121208)		

653429.81	4183656.98	0.04241	(17121208)	653479.81
4183656.98	0.03424 (17121208)			
653529.81	4183656.98	0.04108	(17030308)	653579.81
4183656.98	0.04950 (17030308)			
653629.81	4183656.98	0.05498	(17030308)	653679.81
4183656.98	0.05963 (17010616)			
653729.81	4183656.98	0.06271	(17010616)	653779.81
4183656.98	0.06221 (17010616)			
653829.81	4183656.98	0.05796	(17010616)	653879.81
4183656.98	0.05036 (17010616)			
653929.81	4183656.98	0.04251	(17110708)	653979.81
4183656.98	0.04309 (17110708)			
654029.81	4183656.98	0.04175	(17110708)	654079.81
4183656.98	0.03861 (17110708)			
654129.81	4183656.98	0.03798	(17011608)	654179.81
4183656.98	0.03742 (17011608)			
654229.81	4183656.98	0.03526	(17011608)	654279.81
4183656.98	0.03288 (17022408)			
654329.81	4183656.98	0.03393	(17022408)	654379.81
4183656.98	0.03402 (17022408)			
654429.81	4183656.98	0.03310	(17022408)	654479.81
4183656.98	0.03123 (17022408)			
654529.81	4183656.98	0.02857	(17022408)	654579.81
4183656.98	0.02537 (17022408)			
654629.81	4183656.98	0.02592	(17011116)	654679.81
4183656.98	0.02676 (17011116)			
654729.81	4183656.98	0.02722	(17011116)	654779.81
4183656.98	0.02729 (17011116)			
654829.81	4183656.98	0.02698	(17011116)	654879.81
4183656.98	0.02634 (17011116)			
654929.81	4183656.98	0.02539	(17011116)	654979.81
4183656.98	0.02418 (17011116)			
655029.81	4183656.98	0.02279	(17011116)	655079.81
4183656.98	0.02126 (17011116)			
655129.81	4183656.98	0.01966	(17011116)	652679.81
4183706.98	0.03106 (17122816)			
652729.81	4183706.98	0.03001	(17122816)	652779.81
4183706.98	0.02847 (17121808)			
652829.81	4183706.98	0.02704	(17121808)	652879.81
4183706.98	0.03164 (17122916)			
652929.81	4183706.98	0.03756	(17122916)	652979.81
4183706.98	0.04284 (17122916)			
653029.81	4183706.98	0.04671	(17122916)	653079.81
4183706.98	0.04844 (17122916)			
653129.81	4183706.98	0.04748	(17122916)	653179.81
4183706.98	0.04379 (17122916)			
653229.81	4183706.98	0.04601	(17121208)	653279.81
4183706.98	0.04773 (17121208)			
653329.81	4183706.98	0.04642	(17121208)	653379.81
4183706.98	0.04220 (17121208)			

653429.81	4183706.98	0.03577	(17121208)	653479.81
4183706.98	0.03000 (17030308)			
653529.81	4183706.98	0.03895	(17030308)	653579.81
4183706.98	0.04652 (17030308)			
653629.81	4183706.98	0.05140	(17030308)	653679.81
4183706.98	0.05487 (17010616)			
653729.81	4183706.98	0.05802	(17010616)	653779.81
4183706.98	0.05790 (17010616)			
653829.81	4183706.98	0.05434	(17010616)	653879.81
4183706.98	0.04771 (17010616)			
653929.81	4183706.98	0.03900	(17010616)	653979.81
4183706.98	0.04014 (17110708)			
654029.81	4183706.98	0.03960	(17110708)	654079.81
4183706.98	0.03737 (17110708)			
654129.81	4183706.98	0.03520	(17011608)	654179.81
4183706.98	0.03552 (17011608)			
654229.81	4183706.98	0.03441	(17011608)	654279.81
4183706.98	0.03191 (17011608)			
654329.81	4183706.98	0.03087	(17022408)	654379.81
4183706.98	0.03175 (17022408)			
654429.81	4183706.98	0.03175	(17022408)	654479.81
4183706.98	0.03084 (17022408)			
654529.81	4183706.98	0.02909	(17022408)	654579.81
4183706.98	0.02667 (17022408)			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654629.81	4183706.98	0.02378	(17022408)	654679.81
4183706.98	0.02321 (17011116)			
654729.81	4183706.98	0.02414	(17011116)	654779.81
4183706.98	0.02473 (17011116)			

654829.81	4183706.98	0.02500	(17011116)	654879.81
4183706.98	0.02492 (17011116)			
654929.81	4183706.98	0.02453	(17011116)	654979.81
4183706.98	0.02386 (17011116)			
655029.81	4183706.98	0.02294	(17011116)	655079.81
4183706.98	0.02183 (17011116)			
655129.81	4183706.98	0.02056	(17011116)	652679.81
4183756.98	0.02680 (17122816)			
652729.81	4183756.98	0.02560	(17121808)	652779.81
4183756.98	0.02415 (17121808)			
652829.81	4183756.98	0.02908	(17122916)	652879.81
4183756.98	0.03426 (17122916)			
652929.81	4183756.98	0.03893	(17122916)	652979.81
4183756.98	0.04247 (17122916)			
653029.81	4183756.98	0.04427	(17122916)	653079.81
4183756.98	0.04388 (17122916)			
653129.81	4183756.98	0.04116	(17122916)	653179.81
4183756.98	0.04097 (17121208)			
653229.81	4183756.98	0.04354	(17121208)	653279.81
4183756.98	0.04364 (17121208)			
653329.81	4183756.98	0.04114	(17121208)	653379.81
4183756.98	0.03637 (17121208)			
653429.81	4183756.98	0.03008	(17121208)	653479.81
4183756.98	0.02891 (17030308)			
653529.81	4183756.98	0.03705	(17030308)	653579.81
4183756.98	0.04386 (17030308)			
653629.81	4183756.98	0.04821	(17030308)	653679.81
4183756.98	0.05076 (17010616)			
653729.81	4183756.98	0.05392	(17010616)	653779.81
4183756.98	0.05411 (17010616)			
653829.81	4183756.98	0.05114	(17010616)	653879.81
4183756.98	0.04534 (17010616)			
653929.81	4183756.98	0.03757	(17010616)	653979.81
4183756.98	0.03729 (17110708)			
654029.81	4183756.98	0.03740	(17110708)	654079.81
4183756.98	0.03596 (17110708)			
654129.81	4183756.98	0.03316	(17110708)	654179.81
4183756.98	0.03335 (17011608)			
654229.81	4183756.98	0.03311	(17011608)	654279.81
4183756.98	0.03156 (17011608)			
654329.81	4183756.98	0.02885	(17011608)	654379.81
4183756.98	0.02906 (17022408)			
654429.81	4183756.98	0.02979	(17022408)	654479.81
4183756.98	0.02971 (17022408)			
654529.81	4183756.98	0.02883	(17022408)	654579.81
4183756.98	0.02721 (17022408)			
654629.81	4183756.98	0.02499	(17022408)	654679.81
4183756.98	0.02236 (17022408)			
654729.81	4183756.98	0.02083	(17011116)	654779.81
4183756.98	0.02180 (17011116)			

654829.81	4183756.98	0.02250	(17011116)	654879.81
4183756.98	0.02290	(17011116)		
654929.81	4183756.98	0.02301	(17011116)	654979.81
4183756.98	0.02283	(17011116)		
655029.81	4183756.98	0.02239	(17011116)	655079.81
4183756.98	0.02171	(17011116)		
655129.81	4183756.98	0.02084	(17011116)	652679.81
4183806.98	0.02311	(17121808)		
652729.81	4183806.98	0.02228	(17122916)	652779.81
4183806.98	0.02686	(17122916)		
652829.81	4183806.98	0.03143	(17122916)	652879.81
4183806.98	0.03559	(17122916)		
652929.81	4183806.98	0.03882	(17122916)	652979.81
4183806.98	0.04064	(17122916)		
653029.81	4183806.98	0.04065	(17122916)	653079.81
4183806.98	0.03867	(17122916)		
653129.81	4183806.98	0.03644	(17121208)	653179.81
4183806.98	0.03950	(17121208)		
653229.81	4183806.98	0.04060	(17121208)	653279.81
4183806.98	0.03946	(17121208)		
653329.81	4183806.98	0.03618	(17121208)	653379.81
4183806.98	0.03120	(17121208)		
653429.81	4183806.98	0.02524	(17121208)	653479.81
4183806.98	0.02791	(17030308)		
653529.81	4183806.98	0.03534	(17030308)	653579.81
4183806.98	0.04149	(17030308)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653629.81	4183806.98	0.04535	(17030308)	653679.81
4183806.98	0.04716	(17010616)		

4183806.98	653729.81	4183806.98	0.05031	(17010616)	653779.81
4183806.98	653829.81	4183806.98	0.04828	(17010616)	653879.81
4183806.98	653929.81	4183806.98	0.03624	(17010616)	653979.81
4183806.98	654029.81	4183806.98	0.03519	(17110708)	654079.81
4183806.98	654129.81	4183806.98	0.03235	(17110708)	654179.81
4183806.98	654229.81	4183806.98	0.03147	(17011608)	654279.81
4183806.98	654329.81	4183806.98	0.02889	(17011608)	654379.81
4183806.98	654429.81	4183806.98	0.02742	(17022408)	654479.81
4183806.98	654529.81	4183806.98	0.02788	(17022408)	654579.81
4183806.98	654629.81	4183806.98	0.02552	(17022408)	654679.81
4183806.98	654729.81	4183806.98	0.02109	(17022408)	654779.81
4183806.98	654829.81	4183806.98	0.01972	(17011116)	654879.81
4183806.98	654929.81	4183806.98	0.02099	(17011116)	654979.81
4183806.98	655029.81	4183806.98	0.02123	(17011116)	655079.81
4183806.98	655129.81	4183806.98	0.02050	(17011116)	652679.81
4183856.98	652729.81	4183856.98	0.02491	(17122916)	652779.81
4183856.98	652829.81	4183856.98	0.03271	(17122916)	652879.81
4183856.98	652929.81	4183856.98	0.03747	(17122916)	652979.81
4183856.98	653029.81	4183856.98	0.03634	(17122916)	653079.81
4183856.98	653129.81	4183856.98	0.03570	(17121208)	653179.81
4183856.98	653229.81	4183856.98	0.03740	(17121208)	653279.81
4183856.98	653329.81	4183856.98	0.03162	(17121208)	653379.81
4183856.98	653429.81	4183856.98	0.02114	(17121208)	653479.81
4183856.98	653529.81	4183856.98	0.03376	(17030308)	653579.81
4183856.98	653629.81	4183856.98	0.04276	(17030308)	653679.81
4183856.98		4183806.98	0.04399	(17010616)	

653729.81	4183856.98	0.04711	(17010616)	653779.81
4183856.98	0.04774	(17010616)		
653829.81	4183856.98	0.04570	(17010616)	653879.81
4183856.98	0.04123	(17010616)		
653929.81	4183856.98	0.03499	(17010616)	653979.81
4183856.98	0.03193	(17110708)		
654029.81	4183856.98	0.03301	(17110708)	654079.81
4183856.98	0.03281	(17110708)		
654129.81	4183856.98	0.03137	(17110708)	654179.81
4183856.98	0.02888	(17110708)		
654229.81	4183856.98	0.02958	(17011608)	654279.81
4183856.98	0.02958	(17011608)		
654329.81	4183856.98	0.02848	(17011608)	654379.81
4183856.98	0.02641	(17011608)		
654429.81	4183856.98	0.02479	(17022408)	654479.81
4183856.98	0.02592	(17022408)		
654529.81	4183856.98	0.02641	(17022408)	654579.81
4183856.98	0.02624	(17022408)		
654629.81	4183856.98	0.02541	(17022408)	654679.81
4183856.98	0.02401	(17022408)		
654729.81	4183856.98	0.02214	(17022408)	654779.81
4183856.98	0.01995	(17022408)		
654829.81	4183856.98	0.01863	(17010908)	654879.81
4183856.98	0.01786	(17011116)		
654929.81	4183856.98	0.01866	(17011116)	654979.81
4183856.98	0.01925	(17011116)		
655029.81	4183856.98	0.01960	(17011116)	655079.81
4183856.98	0.01973	(17011116)		

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 Manteca\Maverik Manteca_operations\Mave *** 03/03/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

4183906.98	655129.81	4183856.98	0.01963	(17011116)	652679.81
		0.02320 (17122916)			
4183906.98	652729.81	4183906.98	0.02684	(17122916)	652779.81
		0.03020 (17122916)			
4183906.98	652829.81	4183906.98	0.03291	(17122916)	652879.81
		0.03466 (17122916)			
4183906.98	652929.81	4183906.98	0.03514	(17122916)	652979.81
		0.03416 (17122916)			
4183906.98	653029.81	4183906.98	0.03175	(17122916)	653079.81
		0.03221 (17121208)			
4183906.98	653129.81	4183906.98	0.03442	(17121208)	653179.81
		0.03511 (17121208)			
4183906.98	653229.81	4183906.98	0.03410	(17121208)	653279.81
		0.03146 (17121208)			
4183906.98	653329.81	4183906.98	0.02750	(17121208)	653379.81
		0.02272 (17121208)			
4183906.98	653429.81	4183906.98	0.01963	(17030308)	653479.81
		0.02611 (17030308)			
4183906.98	653529.81	4183906.98	0.03232	(17030308)	653579.81
		0.03735 (17030308)			
4183906.98	653629.81	4183906.98	0.04042	(17030308)	653679.81
		0.04117 (17010616)			
4183906.98	653729.81	4183906.98	0.04424	(17010616)	653779.81
		0.04503 (17010616)			
4183906.98	653829.81	4183906.98	0.04337	(17010616)	653879.81
		0.03944 (17010616)			
4183906.98	653929.81	4183906.98	0.03382	(17010616)	653979.81
		0.02945 (17110708)			
4183906.98	654029.81	4183906.98	0.03086	(17110708)	654079.81
		0.03113 (17110708)			
4183906.98	654129.81	4183906.98	0.03026	(17110708)	654179.81
		0.02835 (17110708)			
4183906.98	654229.81	4183906.98	0.02753	(17011608)	654279.81
		0.02811 (17011608)			
4183906.98	654329.81	4183906.98	0.02770	(17011608)	654379.81
		0.02632 (17011608)			
4183906.98	654429.81	4183906.98	0.02412	(17011608)	654479.81
		0.02355 (17022408)			
4183906.98	654529.81	4183906.98	0.02454	(17022408)	654579.81
		0.02495 (17022408)			
4183906.98	654629.81	4183906.98	0.02474	(17022408)	654679.81
		0.02395 (17022408)			
4183906.98	654729.81	4183906.98	0.02264	(17022408)	654779.81
		0.02092 (17022408)			
4183906.98	654829.81	4183906.98	0.01891	(17022408)	654879.81
		0.01767 (17010908)			
4183906.98	654929.81	4183906.98	0.01691	(17010908)	654979.81
		0.01703 (17011116)			
4183906.98	655029.81	4183906.98	0.01766	(17011116)	655079.81
		0.01810 (17011116)			

655129.81	4183906.98	0.01833	(17011116)	652679.81
4183956.98	0.02496 (17122916)			
652729.81	4183956.98	0.02799	(17122916)	652779.81
4183956.98	0.03049 (17122916)			
652829.81	4183956.98	0.03217	(17122916)	652879.81
4183956.98	0.03278 (17122916)			
652929.81	4183956.98	0.03214	(17122916)	652979.81
4183956.98	0.03025 (17122916)			
653029.81	4183956.98	0.02903	(17121208)	653079.81
4183956.98	0.03149 (17121208)			
653129.81	4183956.98	0.03273	(17121208)	653179.81
4183956.98	0.03252 (17121208)			
653229.81	4183956.98	0.03083	(17121208)	653279.81
4183956.98	0.02781 (17121208)			
653329.81	4183956.98	0.02382	(17121208)	653379.81
4183956.98	0.01932 (17121208)			
653429.81	4183956.98	0.01929	(17030308)	653479.81
4183956.98	0.02530 (17030308)			
653529.81	4183956.98	0.03099	(17030308)	653579.81
4183956.98	0.03555 (17030308)			
653629.81	4183956.98	0.03828	(17030308)	653679.81
4183956.98	0.03876 (17030308)			
653729.81	4183956.98	0.04165	(17010616)	653779.81
4183956.98	0.04257 (17010616)			
653829.81	4183956.98	0.04123	(17010616)	653879.81
4183956.98	0.03778 (17010616)			
653929.81	4183956.98	0.03272	(17010616)	653979.81
4183956.98	0.02711 (17110708)			
654029.81	4183956.98	0.02878	(17110708)	654079.81
4183956.98	0.02944 (17110708)			

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*** AERMET - VERSION 18081 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

654129.81	4183956.98	0.02904	(17110708)	654179.81
4183956.98	0.02766 (17110708)			
654229.81	4183956.98	0.02544	(17110708)	654279.81
4183956.98	0.02644 (17011608)			
654329.81	4183956.98	0.02661	(17011608)	654379.81
4183956.98	0.02587 (17011608)			
654429.81	4183956.98	0.02428	(17011608)	654479.81
4183956.98	0.02201 (17011608)			
654529.81	4183956.98	0.02242	(17022408)	654579.81
4183956.98	0.02328 (17022408)			
654629.81	4183956.98	0.02361	(17022408)	654679.81
4183956.98	0.02338 (17022408)			
654729.81	4183956.98	0.02263	(17022408)	654779.81
4183956.98	0.02141 (17022408)			
654829.81	4183956.98	0.01982	(17022408)	654879.81
4183956.98	0.01797 (17022408)			
654929.81	4183956.98	0.01680	(17010908)	654979.81
4183956.98	0.01614 (17010908)			
655029.81	4183956.98	0.01555	(17011116)	655079.81
4183956.98	0.01622 (17011116)			
655129.81	4183956.98	0.01671	(17011116)	652679.81
4184006.98	0.02605 (17122916)			
652729.81	4184006.98	0.02835	(17122916)	652779.81
4184006.98	0.02996 (17122916)			
652829.81	4184006.98	0.03066	(17122916)	652879.81
4184006.98	0.03028 (17122916)			
652929.81	4184006.98	0.02880	(17122916)	652979.81
4184006.98	0.02639 (17122908)			
653029.81	4184006.98	0.02874	(17121208)	653079.81
4184006.98	0.03036 (17121208)			
653129.81	4184006.98	0.03077	(17121208)	653179.81
4184006.98	0.02986 (17121208)			
653229.81	4184006.98	0.02768	(17121208)	653279.81
4184006.98	0.02447 (17121208)			
653329.81	4184006.98	0.02057	(17121208)	653379.81
4184006.98	0.01641 (17121208)			
653429.81	4184006.98	0.01895	(17030308)	653479.81
4184006.98	0.02453 (17030308)			
653529.81	4184006.98	0.02975	(17030308)	653579.81
4184006.98	0.03389 (17030308)			
653629.81	4184006.98	0.03634	(17030308)	653679.81
4184006.98	0.03670 (17030308)			
653729.81	4184006.98	0.03933	(17010616)	653779.81
4184006.98	0.04035 (17010616)			
653829.81	4184006.98	0.03928	(17010616)	653879.81
4184006.98	0.03624 (17010616)			
653929.81	4184006.98	0.03168	(17010616)	653979.81
4184006.98	0.02628 (17010616)			

654029.81	4184006.98	0.02677	(17110708)	654079.81
4184006.98	0.02775	(17110708)		
654129.81	4184006.98	0.02776	(17110708)	654179.81
4184006.98	0.02684	(17110708)		
654229.81	4184006.98	0.02510	(17110708)	654279.81
4184006.98	0.02463	(17011608)		
654329.81	4184006.98	0.02528	(17011608)	654379.81
4184006.98	0.02510	(17011608)		
654429.81	4184006.98	0.02409	(17011608)	654479.81
4184006.98	0.02237	(17011608)		
654529.81	4184006.98	0.02015	(17022408)	654579.81
4184006.98	0.02136	(17022408)		
654629.81	4184006.98	0.02212	(17022408)	654679.81
4184006.98	0.02239	(17022408)		
654729.81	4184006.98	0.02215	(17022408)	654779.81
4184006.98	0.02143	(17022408)		
654829.81	4184006.98	0.02029	(17022408)	654879.81
4184006.98	0.01882	(17022408)		
654929.81	4184006.98	0.01711	(17022408)	654979.81
4184006.98	0.01598	(17010908)		
655029.81	4184006.98	0.01542	(17010908)	655079.81
4184006.98	0.01466	(17010908)		
655129.81	4184006.98	0.01491	(17011116)	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (8760
 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE GRID-ID		

ALL	1ST HIGHEST VALUE IS	0.05576 AT (653729.81, 4183056.98,	7.71,
	7.71, 0.00) DC		
	2ND HIGHEST VALUE IS	0.05163 AT (653929.81, 4182856.98,	7.42,
	7.42, 0.00) DC		

3RD HIGHEST VALUE IS 0.05098 AT (653929.81, 4182806.98, 7.34,
 7.34, 0.00) DC
 4TH HIGHEST VALUE IS 0.04878 AT (653579.81, 4183006.98, 7.37,
 7.37, 0.00) DC
 5TH HIGHEST VALUE IS 0.04849 AT (653829.81, 4183006.98, 7.69,
 7.69, 0.00) DC
 6TH HIGHEST VALUE IS 0.04721 AT (653879.81, 4182756.98, 7.15,
 7.15, 0.00) DC
 7TH HIGHEST VALUE IS 0.04492 AT (653929.81, 4182906.98, 7.54,
 7.54, 0.00) DC
 8TH HIGHEST VALUE IS 0.04471 AT (653529.81, 4183056.98, 7.41,
 7.41, 0.00) DC
 9TH HIGHEST VALUE IS 0.03748 AT (653929.81, 4182756.98, 7.32,
 7.32, 0.00) DC
 10TH HIGHEST VALUE IS 0.03401 AT (653829.81, 4182756.98, 6.94,
 6.94, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE GRID-ID	(YYMMDDHH)	
-----	-----	-----	-----
-----	-----	-----	-----

ALL HIGH 1ST HIGH VALUE IS 3.09242 ON 17122609: AT (653529.81,
 4183056.98, 7.41, 7.41, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR

DC = DISCCART
DP = DISCPOLR

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave *** 03/03/22
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	DATE	RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE GRID-ID	(YYMMDDHH)	

ALL HIGH 1ST HIGH VALUE IS 0.71451 ON 17010616: AT (653729.81,
4183056.98, 7.71, 7.71, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave *** 03/03/22
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 6 Warning Message(s)
A Total of 228 Informational Message(s)
A Total of 8760 Hours Were Processed

A Total of 36 Calm Hours Identified

A Total of 192 Missing Hours Identified (2.19 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 104 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 104 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

MX W420 5704 METQA: Wind Speed Out-of-Range. KURDAT =
17082616
MX W420 5728 METQA: Wind Speed Out-of-Range. KURDAT =
17082716
MX W420 5734 METQA: Wind Speed Out-of-Range. KURDAT =
17082722
MX W420 5740 METQA: Wind Speed Out-of-Range. KURDAT =
17082804

*** AERMOD Finishes Successfully ***

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**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 3/4/2022
** File: C:\Lakes\AERMOD View\Maverik Manteca\Maverik Manteca_operations\Maverik
Manteca_operations.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Maverik Manteca\Maverik Manteca_operations\Mave
  MODELOPT DFAULT CONC
  AVERTIME 1 24 PERIOD
  URBANOPT 762148
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Maverik Manteca_operations.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC SR-120 EB_Mainline to Off-Ramp
** PREFIX
** Length of Side = 8.71
** Configuration = Adjacent
** Emission Rate = 0.0000721
** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 14
** 651373.973, 4183627.372, 13.52, 3.15, 4.05
** 651490.563, 4183590.497, 14.86, 3.15, 4.05
** 652159.058, 4183381.290, 8.32, 3.15, 4.05

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** 652410.750, 4183303.847, 6.72, 3.15, 4.05
 ** 652591.979, 4183242.506, 7.32, 3.15, 4.05
 ** 652719.548, 4183208.198, 7.06, 3.15, 4.05
 ** 652804.483, 4183189.213, 6.92, 3.15, 4.05
 ** 652869.767, 4183178.554, 6.86, 3.15, 4.05
 ** 652970.024, 4183167.230, 6.83, 3.15, 4.05
 ** 653012.192, 4183164.258, 6.83, 3.15, 4.05
 ** 653070.277, 4183162.632, 6.84, 3.15, 4.05
 ** 653167.675, 4183163.371, 6.81, 3.15, 4.05
 ** 653328.735, 4183166.583, 6.92, 3.15, 4.05
 ** 653412.443, 4183165.244, 7.09, 3.15, 4.05

** -----

LOCATION L0011332	VOLUME	651378.125	4183626.059	14.34
LOCATION L0011333	VOLUME	651386.430	4183623.432	14.58
LOCATION L0011334	VOLUME	651394.734	4183620.806	14.85
LOCATION L0011335	VOLUME	651403.039	4183618.179	15.09
LOCATION L0011336	VOLUME	651411.343	4183615.552	15.43
LOCATION L0011337	VOLUME	651419.648	4183612.926	15.19
LOCATION L0011338	VOLUME	651427.952	4183610.299	14.83
LOCATION L0011339	VOLUME	651436.257	4183607.673	14.59
LOCATION L0011340	VOLUME	651444.561	4183605.046	14.40
LOCATION L0011341	VOLUME	651452.866	4183602.420	14.30
LOCATION L0011342	VOLUME	651461.171	4183599.793	14.34
LOCATION L0011343	VOLUME	651469.475	4183597.167	14.44
LOCATION L0011344	VOLUME	651477.780	4183594.540	14.61
LOCATION L0011345	VOLUME	651486.084	4183591.913	14.91
LOCATION L0011346	VOLUME	651494.392	4183589.299	15.01
LOCATION L0011347	VOLUME	651502.705	4183586.697	14.97
LOCATION L0011348	VOLUME	651511.017	4183584.096	14.57
LOCATION L0011349	VOLUME	651519.330	4183581.494	13.61
LOCATION L0011350	VOLUME	651527.642	4183578.893	12.48
LOCATION L0011351	VOLUME	651535.955	4183576.292	11.41
LOCATION L0011352	VOLUME	651544.267	4183573.690	10.63
LOCATION L0011353	VOLUME	651552.579	4183571.089	10.19
LOCATION L0011354	VOLUME	651560.892	4183568.487	10.02
LOCATION L0011355	VOLUME	651569.204	4183565.886	10.39
LOCATION L0011356	VOLUME	651577.517	4183563.285	11.13
LOCATION L0011357	VOLUME	651585.829	4183560.683	12.16
LOCATION L0011358	VOLUME	651594.142	4183558.082	13.13
LOCATION L0011359	VOLUME	651602.454	4183555.480	13.65
LOCATION L0011360	VOLUME	651610.767	4183552.879	13.78
LOCATION L0011361	VOLUME	651619.079	4183550.278	13.68
LOCATION L0011362	VOLUME	651627.392	4183547.676	13.61
LOCATION L0011363	VOLUME	651635.704	4183545.075	13.62
LOCATION L0011364	VOLUME	651644.016	4183542.473	13.61
LOCATION L0011365	VOLUME	651652.329	4183539.872	13.69
LOCATION L0011366	VOLUME	651660.641	4183537.271	13.89
LOCATION L0011367	VOLUME	651668.954	4183534.669	14.07
LOCATION L0011368	VOLUME	651677.266	4183532.068	14.32
LOCATION L0011369	VOLUME	651685.579	4183529.467	14.67

LOCATION	L0011370	VOLUME	651693.891	4183526.865	14.70
LOCATION	L0011371	VOLUME	651702.204	4183524.264	14.39
LOCATION	L0011372	VOLUME	651710.516	4183521.662	14.17
LOCATION	L0011373	VOLUME	651718.829	4183519.061	13.92
LOCATION	L0011374	VOLUME	651727.141	4183516.460	13.78
LOCATION	L0011375	VOLUME	651735.453	4183513.858	13.76
LOCATION	L0011376	VOLUME	651743.766	4183511.257	13.78
LOCATION	L0011377	VOLUME	651752.078	4183508.655	13.92
LOCATION	L0011378	VOLUME	651760.391	4183506.054	14.17
LOCATION	L0011379	VOLUME	651768.703	4183503.453	14.35
LOCATION	L0011380	VOLUME	651777.016	4183500.851	14.62
LOCATION	L0011381	VOLUME	651785.328	4183498.250	14.87
LOCATION	L0011382	VOLUME	651793.641	4183495.648	14.49
LOCATION	L0011383	VOLUME	651801.953	4183493.047	14.19
LOCATION	L0011384	VOLUME	651810.265	4183490.446	13.97
LOCATION	L0011385	VOLUME	651818.578	4183487.844	13.78
LOCATION	L0011386	VOLUME	651826.890	4183485.243	13.72
LOCATION	L0011387	VOLUME	651835.203	4183482.641	13.76
LOCATION	L0011388	VOLUME	651843.515	4183480.040	13.82
LOCATION	L0011389	VOLUME	651851.828	4183477.439	14.00
LOCATION	L0011390	VOLUME	651860.140	4183474.837	14.25
LOCATION	L0011391	VOLUME	651868.453	4183472.236	14.43
LOCATION	L0011392	VOLUME	651876.765	4183469.635	14.71
LOCATION	L0011393	VOLUME	651885.078	4183467.033	14.44
LOCATION	L0011394	VOLUME	651893.390	4183464.432	14.08
LOCATION	L0011395	VOLUME	651901.702	4183461.830	13.82
LOCATION	L0011396	VOLUME	651910.015	4183459.229	13.63
LOCATION	L0011397	VOLUME	651918.327	4183456.628	13.47
LOCATION	L0011398	VOLUME	651926.640	4183454.026	13.43
LOCATION	L0011399	VOLUME	651934.952	4183451.425	13.46
LOCATION	L0011400	VOLUME	651943.265	4183448.823	13.50
LOCATION	L0011401	VOLUME	651951.577	4183446.222	13.64
LOCATION	L0011402	VOLUME	651959.890	4183443.621	13.78
LOCATION	L0011403	VOLUME	651968.202	4183441.019	13.86
LOCATION	L0011404	VOLUME	651976.515	4183438.418	13.61
LOCATION	L0011405	VOLUME	651984.827	4183435.816	13.20
LOCATION	L0011406	VOLUME	651993.139	4183433.215	12.77
LOCATION	L0011407	VOLUME	652001.452	4183430.614	12.45
LOCATION	L0011408	VOLUME	652009.764	4183428.012	12.18
LOCATION	L0011409	VOLUME	652018.077	4183425.411	11.94
LOCATION	L0011410	VOLUME	652026.389	4183422.809	11.83
LOCATION	L0011411	VOLUME	652034.702	4183420.208	11.74
LOCATION	L0011412	VOLUME	652043.014	4183417.607	11.64
LOCATION	L0011413	VOLUME	652051.327	4183415.005	11.64
LOCATION	L0011414	VOLUME	652059.639	4183412.404	11.60
LOCATION	L0011415	VOLUME	652067.952	4183409.803	11.26
LOCATION	L0011416	VOLUME	652076.264	4183407.201	10.82
LOCATION	L0011417	VOLUME	652084.576	4183404.600	10.37
LOCATION	L0011418	VOLUME	652092.889	4183401.998	9.95
LOCATION	L0011419	VOLUME	652101.201	4183399.397	9.62

LOCATION	L0011420	VOLUME	652109.514	4183396.796	9.33
LOCATION	L0011421	VOLUME	652117.826	4183394.194	9.07
LOCATION	L0011422	VOLUME	652126.139	4183391.593	8.90
LOCATION	L0011423	VOLUME	652134.451	4183388.991	8.73
LOCATION	L0011424	VOLUME	652142.764	4183386.390	8.57
LOCATION	L0011425	VOLUME	652151.076	4183383.789	8.46
LOCATION	L0011426	VOLUME	652159.389	4183381.189	8.23
LOCATION	L0011427	VOLUME	652167.714	4183378.627	7.88
LOCATION	L0011428	VOLUME	652176.039	4183376.066	7.58
LOCATION	L0011429	VOLUME	652184.363	4183373.504	7.31
LOCATION	L0011430	VOLUME	652192.688	4183370.943	7.08
LOCATION	L0011431	VOLUME	652201.013	4183368.381	6.91
LOCATION	L0011432	VOLUME	652209.338	4183365.820	6.75
LOCATION	L0011433	VOLUME	652217.663	4183363.258	6.62
LOCATION	L0011434	VOLUME	652225.988	4183360.697	6.53
LOCATION	L0011435	VOLUME	652234.312	4183358.135	6.43
LOCATION	L0011436	VOLUME	652242.637	4183355.574	6.34
LOCATION	L0011437	VOLUME	652250.962	4183353.012	6.25
LOCATION	L0011438	VOLUME	652259.287	4183350.451	6.06
LOCATION	L0011439	VOLUME	652267.612	4183347.889	5.88
LOCATION	L0011440	VOLUME	652275.937	4183345.328	5.73
LOCATION	L0011441	VOLUME	652284.262	4183342.766	5.67
LOCATION	L0011442	VOLUME	652292.586	4183340.205	5.66
LOCATION	L0011443	VOLUME	652300.911	4183337.643	5.69
LOCATION	L0011444	VOLUME	652309.236	4183335.082	5.77
LOCATION	L0011445	VOLUME	652317.561	4183332.521	5.87
LOCATION	L0011446	VOLUME	652325.886	4183329.959	5.99
LOCATION	L0011447	VOLUME	652334.211	4183327.398	6.03
LOCATION	L0011448	VOLUME	652342.535	4183324.836	6.08
LOCATION	L0011449	VOLUME	652350.860	4183322.275	6.13
LOCATION	L0011450	VOLUME	652359.185	4183319.713	6.20
LOCATION	L0011451	VOLUME	652367.510	4183317.152	6.28
LOCATION	L0011452	VOLUME	652375.835	4183314.590	6.37
LOCATION	L0011453	VOLUME	652384.160	4183312.029	6.44
LOCATION	L0011454	VOLUME	652392.484	4183309.467	6.52
LOCATION	L0011455	VOLUME	652400.809	4183306.906	6.60
LOCATION	L0011456	VOLUME	652409.134	4183304.344	6.65
LOCATION	L0011457	VOLUME	652417.399	4183301.597	6.70
LOCATION	L0011458	VOLUME	652425.649	4183298.804	6.76
LOCATION	L0011459	VOLUME	652433.899	4183296.012	6.80
LOCATION	L0011460	VOLUME	652442.149	4183293.219	6.80
LOCATION	L0011461	VOLUME	652450.400	4183290.427	6.79
LOCATION	L0011462	VOLUME	652458.650	4183287.634	6.80
LOCATION	L0011463	VOLUME	652466.900	4183284.842	6.81
LOCATION	L0011464	VOLUME	652475.150	4183282.049	6.83
LOCATION	L0011465	VOLUME	652483.400	4183279.257	6.87
LOCATION	L0011466	VOLUME	652491.651	4183276.464	6.92
LOCATION	L0011467	VOLUME	652499.901	4183273.672	6.97
LOCATION	L0011468	VOLUME	652508.151	4183270.879	7.04
LOCATION	L0011469	VOLUME	652516.401	4183268.087	7.10

LOCATION L0011470	VOLUME	652524.652	4183265.294	7.16
LOCATION L0011471	VOLUME	652532.902	4183262.502	7.17
LOCATION L0011472	VOLUME	652541.152	4183259.709	7.18
LOCATION L0011473	VOLUME	652549.402	4183256.917	7.19
LOCATION L0011474	VOLUME	652557.652	4183254.124	7.20
LOCATION L0011475	VOLUME	652565.903	4183251.332	7.22
LOCATION L0011476	VOLUME	652574.153	4183248.539	7.24
LOCATION L0011477	VOLUME	652582.403	4183245.747	7.24
LOCATION L0011478	VOLUME	652590.653	4183242.954	7.25
LOCATION L0011479	VOLUME	652599.039	4183240.607	7.25
LOCATION L0011480	VOLUME	652607.450	4183238.345	7.24
LOCATION L0011481	VOLUME	652615.861	4183236.083	7.22
LOCATION L0011482	VOLUME	652624.272	4183233.821	7.18
LOCATION L0011483	VOLUME	652632.683	4183231.559	7.13
LOCATION L0011484	VOLUME	652641.094	4183229.297	7.09
LOCATION L0011485	VOLUME	652649.505	4183227.035	7.07
LOCATION L0011486	VOLUME	652657.917	4183224.773	7.05
LOCATION L0011487	VOLUME	652666.328	4183222.511	7.03
LOCATION L0011488	VOLUME	652674.739	4183220.249	7.02
LOCATION L0011489	VOLUME	652683.150	4183217.987	7.02
LOCATION L0011490	VOLUME	652691.561	4183215.725	7.02
LOCATION L0011491	VOLUME	652699.972	4183213.463	7.03
LOCATION L0011492	VOLUME	652708.384	4183211.201	7.04
LOCATION L0011493	VOLUME	652716.795	4183208.939	7.06
LOCATION L0011494	VOLUME	652725.266	4183206.920	7.06
LOCATION L0011495	VOLUME	652733.766	4183205.020	7.06
LOCATION L0011496	VOLUME	652742.266	4183203.120	7.06
LOCATION L0011497	VOLUME	652750.766	4183201.220	7.05
LOCATION L0011498	VOLUME	652759.267	4183199.320	7.03
LOCATION L0011499	VOLUME	652767.767	4183197.420	7.01
LOCATION L0011500	VOLUME	652776.267	4183195.520	6.99
LOCATION L0011501	VOLUME	652784.767	4183193.620	6.97
LOCATION L0011502	VOLUME	652793.268	4183191.720	6.95
LOCATION L0011503	VOLUME	652801.768	4183189.820	6.93
LOCATION L0011504	VOLUME	652810.333	4183188.258	6.92
LOCATION L0011505	VOLUME	652818.930	4183186.854	6.90
LOCATION L0011506	VOLUME	652827.526	4183185.451	6.89
LOCATION L0011507	VOLUME	652836.122	4183184.047	6.88
LOCATION L0011508	VOLUME	652844.718	4183182.644	6.87
LOCATION L0011509	VOLUME	652853.314	4183181.240	6.87
LOCATION L0011510	VOLUME	652861.910	4183179.837	6.86
LOCATION L0011511	VOLUME	652870.512	4183178.470	6.85
LOCATION L0011512	VOLUME	652879.167	4183177.493	6.84
LOCATION L0011513	VOLUME	652887.822	4183176.515	6.84
LOCATION L0011514	VOLUME	652896.477	4183175.537	6.83
LOCATION L0011515	VOLUME	652905.132	4183174.560	6.83
LOCATION L0011516	VOLUME	652913.787	4183173.582	6.83
LOCATION L0011517	VOLUME	652922.441	4183172.604	6.83
LOCATION L0011518	VOLUME	652931.096	4183171.627	6.83
LOCATION L0011519	VOLUME	652939.751	4183170.649	6.83

LOCATION	L0011520	VOLUME	652948.406	4183169.671	6.83
LOCATION	L0011521	VOLUME	652957.061	4183168.694	6.83
LOCATION	L0011522	VOLUME	652965.716	4183167.716	6.83
LOCATION	L0011523	VOLUME	652974.388	4183166.922	6.83
LOCATION	L0011524	VOLUME	652983.076	4183166.310	6.83
LOCATION	L0011525	VOLUME	652991.765	4183165.697	6.83
LOCATION	L0011526	VOLUME	653000.453	4183165.085	6.83
LOCATION	L0011527	VOLUME	653009.142	4183164.473	6.83
LOCATION	L0011528	VOLUME	653017.842	4183164.099	6.83
LOCATION	L0011529	VOLUME	653026.549	4183163.856	6.83
LOCATION	L0011530	VOLUME	653035.255	4183163.612	6.83
LOCATION	L0011531	VOLUME	653043.962	4183163.368	6.84
LOCATION	L0011532	VOLUME	653052.668	4183163.125	6.84
LOCATION	L0011533	VOLUME	653061.375	4183162.881	6.84
LOCATION	L0011534	VOLUME	653070.082	4183162.637	6.84
LOCATION	L0011535	VOLUME	653078.791	4183162.696	6.84
LOCATION	L0011536	VOLUME	653087.501	4183162.762	6.84
LOCATION	L0011537	VOLUME	653096.211	4183162.829	6.84
LOCATION	L0011538	VOLUME	653104.921	4183162.895	6.84
LOCATION	L0011539	VOLUME	653113.630	4183162.961	6.84
LOCATION	L0011540	VOLUME	653122.340	4183163.027	6.83
LOCATION	L0011541	VOLUME	653131.050	4183163.093	6.83
LOCATION	L0011542	VOLUME	653139.760	4183163.159	6.82
LOCATION	L0011543	VOLUME	653148.469	4183163.225	6.82
LOCATION	L0011544	VOLUME	653157.179	4183163.291	6.81
LOCATION	L0011545	VOLUME	653165.889	4183163.357	6.81
LOCATION	L0011546	VOLUME	653174.597	4183163.509	6.81
LOCATION	L0011547	VOLUME	653183.306	4183163.682	6.81
LOCATION	L0011548	VOLUME	653192.014	4183163.856	6.81
LOCATION	L0011549	VOLUME	653200.722	4183164.030	6.81
LOCATION	L0011550	VOLUME	653209.430	4183164.203	6.81
LOCATION	L0011551	VOLUME	653218.139	4183164.377	6.81
LOCATION	L0011552	VOLUME	653226.847	4183164.551	6.81
LOCATION	L0011553	VOLUME	653235.555	4183164.724	6.81
LOCATION	L0011554	VOLUME	653244.263	4183164.898	6.82
LOCATION	L0011555	VOLUME	653252.972	4183165.072	6.82
LOCATION	L0011556	VOLUME	653261.680	4183165.245	6.83
LOCATION	L0011557	VOLUME	653270.388	4183165.419	6.83
LOCATION	L0011558	VOLUME	653279.097	4183165.593	6.84
LOCATION	L0011559	VOLUME	653287.805	4183165.766	6.85
LOCATION	L0011560	VOLUME	653296.513	4183165.940	6.86
LOCATION	L0011561	VOLUME	653305.221	4183166.114	6.86
LOCATION	L0011562	VOLUME	653313.930	4183166.287	6.88
LOCATION	L0011563	VOLUME	653322.638	4183166.461	6.89
LOCATION	L0011564	VOLUME	653331.346	4183166.541	6.91
LOCATION	L0011565	VOLUME	653340.055	4183166.402	6.92
LOCATION	L0011566	VOLUME	653348.764	4183166.262	6.94
LOCATION	L0011567	VOLUME	653357.473	4183166.123	6.95
LOCATION	L0011568	VOLUME	653366.182	4183165.984	6.97
LOCATION	L0011569	VOLUME	653374.891	4183165.845	6.98

LOCATION L0011570	VOLUME	653383.600	4183165.706	7.00
LOCATION L0011571	VOLUME	653392.309	4183165.566	7.02
LOCATION L0011572	VOLUME	653401.017	4183165.427	7.05
LOCATION L0011573	VOLUME	653409.726	4183165.288	7.08

** End of LINE VOLUME Source ID = SLINE1

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC SR-120 EB_Off-Ramp

** PREFIX

** Length of Side = 8.71

** Configuration = Adjacent

** Emission Rate = 8.68E-06

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 14

** 653410.448, 4183165.581, 7.08, 3.15, 4.05

** 653443.694, 4183163.543, 7.22, 3.15, 4.05

** 653483.683, 4183160.720, 7.37, 3.15, 4.05

** 653509.558, 4183158.838, 7.48, 3.15, 4.05

** 653534.492, 4183156.172, 7.56, 3.15, 4.05

** 653555.506, 4183151.781, 7.61, 3.15, 4.05

** 653579.180, 4183145.869, 7.66, 3.15, 4.05

** 653606.156, 4183135.832, 7.70, 3.15, 4.05

** 653626.544, 4183126.265, 7.75, 3.15, 4.05

** 653651.011, 4183113.562, 7.75, 3.15, 4.05

** 653689.749, 4183092.389, 7.78, 3.15, 4.05

** 653765.803, 4183047.870, 7.72, 3.15, 4.05

** 653842.499, 4183005.994, 7.73, 3.15, 4.05

** 653912.879, 4182968.088, 7.71, 3.15, 4.05

**

LOCATION L0011574 VOLUME 653414.794 4183165.315 7.10

LOCATION L0011575 VOLUME 653423.488 4183164.782 7.13

LOCATION L0011576 VOLUME 653432.182 4183164.248 7.17

LOCATION L0011577 VOLUME 653440.876 4183163.715 7.21

LOCATION L0011578 VOLUME 653449.566 4183163.128 7.25

LOCATION L0011579 VOLUME 653458.254 4183162.515 7.28

LOCATION L0011580 VOLUME 653466.942 4183161.901 7.32

LOCATION L0011581 VOLUME 653475.631 4183161.288 7.36

LOCATION L0011582 VOLUME 653484.319 4183160.674 7.39

LOCATION L0011583 VOLUME 653493.006 4183160.042 7.43

LOCATION L0011584 VOLUME 653501.693 4183159.410 7.46

LOCATION L0011585 VOLUME 653510.378 4183158.750 7.50

LOCATION L0011586 VOLUME 653519.038 4183157.824 7.52

LOCATION L0011587 VOLUME 653527.699 4183156.898 7.55

LOCATION L0011588 VOLUME 653536.331 4183155.788 7.57

LOCATION L0011589 VOLUME 653544.856 4183154.006 7.59

LOCATION L0011590 VOLUME 653553.382 4183152.225 7.61

LOCATION L0011591 VOLUME 653561.852 4183150.197 7.63

LOCATION L0011592 VOLUME 653570.302 4183148.086 7.65

LOCATION	L0011593	VOLUME	653578.753	4183145.976	7.67
LOCATION	L0011594	VOLUME	653586.930	4183142.986	7.68
LOCATION	L0011595	VOLUME	653595.094	4183139.948	7.70
LOCATION	L0011596	VOLUME	653603.257	4183136.911	7.71
LOCATION	L0011597	VOLUME	653611.241	4183133.446	7.72
LOCATION	L0011598	VOLUME	653619.126	4183129.746	7.73
LOCATION	L0011599	VOLUME	653627.002	4183126.028	7.73
LOCATION	L0011600	VOLUME	653634.732	4183122.014	7.74
LOCATION	L0011601	VOLUME	653642.462	4183118.000	7.75
LOCATION	L0011602	VOLUME	653650.192	4183113.987	7.76
LOCATION	L0011603	VOLUME	653657.844	4183109.827	7.76
LOCATION	L0011604	VOLUME	653665.487	4183105.649	7.75
LOCATION	L0011605	VOLUME	653673.130	4183101.472	7.75
LOCATION	L0011606	VOLUME	653680.773	4183097.295	7.75
LOCATION	L0011607	VOLUME	653688.416	4183093.117	7.75
LOCATION	L0011608	VOLUME	653695.955	4183088.756	7.75
LOCATION	L0011609	VOLUME	653703.471	4183084.356	7.75
LOCATION	L0011610	VOLUME	653710.988	4183079.956	7.75
LOCATION	L0011611	VOLUME	653718.505	4183075.556	7.76
LOCATION	L0011612	VOLUME	653726.022	4183071.156	7.76
LOCATION	L0011613	VOLUME	653733.539	4183066.756	7.75
LOCATION	L0011614	VOLUME	653741.056	4183062.356	7.75
LOCATION	L0011615	VOLUME	653748.573	4183057.956	7.74
LOCATION	L0011616	VOLUME	653756.090	4183053.556	7.74
LOCATION	L0011617	VOLUME	653763.607	4183049.156	7.74
LOCATION	L0011618	VOLUME	653771.214	4183044.916	7.74
LOCATION	L0011619	VOLUME	653778.859	4183040.742	7.74
LOCATION	L0011620	VOLUME	653786.503	4183036.568	7.73
LOCATION	L0011621	VOLUME	653794.148	4183032.393	7.73
LOCATION	L0011622	VOLUME	653801.793	4183028.219	7.73
LOCATION	L0011623	VOLUME	653809.437	4183024.045	7.72
LOCATION	L0011624	VOLUME	653817.082	4183019.871	7.72
LOCATION	L0011625	VOLUME	653824.727	4183015.697	7.72
LOCATION	L0011626	VOLUME	653832.371	4183011.523	7.71
LOCATION	L0011627	VOLUME	653840.016	4183007.349	7.71
LOCATION	L0011628	VOLUME	653847.677	4183003.205	7.71
LOCATION	L0011629	VOLUME	653855.345	4182999.074	7.70
LOCATION	L0011630	VOLUME	653863.014	4182994.944	7.70
LOCATION	L0011631	VOLUME	653870.682	4182990.814	7.69
LOCATION	L0011632	VOLUME	653878.351	4182986.684	7.69
LOCATION	L0011633	VOLUME	653886.019	4182982.554	7.69
LOCATION	L0011634	VOLUME	653893.688	4182978.424	7.69
LOCATION	L0011635	VOLUME	653901.356	4182974.293	7.69
LOCATION	L0011636	VOLUME	653909.025	4182970.163	7.69

** End of LINE VOLUME Source ID = SLINE2

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Airport Way_Yosemite Ave to Atherton Dr

** PREFIX

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** Length of Side = 8.70
** Configuration = Adjacent
** Emission Rate = 0.0000361
** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 9
** 653877.867, 4184750.916, 8.57, 3.15, 4.05
** 653884.095, 4184480.003, 8.52, 3.15, 4.05
** 653893.683, 4183903.930, 9.43, 3.15, 4.05
** 653905.085, 4183629.379, 7.78, 3.15, 4.05
** 653909.214, 4183407.797, 8.30, 3.15, 4.05
** 653913.343, 4183267.415, 8.36, 3.15, 4.05
** 653914.822, 4183156.069, 8.22, 3.15, 4.05
** 653915.263, 4182967.227, 7.71, 3.15, 4.05
** 653919.006, 4182756.022, 7.28, 3.15, 4.05

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LOCATION L0011637    VOLUME  653877.967 4184746.567 8.57
LOCATION L0011638    VOLUME  653878.167 4184737.870 8.59
LOCATION L0011639    VOLUME  653878.367 4184729.172 8.60
LOCATION L0011640    VOLUME  653878.567 4184720.474 8.60
LOCATION L0011641    VOLUME  653878.767 4184711.777 8.61
LOCATION L0011642    VOLUME  653878.967 4184703.079 8.62
LOCATION L0011643    VOLUME  653879.167 4184694.381 8.62
LOCATION L0011644    VOLUME  653879.367 4184685.684 8.63
LOCATION L0011645    VOLUME  653879.567 4184676.986 8.63
LOCATION L0011646    VOLUME  653879.767 4184668.288 8.63
LOCATION L0011647    VOLUME  653879.966 4184659.590 8.62
LOCATION L0011648    VOLUME  653880.166 4184650.893 8.62
LOCATION L0011649    VOLUME  653880.366 4184642.195 8.62
LOCATION L0011650    VOLUME  653880.566 4184633.497 8.61
LOCATION L0011651    VOLUME  653880.766 4184624.800 8.61
LOCATION L0011652    VOLUME  653880.966 4184616.102 8.60
LOCATION L0011653    VOLUME  653881.166 4184607.404 8.60
LOCATION L0011654    VOLUME  653881.366 4184598.707 8.61
LOCATION L0011655    VOLUME  653881.566 4184590.009 8.61
LOCATION L0011656    VOLUME  653881.766 4184581.311 8.61
LOCATION L0011657    VOLUME  653881.966 4184572.613 8.62
LOCATION L0011658    VOLUME  653882.166 4184563.916 8.63
LOCATION L0011659    VOLUME  653882.366 4184555.218 8.63
LOCATION L0011660    VOLUME  653882.566 4184546.520 8.63
LOCATION L0011661    VOLUME  653882.766 4184537.823 8.64
LOCATION L0011662    VOLUME  653882.966 4184529.125 8.64
LOCATION L0011663    VOLUME  653883.166 4184520.427 8.63
LOCATION L0011664    VOLUME  653883.366 4184511.730 8.60
LOCATION L0011665    VOLUME  653883.566 4184503.032 8.58
LOCATION L0011666    VOLUME  653883.765 4184494.334 8.56
LOCATION L0011667    VOLUME  653883.965 4184485.636 8.51
LOCATION L0011668    VOLUME  653884.146 4184476.938 8.47
LOCATION L0011669    VOLUME  653884.291 4184468.240 8.42
LOCATION L0011670    VOLUME  653884.435 4184459.541 8.39

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LOCATION	L0011671	VOLUME	653884.580	4184450.842	8.40
LOCATION	L0011672	VOLUME	653884.725	4184442.143	8.40
LOCATION	L0011673	VOLUME	653884.870	4184433.444	8.41
LOCATION	L0011674	VOLUME	653885.015	4184424.746	8.41
LOCATION	L0011675	VOLUME	653885.159	4184416.047	8.42
LOCATION	L0011676	VOLUME	653885.304	4184407.348	8.43
LOCATION	L0011677	VOLUME	653885.449	4184398.649	8.44
LOCATION	L0011678	VOLUME	653885.594	4184389.950	8.46
LOCATION	L0011679	VOLUME	653885.738	4184381.252	8.49
LOCATION	L0011680	VOLUME	653885.883	4184372.553	8.52
LOCATION	L0011681	VOLUME	653886.028	4184363.854	8.55
LOCATION	L0011682	VOLUME	653886.173	4184355.155	8.60
LOCATION	L0011683	VOLUME	653886.318	4184346.456	8.64
LOCATION	L0011684	VOLUME	653886.462	4184337.758	8.68
LOCATION	L0011685	VOLUME	653886.607	4184329.059	8.73
LOCATION	L0011686	VOLUME	653886.752	4184320.360	8.79
LOCATION	L0011687	VOLUME	653886.897	4184311.661	8.84
LOCATION	L0011688	VOLUME	653887.041	4184302.962	8.90
LOCATION	L0011689	VOLUME	653887.186	4184294.264	8.97
LOCATION	L0011690	VOLUME	653887.331	4184285.565	9.04
LOCATION	L0011691	VOLUME	653887.476	4184276.866	9.10
LOCATION	L0011692	VOLUME	653887.621	4184268.167	9.16
LOCATION	L0011693	VOLUME	653887.765	4184259.468	9.22
LOCATION	L0011694	VOLUME	653887.910	4184250.770	9.28
LOCATION	L0011695	VOLUME	653888.055	4184242.071	9.32
LOCATION	L0011696	VOLUME	653888.200	4184233.372	9.36
LOCATION	L0011697	VOLUME	653888.344	4184224.673	9.40
LOCATION	L0011698	VOLUME	653888.489	4184215.974	9.44
LOCATION	L0011699	VOLUME	653888.634	4184207.276	9.48
LOCATION	L0011700	VOLUME	653888.779	4184198.577	9.52
LOCATION	L0011701	VOLUME	653888.924	4184189.878	9.56
LOCATION	L0011702	VOLUME	653889.068	4184181.179	9.61
LOCATION	L0011703	VOLUME	653889.213	4184172.480	9.66
LOCATION	L0011704	VOLUME	653889.358	4184163.782	9.72
LOCATION	L0011705	VOLUME	653889.503	4184155.083	9.78
LOCATION	L0011706	VOLUME	653889.647	4184146.384	9.82
LOCATION	L0011707	VOLUME	653889.792	4184137.685	9.87
LOCATION	L0011708	VOLUME	653889.937	4184128.987	9.91
LOCATION	L0011709	VOLUME	653890.082	4184120.288	9.95
LOCATION	L0011710	VOLUME	653890.227	4184111.589	9.99
LOCATION	L0011711	VOLUME	653890.371	4184102.890	10.03
LOCATION	L0011712	VOLUME	653890.516	4184094.191	10.07
LOCATION	L0011713	VOLUME	653890.661	4184085.493	10.08
LOCATION	L0011714	VOLUME	653890.806	4184076.794	10.09
LOCATION	L0011715	VOLUME	653890.950	4184068.095	10.10
LOCATION	L0011716	VOLUME	653891.095	4184059.396	10.10
LOCATION	L0011717	VOLUME	653891.240	4184050.697	10.09
LOCATION	L0011718	VOLUME	653891.385	4184041.999	10.08
LOCATION	L0011719	VOLUME	653891.530	4184033.300	10.07
LOCATION	L0011720	VOLUME	653891.674	4184024.601	10.06

LOCATION	L0011721	VOLUME	653891.819	4184015.902	10.04
LOCATION	L0011722	VOLUME	653891.964	4184007.203	10.02
LOCATION	L0011723	VOLUME	653892.109	4183998.505	10.00
LOCATION	L0011724	VOLUME	653892.253	4183989.806	9.97
LOCATION	L0011725	VOLUME	653892.398	4183981.107	9.93
LOCATION	L0011726	VOLUME	653892.543	4183972.408	9.90
LOCATION	L0011727	VOLUME	653892.688	4183963.709	9.85
LOCATION	L0011728	VOLUME	653892.833	4183955.011	9.79
LOCATION	L0011729	VOLUME	653892.977	4183946.312	9.73
LOCATION	L0011730	VOLUME	653893.122	4183937.613	9.67
LOCATION	L0011731	VOLUME	653893.267	4183928.914	9.61
LOCATION	L0011732	VOLUME	653893.412	4183920.215	9.54
LOCATION	L0011733	VOLUME	653893.556	4183911.517	9.48
LOCATION	L0011734	VOLUME	653893.729	4183902.819	9.42
LOCATION	L0011735	VOLUME	653894.090	4183894.126	9.36
LOCATION	L0011736	VOLUME	653894.451	4183885.434	9.30
LOCATION	L0011737	VOLUME	653894.812	4183876.741	9.24
LOCATION	L0011738	VOLUME	653895.173	4183868.049	9.16
LOCATION	L0011739	VOLUME	653895.534	4183859.356	9.08
LOCATION	L0011740	VOLUME	653895.895	4183850.664	9.01
LOCATION	L0011741	VOLUME	653896.256	4183841.971	8.93
LOCATION	L0011742	VOLUME	653896.617	4183833.279	8.84
LOCATION	L0011743	VOLUME	653896.978	4183824.586	8.76
LOCATION	L0011744	VOLUME	653897.339	4183815.894	8.68
LOCATION	L0011745	VOLUME	653897.700	4183807.201	8.60
LOCATION	L0011746	VOLUME	653898.061	4183798.509	8.53
LOCATION	L0011747	VOLUME	653898.422	4183789.816	8.45
LOCATION	L0011748	VOLUME	653898.783	4183781.124	8.38
LOCATION	L0011749	VOLUME	653899.144	4183772.431	8.31
LOCATION	L0011750	VOLUME	653899.505	4183763.739	8.24
LOCATION	L0011751	VOLUME	653899.866	4183755.046	8.17
LOCATION	L0011752	VOLUME	653900.227	4183746.354	8.11
LOCATION	L0011753	VOLUME	653900.588	4183737.661	8.06
LOCATION	L0011754	VOLUME	653900.949	4183728.969	8.00
LOCATION	L0011755	VOLUME	653901.310	4183720.276	7.94
LOCATION	L0011756	VOLUME	653901.671	4183711.583	7.90
LOCATION	L0011757	VOLUME	653902.032	4183702.891	7.85
LOCATION	L0011758	VOLUME	653902.393	4183694.198	7.81
LOCATION	L0011759	VOLUME	653902.754	4183685.506	7.78
LOCATION	L0011760	VOLUME	653903.115	4183676.813	7.76
LOCATION	L0011761	VOLUME	653903.476	4183668.121	7.74
LOCATION	L0011762	VOLUME	653903.837	4183659.428	7.73
LOCATION	L0011763	VOLUME	653904.198	4183650.736	7.74
LOCATION	L0011764	VOLUME	653904.559	4183642.043	7.74
LOCATION	L0011765	VOLUME	653904.920	4183633.351	7.75
LOCATION	L0011766	VOLUME	653905.173	4183624.655	7.78
LOCATION	L0011767	VOLUME	653905.335	4183615.957	7.83
LOCATION	L0011768	VOLUME	653905.498	4183607.258	7.88
LOCATION	L0011769	VOLUME	653905.660	4183598.560	7.93
LOCATION	L0011770	VOLUME	653905.822	4183589.861	8.01

LOCATION	L0011771	VOLUME	653905.984	4183581.163	8.10
LOCATION	L0011772	VOLUME	653906.146	4183572.464	8.18
LOCATION	L0011773	VOLUME	653906.308	4183563.766	8.22
LOCATION	L0011774	VOLUME	653906.470	4183555.067	8.24
LOCATION	L0011775	VOLUME	653906.632	4183546.369	8.25
LOCATION	L0011776	VOLUME	653906.794	4183537.670	8.27
LOCATION	L0011777	VOLUME	653906.956	4183528.972	8.28
LOCATION	L0011778	VOLUME	653907.118	4183520.273	8.28
LOCATION	L0011779	VOLUME	653907.280	4183511.575	8.29
LOCATION	L0011780	VOLUME	653907.443	4183502.876	8.29
LOCATION	L0011781	VOLUME	653907.605	4183494.178	8.29
LOCATION	L0011782	VOLUME	653907.767	4183485.479	8.30
LOCATION	L0011783	VOLUME	653907.929	4183476.781	8.30
LOCATION	L0011784	VOLUME	653908.091	4183468.082	8.29
LOCATION	L0011785	VOLUME	653908.253	4183459.384	8.29
LOCATION	L0011786	VOLUME	653908.415	4183450.685	8.28
LOCATION	L0011787	VOLUME	653908.577	4183441.987	8.28
LOCATION	L0011788	VOLUME	653908.739	4183433.288	8.29
LOCATION	L0011789	VOLUME	653908.901	4183424.590	8.29
LOCATION	L0011790	VOLUME	653909.063	4183415.891	8.29
LOCATION	L0011791	VOLUME	653909.225	4183407.193	8.30
LOCATION	L0011792	VOLUME	653909.387	4183398.497	8.30
LOCATION	L0011793	VOLUME	653909.549	4183389.801	8.31
LOCATION	L0011794	VOLUME	653909.711	4183381.104	8.31
LOCATION	L0011795	VOLUME	653910.000	4183372.408	8.32
LOCATION	L0011796	VOLUME	653910.162	4183363.712	8.32
LOCATION	L0011797	VOLUME	653910.324	4183355.016	8.33
LOCATION	L0011798	VOLUME	653910.486	4183346.319	8.33
LOCATION	L0011799	VOLUME	653910.648	4183337.623	8.34
LOCATION	L0011800	VOLUME	653910.810	4183328.927	8.35
LOCATION	L0011801	VOLUME	653910.972	4183320.231	8.36
LOCATION	L0011802	VOLUME	653911.134	4183311.534	8.35
LOCATION	L0011803	VOLUME	653911.296	4183302.838	8.35
LOCATION	L0011804	VOLUME	653911.458	4183294.142	8.35
LOCATION	L0011805	VOLUME	653911.620	4183285.446	8.36
LOCATION	L0011806	VOLUME	653911.782	4183276.749	8.36
LOCATION	L0011807	VOLUME	653911.944	4183268.053	8.36
LOCATION	L0011808	VOLUME	653912.106	4183259.354	8.36
LOCATION	L0011809	VOLUME	653912.268	4183250.655	8.36
LOCATION	L0011810	VOLUME	653912.430	4183241.956	8.35
LOCATION	L0011811	VOLUME	653912.592	4183233.257	8.34
LOCATION	L0011812	VOLUME	653912.754	4183224.557	8.34
LOCATION	L0011813	VOLUME	653912.916	4183215.858	8.33
LOCATION	L0011814	VOLUME	653913.078	4183207.159	8.32
LOCATION	L0011815	VOLUME	653913.240	4183198.460	8.31
LOCATION	L0011816	VOLUME	653913.402	4183189.760	8.28
LOCATION	L0011817	VOLUME	653913.564	4183181.061	8.26
LOCATION	L0011818	VOLUME	653913.726	4183172.362	8.24
LOCATION	L0011819	VOLUME	653913.888	4183163.663	8.22
LOCATION	L0011820	VOLUME	653914.050	4183154.963	8.21

LOCATION	L0011821	VOLUME	653914.845	4183146.263	8.19
LOCATION	L0011822	VOLUME	653914.865	4183137.563	8.18
LOCATION	L0011823	VOLUME	653914.885	4183128.863	8.16
LOCATION	L0011824	VOLUME	653914.906	4183120.163	8.14
LOCATION	L0011825	VOLUME	653914.926	4183111.463	8.12
LOCATION	L0011826	VOLUME	653914.946	4183102.763	8.10
LOCATION	L0011827	VOLUME	653914.967	4183094.064	8.07
LOCATION	L0011828	VOLUME	653914.987	4183085.364	8.05
LOCATION	L0011829	VOLUME	653915.007	4183076.664	8.03
LOCATION	L0011830	VOLUME	653915.028	4183067.964	8.00
LOCATION	L0011831	VOLUME	653915.048	4183059.264	7.97
LOCATION	L0011832	VOLUME	653915.068	4183050.564	7.94
LOCATION	L0011833	VOLUME	653915.088	4183041.864	7.91
LOCATION	L0011834	VOLUME	653915.109	4183033.164	7.89
LOCATION	L0011835	VOLUME	653915.129	4183024.464	7.86
LOCATION	L0011836	VOLUME	653915.149	4183015.764	7.83
LOCATION	L0011837	VOLUME	653915.170	4183007.064	7.81
LOCATION	L0011838	VOLUME	653915.190	4182998.364	7.78
LOCATION	L0011839	VOLUME	653915.210	4182989.664	7.75
LOCATION	L0011840	VOLUME	653915.231	4182980.964	7.73
LOCATION	L0011841	VOLUME	653915.251	4182972.264	7.70
LOCATION	L0011842	VOLUME	653915.328	4182963.564	7.68
LOCATION	L0011843	VOLUME	653915.482	4182954.866	7.66
LOCATION	L0011844	VOLUME	653915.636	4182946.167	7.63
LOCATION	L0011845	VOLUME	653915.790	4182937.469	7.61
LOCATION	L0011846	VOLUME	653915.944	4182928.770	7.58
LOCATION	L0011847	VOLUME	653916.099	4182920.071	7.56
LOCATION	L0011848	VOLUME	653916.253	4182911.373	7.53
LOCATION	L0011849	VOLUME	653916.407	4182902.674	7.51
LOCATION	L0011850	VOLUME	653916.561	4182893.975	7.49
LOCATION	L0011851	VOLUME	653916.715	4182885.277	7.47
LOCATION	L0011852	VOLUME	653916.869	4182876.578	7.44
LOCATION	L0011853	VOLUME	653917.023	4182867.879	7.42
LOCATION	L0011854	VOLUME	653917.178	4182859.181	7.39
LOCATION	L0011855	VOLUME	653917.332	4182850.482	7.38
LOCATION	L0011856	VOLUME	653917.486	4182841.784	7.36
LOCATION	L0011857	VOLUME	653917.640	4182833.085	7.34
LOCATION	L0011858	VOLUME	653917.794	4182824.386	7.33
LOCATION	L0011859	VOLUME	653917.948	4182815.688	7.32
LOCATION	L0011860	VOLUME	653918.102	4182806.989	7.31
LOCATION	L0011861	VOLUME	653918.257	4182798.290	7.29
LOCATION	L0011862	VOLUME	653918.411	4182789.592	7.29
LOCATION	L0011863	VOLUME	653918.565	4182780.893	7.29
LOCATION	L0011864	VOLUME	653918.719	4182772.194	7.29
LOCATION	L0011865	VOLUME	653918.873	4182763.496	7.28

** End of LINE VOLUME Source ID = SLINE3

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Atherton Drive_Airport Way to Grocery Store Driveway

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** PREFIX
** Length of Side = 8.70
** Configuration = Adjacent
** Emission Rate = 0.0000524
** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 12
** 653916.917, 4182756.591, 7.28, 3.15, 4.05
** 653882.353, 4182756.789, 7.17, 3.15, 4.05
** 653846.557, 4182761.217, 7.04, 3.15, 4.05
** 653812.634, 4182769.034, 6.97, 3.15, 4.05
** 653789.143, 4182778.131, 6.94, 3.15, 4.05
** 653752.483, 4182796.166, 6.93, 3.15, 4.05
** 653699.099, 4182833.816, 6.93, 3.15, 4.05
** 653666.597, 4182868.140, 6.97, 3.15, 4.05
** 653646.257, 4182892.225, 6.98, 3.15, 4.05
** 653622.843, 4182921.801, 7.04, 3.15, 4.05
** 653569.237, 4182996.356, 7.34, 3.15, 4.05
** 653551.985, 4183015.457, 7.36, 3.15, 4.05

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LOCATION L0011866    VOLUME    653912.567 4182756.616 7.27
LOCATION L0011867    VOLUME    653903.867 4182756.666 7.24
LOCATION L0011868    VOLUME    653895.167 4182756.716 7.21
LOCATION L0011869    VOLUME    653886.467 4182756.765 7.17
LOCATION L0011870    VOLUME    653877.802 4182757.352 7.14
LOCATION L0011871    VOLUME    653869.168 4182758.420 7.11
LOCATION L0011872    VOLUME    653860.534 4182759.488 7.08
LOCATION L0011873    VOLUME    653851.900 4182760.556 7.05
LOCATION L0011874    VOLUME    653843.325 4182761.962 7.01
LOCATION L0011875    VOLUME    653834.847 4182763.915 6.96
LOCATION L0011876    VOLUME    653826.369 4182765.869 6.93
LOCATION L0011877    VOLUME    653817.892 4182767.823 6.92
LOCATION L0011878    VOLUME    653809.552 4182770.228 6.91
LOCATION L0011879    VOLUME    653801.439 4182773.369 6.91
LOCATION L0011880    VOLUME    653793.327 4182776.511 6.91
LOCATION L0011881    VOLUME    653785.362 4182779.991 6.91
LOCATION L0011882    VOLUME    653777.556 4182783.832 6.92
LOCATION L0011883    VOLUME    653769.749 4182787.672 6.92
LOCATION L0011884    VOLUME    653761.943 4182791.513 6.93
LOCATION L0011885    VOLUME    653754.136 4182795.353 6.93
LOCATION L0011886    VOLUME    653746.879 4182800.119 6.94
LOCATION L0011887    VOLUME    653739.769 4182805.133 6.95
LOCATION L0011888    VOLUME    653732.659 4182810.147 6.95
LOCATION L0011889    VOLUME    653725.550 4182815.161 6.95
LOCATION L0011890    VOLUME    653718.440 4182820.176 6.95
LOCATION L0011891    VOLUME    653711.330 4182825.190 6.95
LOCATION L0011892    VOLUME    653704.221 4182830.204 6.95
LOCATION L0011893    VOLUME    653697.426 4182835.583 6.94
LOCATION L0011894    VOLUME    653691.444 4182841.900 6.94
LOCATION L0011895    VOLUME    653685.463 4182848.217 6.94

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LOCATION	VOLUME	Source ID	Value 1	Value 2	Value 3
L0011896	653679.481	SLINE4	4182854.534	6.93	
L0011897	653673.499	SLINE4	4182860.851	6.93	
L0011898	653667.517	SLINE4	4182867.168	6.93	
L0011899	653661.847	SLINE4	4182873.765	6.94	
L0011900	653656.234	SLINE4	4182880.412	6.94	
L0011901	653650.620	SLINE4	4182887.058	6.95	
L0011902	653645.054	SLINE4	4182893.744	6.96	
L0011903	653639.654	SLINE4	4182900.565	6.98	
L0011904	653634.254	SLINE4	4182907.386	7.00	
L0011905	653628.854	SLINE4	4182914.208	7.02	
L0011906	653623.454	SLINE4	4182921.029	7.05	
L0011907	653618.339	SLINE4	4182928.065	7.08	
L0011908	653613.260	SLINE4	4182935.129	7.10	
L0011909	653608.181	SLINE4	4182942.192	7.14	
L0011910	653603.102	SLINE4	4182949.256	7.17	
L0011911	653598.023	SLINE4	4182956.320	7.20	
L0011912	653592.945	SLINE4	4182963.383	7.23	
L0011913	653587.866	SLINE4	4182970.447	7.26	
L0011914	653582.787	SLINE4	4182977.511	7.29	
L0011915	653577.708	SLINE4	4182984.574	7.31	
L0011916	653572.629	SLINE4	4182991.638	7.33	
L0011917	653567.300	SLINE4	4182998.500	7.34	
L0011918	653561.469	SLINE4	4183004.956	7.35	
L0011919	653555.637	SLINE4	4183011.413	7.36	

** End of LINE VOLUME Source ID = SLINE4

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC Airport Way_Fig Rd to Woodward Ave_55 mph

** PREFIX

** Length of Side = 8.70

** Configuration = Adjacent

** Emission Rate = 0.000059

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 6

** 653966.499, 4180633.055, 8.10, 3.15, 4.05

** 653964.759, 4180704.112, 7.99, 3.15, 4.05

** 653962.149, 4180819.252, 7.88, 3.15, 4.05

** 653959.138, 4180962.519, 7.96, 3.15, 4.05

** 653954.038, 4181192.008, 8.37, 3.15, 4.05

** 653927.444, 4182357.700, 7.65, 3.15, 4.05

** -----

LOCATION L0011920	VOLUME 653966.393	4180637.404	8.10
LOCATION L0011921	VOLUME 653966.180	4180646.102	8.09
LOCATION L0011922	VOLUME 653965.967	4180654.799	8.07
LOCATION L0011923	VOLUME 653965.754	4180663.496	8.06
LOCATION L0011924	VOLUME 653965.541	4180672.194	8.04
LOCATION L0011925	VOLUME 653965.328	4180680.891	8.03
LOCATION L0011926	VOLUME 653965.115	4180689.588	8.01

LOCATION	L0011927	VOLUME	653964.902	4180698.286	8.00
LOCATION	L0011928	VOLUME	653964.694	4180706.983	7.99
LOCATION	L0011929	VOLUME	653964.497	4180715.681	7.97
LOCATION	L0011930	VOLUME	653964.300	4180724.379	7.96
LOCATION	L0011931	VOLUME	653964.103	4180733.077	7.94
LOCATION	L0011932	VOLUME	653963.905	4180741.774	7.94
LOCATION	L0011933	VOLUME	653963.708	4180750.472	7.93
LOCATION	L0011934	VOLUME	653963.511	4180759.170	7.92
LOCATION	L0011935	VOLUME	653963.314	4180767.868	7.91
LOCATION	L0011936	VOLUME	653963.117	4180776.566	7.90
LOCATION	L0011937	VOLUME	653962.919	4180785.263	7.90
LOCATION	L0011938	VOLUME	653962.722	4180793.961	7.89
LOCATION	L0011939	VOLUME	653962.525	4180802.659	7.89
LOCATION	L0011940	VOLUME	653962.328	4180811.357	7.89
LOCATION	L0011941	VOLUME	653962.132	4180820.054	7.88
LOCATION	L0011942	VOLUME	653961.949	4180828.752	7.88
LOCATION	L0011943	VOLUME	653961.767	4180837.451	7.89
LOCATION	L0011944	VOLUME	653961.584	4180846.149	7.89
LOCATION	L0011945	VOLUME	653961.401	4180854.847	7.89
LOCATION	L0011946	VOLUME	653961.218	4180863.545	7.90
LOCATION	L0011947	VOLUME	653961.035	4180872.243	7.90
LOCATION	L0011948	VOLUME	653960.853	4180880.941	7.91
LOCATION	L0011949	VOLUME	653960.670	4180889.639	7.91
LOCATION	L0011950	VOLUME	653960.487	4180898.337	7.92
LOCATION	L0011951	VOLUME	653960.304	4180907.035	7.92
LOCATION	L0011952	VOLUME	653960.121	4180915.733	7.93
LOCATION	L0011953	VOLUME	653959.939	4180924.431	7.93
LOCATION	L0011954	VOLUME	653959.756	4180933.129	7.94
LOCATION	L0011955	VOLUME	653959.573	4180941.827	7.94
LOCATION	L0011956	VOLUME	653959.390	4180950.526	7.94
LOCATION	L0011957	VOLUME	653959.207	4180959.224	7.96
LOCATION	L0011958	VOLUME	653959.018	4180967.922	7.97
LOCATION	L0011959	VOLUME	653958.825	4180976.619	7.98
LOCATION	L0011960	VOLUME	653958.632	4180985.317	7.99
LOCATION	L0011961	VOLUME	653958.438	4180994.015	8.00
LOCATION	L0011962	VOLUME	653958.245	4181002.713	8.02
LOCATION	L0011963	VOLUME	653958.052	4181011.411	8.03
LOCATION	L0011964	VOLUME	653957.858	4181020.109	8.05
LOCATION	L0011965	VOLUME	653957.665	4181028.807	8.07
LOCATION	L0011966	VOLUME	653957.472	4181037.504	8.09
LOCATION	L0011967	VOLUME	653957.279	4181046.202	8.12
LOCATION	L0011968	VOLUME	653957.085	4181054.900	8.16
LOCATION	L0011969	VOLUME	653956.892	4181063.598	8.20
LOCATION	L0011970	VOLUME	653956.699	4181072.296	8.23
LOCATION	L0011971	VOLUME	653956.505	4181080.994	8.24
LOCATION	L0011972	VOLUME	653956.312	4181089.692	8.26
LOCATION	L0011973	VOLUME	653956.119	4181098.389	8.27
LOCATION	L0011974	VOLUME	653955.926	4181107.087	8.27
LOCATION	L0011975	VOLUME	653955.732	4181115.785	8.28
LOCATION	L0011976	VOLUME	653955.539	4181124.483	8.28

LOCATION	L0011977	VOLUME	653955.346	4181133.181	8.29
LOCATION	L0011978	VOLUME	653955.152	4181141.879	8.29
LOCATION	L0011979	VOLUME	653954.959	4181150.576	8.29
LOCATION	L0011980	VOLUME	653954.766	4181159.274	8.29
LOCATION	L0011981	VOLUME	653954.573	4181167.972	8.30
LOCATION	L0011982	VOLUME	653954.379	4181176.670	8.32
LOCATION	L0011983	VOLUME	653954.186	4181185.368	8.34
LOCATION	L0011984	VOLUME	653953.991	4181194.066	8.36
LOCATION	L0011985	VOLUME	653953.793	4181202.763	8.37
LOCATION	L0011986	VOLUME	653953.595	4181211.461	8.38
LOCATION	L0011987	VOLUME	653953.396	4181220.159	8.40
LOCATION	L0011988	VOLUME	653953.198	4181228.857	8.49
LOCATION	L0011989	VOLUME	653952.999	4181237.554	8.81
LOCATION	L0011990	VOLUME	653952.801	4181246.252	9.13
LOCATION	L0011991	VOLUME	653952.602	4181254.950	9.45
LOCATION	L0011992	VOLUME	653952.404	4181263.648	9.64
LOCATION	L0011993	VOLUME	653952.206	4181272.345	9.78
LOCATION	L0011994	VOLUME	653952.007	4181281.043	9.92
LOCATION	L0011995	VOLUME	653951.809	4181289.741	10.03
LOCATION	L0011996	VOLUME	653951.610	4181298.439	10.01
LOCATION	L0011997	VOLUME	653951.412	4181307.136	9.98
LOCATION	L0011998	VOLUME	653951.213	4181315.834	9.96
LOCATION	L0011999	VOLUME	653951.015	4181324.532	9.94
LOCATION	L0012000	VOLUME	653950.817	4181333.230	9.92
LOCATION	L0012001	VOLUME	653950.618	4181341.927	9.90
LOCATION	L0012002	VOLUME	653950.420	4181350.625	9.89
LOCATION	L0012003	VOLUME	653950.221	4181359.323	9.87
LOCATION	L0012004	VOLUME	653950.023	4181368.020	9.84
LOCATION	L0012005	VOLUME	653949.824	4181376.718	9.82
LOCATION	L0012006	VOLUME	653949.626	4181385.416	9.79
LOCATION	L0012007	VOLUME	653949.428	4181394.114	9.74
LOCATION	L0012008	VOLUME	653949.229	4181402.811	9.69
LOCATION	L0012009	VOLUME	653949.031	4181411.509	9.64
LOCATION	L0012010	VOLUME	653948.832	4181420.207	9.64
LOCATION	L0012011	VOLUME	653948.634	4181428.905	9.64
LOCATION	L0012012	VOLUME	653948.435	4181437.602	9.64
LOCATION	L0012013	VOLUME	653948.237	4181446.300	9.62
LOCATION	L0012014	VOLUME	653948.039	4181454.998	9.58
LOCATION	L0012015	VOLUME	653947.840	4181463.696	9.54
LOCATION	L0012016	VOLUME	653947.642	4181472.393	9.50
LOCATION	L0012017	VOLUME	653947.443	4181481.091	9.19
LOCATION	L0012018	VOLUME	653947.245	4181489.789	8.86
LOCATION	L0012019	VOLUME	653947.046	4181498.487	8.53
LOCATION	L0012020	VOLUME	653946.848	4181507.184	8.33
LOCATION	L0012021	VOLUME	653946.650	4181515.882	8.30
LOCATION	L0012022	VOLUME	653946.451	4181524.580	8.28
LOCATION	L0012023	VOLUME	653946.253	4181533.277	8.26
LOCATION	L0012024	VOLUME	653946.054	4181541.975	8.24
LOCATION	L0012025	VOLUME	653945.856	4181550.673	8.22
LOCATION	L0012026	VOLUME	653945.657	4181559.371	8.20

LOCATION	L0012027	VOLUME	653945.459	4181568.068	8.19
LOCATION	L0012028	VOLUME	653945.261	4181576.766	8.17
LOCATION	L0012029	VOLUME	653945.062	4181585.464	8.15
LOCATION	L0012030	VOLUME	653944.864	4181594.162	8.14
LOCATION	L0012031	VOLUME	653944.665	4181602.859	8.13
LOCATION	L0012032	VOLUME	653944.467	4181611.557	8.12
LOCATION	L0012033	VOLUME	653944.268	4181620.255	8.11
LOCATION	L0012034	VOLUME	653944.070	4181628.953	8.10
LOCATION	L0012035	VOLUME	653943.872	4181637.650	8.09
LOCATION	L0012036	VOLUME	653943.673	4181646.348	8.08
LOCATION	L0012037	VOLUME	653943.475	4181655.046	8.07
LOCATION	L0012038	VOLUME	653943.276	4181663.744	8.05
LOCATION	L0012039	VOLUME	653943.078	4181672.441	8.04
LOCATION	L0012040	VOLUME	653942.879	4181681.139	8.02
LOCATION	L0012041	VOLUME	653942.681	4181689.837	8.01
LOCATION	L0012042	VOLUME	653942.483	4181698.534	8.00
LOCATION	L0012043	VOLUME	653942.284	4181707.232	7.99
LOCATION	L0012044	VOLUME	653942.086	4181715.930	7.98
LOCATION	L0012045	VOLUME	653941.887	4181724.628	7.97
LOCATION	L0012046	VOLUME	653941.689	4181733.325	7.96
LOCATION	L0012047	VOLUME	653941.490	4181742.023	7.95
LOCATION	L0012048	VOLUME	653941.292	4181750.721	7.94
LOCATION	L0012049	VOLUME	653941.093	4181759.419	7.93
LOCATION	L0012050	VOLUME	653940.895	4181768.116	7.91
LOCATION	L0012051	VOLUME	653940.697	4181776.814	7.90
LOCATION	L0012052	VOLUME	653940.498	4181785.512	7.89
LOCATION	L0012053	VOLUME	653940.300	4181794.210	7.88
LOCATION	L0012054	VOLUME	653940.101	4181802.907	7.87
LOCATION	L0012055	VOLUME	653939.903	4181811.605	7.87
LOCATION	L0012056	VOLUME	653939.704	4181820.303	7.85
LOCATION	L0012057	VOLUME	653939.506	4181829.001	7.84
LOCATION	L0012058	VOLUME	653939.308	4181837.698	7.83
LOCATION	L0012059	VOLUME	653939.109	4181846.396	7.82
LOCATION	L0012060	VOLUME	653938.911	4181855.094	7.82
LOCATION	L0012061	VOLUME	653938.712	4181863.791	7.81
LOCATION	L0012062	VOLUME	653938.514	4181872.489	7.80
LOCATION	L0012063	VOLUME	653938.315	4181881.187	7.79
LOCATION	L0012064	VOLUME	653938.117	4181889.885	7.79
LOCATION	L0012065	VOLUME	653937.919	4181898.582	7.78
LOCATION	L0012066	VOLUME	653937.720	4181907.280	7.77
LOCATION	L0012067	VOLUME	653937.522	4181915.978	7.77
LOCATION	L0012068	VOLUME	653937.323	4181924.676	7.76
LOCATION	L0012069	VOLUME	653937.125	4181933.373	7.75
LOCATION	L0012070	VOLUME	653936.926	4181942.071	7.75
LOCATION	L0012071	VOLUME	653936.728	4181950.769	7.74
LOCATION	L0012072	VOLUME	653936.530	4181959.467	7.73
LOCATION	L0012073	VOLUME	653936.331	4181968.164	7.73
LOCATION	L0012074	VOLUME	653936.133	4181976.862	7.73
LOCATION	L0012075	VOLUME	653935.934	4181985.560	7.72
LOCATION	L0012076	VOLUME	653935.736	4181994.258	7.72

LOCATION	L0012077	VOLUME	653935.537	4182002.955	7.71
LOCATION	L0012078	VOLUME	653935.339	4182011.653	7.71
LOCATION	L0012079	VOLUME	653935.141	4182020.351	7.70
LOCATION	L0012080	VOLUME	653934.942	4182029.048	7.69
LOCATION	L0012081	VOLUME	653934.744	4182037.746	7.69
LOCATION	L0012082	VOLUME	653934.545	4182046.444	7.69
LOCATION	L0012083	VOLUME	653934.347	4182055.142	7.69
LOCATION	L0012084	VOLUME	653934.148	4182063.839	7.68
LOCATION	L0012085	VOLUME	653933.950	4182072.537	7.68
LOCATION	L0012086	VOLUME	653933.752	4182081.235	7.68
LOCATION	L0012087	VOLUME	653933.553	4182089.933	7.68
LOCATION	L0012088	VOLUME	653933.355	4182098.630	7.68
LOCATION	L0012089	VOLUME	653933.156	4182107.328	7.68
LOCATION	L0012090	VOLUME	653932.958	4182116.026	7.68
LOCATION	L0012091	VOLUME	653932.759	4182124.724	7.69
LOCATION	L0012092	VOLUME	653932.561	4182133.421	7.69
LOCATION	L0012093	VOLUME	653932.363	4182142.119	7.69
LOCATION	L0012094	VOLUME	653932.164	4182150.817	7.69
LOCATION	L0012095	VOLUME	653931.966	4182159.515	7.70
LOCATION	L0012096	VOLUME	653931.767	4182168.212	7.70
LOCATION	L0012097	VOLUME	653931.569	4182176.910	7.71
LOCATION	L0012098	VOLUME	653931.370	4182185.608	7.71
LOCATION	L0012099	VOLUME	653931.172	4182194.305	7.71
LOCATION	L0012100	VOLUME	653930.974	4182203.003	7.72
LOCATION	L0012101	VOLUME	653930.775	4182211.701	7.72
LOCATION	L0012102	VOLUME	653930.577	4182220.399	7.72
LOCATION	L0012103	VOLUME	653930.378	4182229.096	7.71
LOCATION	L0012104	VOLUME	653930.180	4182237.794	7.71
LOCATION	L0012105	VOLUME	653929.981	4182246.492	7.71
LOCATION	L0012106	VOLUME	653929.783	4182255.190	7.70
LOCATION	L0012107	VOLUME	653929.585	4182263.887	7.70
LOCATION	L0012108	VOLUME	653929.386	4182272.585	7.70
LOCATION	L0012109	VOLUME	653929.188	4182281.283	7.70
LOCATION	L0012110	VOLUME	653928.989	4182289.981	7.69
LOCATION	L0012111	VOLUME	653928.791	4182298.678	7.69
LOCATION	L0012112	VOLUME	653928.592	4182307.376	7.69
LOCATION	L0012113	VOLUME	653928.394	4182316.074	7.69
LOCATION	L0012114	VOLUME	653928.196	4182324.772	7.69
LOCATION	L0012115	VOLUME	653927.997	4182333.469	7.68
LOCATION	L0012116	VOLUME	653927.799	4182342.167	7.67
LOCATION	L0012117	VOLUME	653927.600	4182350.865	7.66

** End of LINE VOLUME Source ID = SLINE5

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC Airport Way_Woodward Ave to Atherton Dr

** PREFIX

** Length of Side = 8.70

** Configuration = Adjacent

** Emission Rate = 7.25E-06

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** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 8
** 653927.396, 4182356.369, 7.65, 3.15, 4.05
** 653925.855, 4182417.461, 7.56, 3.15, 4.05
** 653925.714, 4182484.679, 7.49, 3.15, 4.05
** 653924.647, 4182534.303, 7.38, 3.15, 4.05
** 653923.474, 4182628.600, 7.29, 3.15, 4.05
** 653922.407, 4182699.840, 7.31, 3.15, 4.05
** 653922.586, 4182735.918, 7.31, 3.15, 4.05
** 653919.467, 4182756.246, 7.28, 3.15, 4.05

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LOCATION L0012118      VOLUME  653927.287 4182360.718 7.65
LOCATION L0012119      VOLUME  653927.067 4182369.415 7.64
LOCATION L0012120      VOLUME  653926.848 4182378.113 7.63
LOCATION L0012121      VOLUME  653926.628 4182386.810 7.63
LOCATION L0012122      VOLUME  653926.409 4182395.507 7.62
LOCATION L0012123      VOLUME  653926.189 4182404.204 7.61
LOCATION L0012124      VOLUME  653925.970 4182412.901 7.59
LOCATION L0012125      VOLUME  653925.846 4182421.600 7.58
LOCATION L0012126      VOLUME  653925.828 4182430.300 7.57
LOCATION L0012127      VOLUME  653925.809 4182439.000 7.56
LOCATION L0012128      VOLUME  653925.791 4182447.700 7.55
LOCATION L0012129      VOLUME  653925.773 4182456.400 7.53
LOCATION L0012130      VOLUME  653925.755 4182465.100 7.52
LOCATION L0012131      VOLUME  653925.737 4182473.800 7.51
LOCATION L0012132      VOLUME  653925.718 4182482.500 7.50
LOCATION L0012133      VOLUME  653925.574 4182491.198 7.49
LOCATION L0012134      VOLUME  653925.386 4182499.896 7.48
LOCATION L0012135      VOLUME  653925.199 4182508.594 7.46
LOCATION L0012136      VOLUME  653925.012 4182517.292 7.45
LOCATION L0012137      VOLUME  653924.825 4182525.990 7.44
LOCATION L0012138      VOLUME  653924.642 4182534.688 7.42
LOCATION L0012139      VOLUME  653924.534 4182543.388 7.41
LOCATION L0012140      VOLUME  653924.425 4182552.087 7.40
LOCATION L0012141      VOLUME  653924.317 4182560.786 7.39
LOCATION L0012142      VOLUME  653924.209 4182569.486 7.38
LOCATION L0012143      VOLUME  653924.101 4182578.185 7.37
LOCATION L0012144      VOLUME  653923.993 4182586.884 7.36
LOCATION L0012145      VOLUME  653923.885 4182595.584 7.35
LOCATION L0012146      VOLUME  653923.776 4182604.283 7.34
LOCATION L0012147      VOLUME  653923.668 4182612.982 7.34
LOCATION L0012148      VOLUME  653923.560 4182621.682 7.33
LOCATION L0012149      VOLUME  653923.447 4182630.381 7.32
LOCATION L0012150      VOLUME  653923.317 4182639.080 7.32
LOCATION L0012151      VOLUME  653923.187 4182647.779 7.31
LOCATION L0012152      VOLUME  653923.056 4182656.478 7.31
LOCATION L0012153      VOLUME  653922.926 4182665.177 7.31
LOCATION L0012154      VOLUME  653922.796 4182673.876 7.30
LOCATION L0012155      VOLUME  653922.665 4182682.575 7.31

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LOCATION L0012156	VOLUME	653922.535	4182691.274	7.31
LOCATION L0012157	VOLUME	653922.407	4182699.973	7.31
LOCATION L0012158	VOLUME	653922.451	4182708.673	7.31
LOCATION L0012159	VOLUME	653922.494	4182717.373	7.30
LOCATION L0012160	VOLUME	653922.537	4182726.073	7.30
LOCATION L0012161	VOLUME	653922.581	4182734.773	7.30
LOCATION L0012162	VOLUME	653921.440	4182743.385	7.29
LOCATION L0012163	VOLUME	653920.121	4182751.985	7.29

** End of LINE VOLUME Source ID = SLINE6

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC On-Site Truck Circulation_Grocery Store

** PREFIX

** Length of Side = 8.71

** Configuration = Adjacent

** Emission Rate = 1.45E-07

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 14

** 653549.495, 4183017.514, 7.36, 3.15, 4.05
 ** 653564.389, 4183038.028, 7.43, 3.15, 4.05
 ** 653584.341, 4183069.783, 7.51, 3.15, 4.05
 ** 653595.301, 4183090.860, 7.60, 3.15, 4.05
 ** 653605.698, 4183099.571, 7.63, 3.15, 4.05
 ** 653620.873, 4183100.695, 7.67, 3.15, 4.05
 ** 653645.884, 4183092.546, 7.70, 3.15, 4.05
 ** 653682.136, 4183071.188, 7.66, 3.15, 4.05
 ** 653708.270, 4183056.013, 7.68, 3.15, 4.05
 ** 653706.584, 4183044.491, 7.61, 3.15, 4.05
 ** 653696.468, 4183027.349, 7.55, 3.15, 4.05
 ** 653659.373, 4182961.029, 7.27, 3.15, 4.05
 ** 653634.924, 4182943.324, 7.16, 3.15, 4.05
 ** 653618.625, 4182930.679, 7.07, 3.15, 4.05

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LOCATION L0012164	VOLUME	653552.053	4183021.038	7.38
LOCATION L0012165	VOLUME	653557.170	4183028.086	7.40
LOCATION L0012166	VOLUME	653562.288	4183035.134	7.42
LOCATION L0012167	VOLUME	653567.120	4183042.375	7.44
LOCATION L0012168	VOLUME	653571.754	4183049.750	7.46
LOCATION L0012169	VOLUME	653576.388	4183057.125	7.48
LOCATION L0012170	VOLUME	653581.022	4183064.500	7.50
LOCATION L0012171	VOLUME	653585.481	4183071.975	7.52
LOCATION L0012172	VOLUME	653589.499	4183079.703	7.55
LOCATION L0012173	VOLUME	653593.518	4183087.431	7.57
LOCATION L0012174	VOLUME	653599.015	4183093.971	7.60
LOCATION L0012175	VOLUME	653605.691	4183099.565	7.63
LOCATION L0012176	VOLUME	653614.375	4183100.214	7.65
LOCATION L0012177	VOLUME	653622.959	4183100.016	7.66
LOCATION L0012178	VOLUME	653631.241	4183097.317	7.67

LOCATION	VOLUME				
L0012179	653639.522	4183094.619	7.68		
L0012180	653647.623	4183091.521	7.68		
L0012181	653655.128	4183087.100	7.68		
L0012182	653662.632	4183082.679	7.68		
L0012183	653670.137	4183078.257	7.67		
L0012184	653677.641	4183073.836	7.67		
L0012185	653685.157	4183069.434	7.67		
L0012186	653692.689	4183065.060	7.67		
L0012187	653700.222	4183060.687	7.67		
L0012188	653707.754	4183056.313	7.67		
L0012189	653707.096	4183047.986	7.64		
L0012190	653703.953	4183040.032	7.62		
L0012191	653699.526	4183032.531	7.58		
L0012192	653695.153	4183024.999	7.55		
L0012193	653690.901	4183017.397	7.52		
L0012194	653686.649	4183009.795	7.49		
L0012195	653682.397	4183002.193	7.45		
L0012196	653678.146	4182994.592	7.42		
L0012197	653673.894	4182986.990	7.39		
L0012198	653669.642	4182979.388	7.35		
L0012199	653665.390	4182971.787	7.32		
L0012200	653661.138	4182964.185	7.28		
L0012201	653655.247	4182958.041	7.25		
L0012202	653648.193	4182952.933	7.22		
L0012203	653641.138	4182947.824	7.19		
L0012204	653634.104	4182942.688	7.15		
L0012205	653627.223	4182937.349	7.12		
L0012206	653620.341	4182932.010	7.10		

** End of LINE VOLUME Source ID = SLINE7

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC On-Site Truck Circulation_Gas Station

** PREFIX

** Length of Side = 8.71

** Configuration = Adjacent

** Emission Rate = 4.04E-06

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 18

** 653713.686, 4182824.816, 6.95, 3.15, 4.05

** 653720.591, 4182835.519, 6.97, 3.15, 4.05

** 653727.592, 4182847.579, 7.04, 3.15, 4.05

** 653734.984, 4182860.029, 7.05, 3.15, 4.05

** 653743.932, 4182870.533, 7.12, 3.15, 4.05

** 653751.324, 4182879.092, 7.16, 3.15, 4.05

** 653756.770, 4182883.372, 7.17, 3.15, 4.05

** 653761.828, 4182884.539, 7.18, 3.15, 4.05

** 653769.998, 4182882.204, 7.21, 3.15, 4.05

** 653775.445, 4182876.369, 7.20, 3.15, 4.05

** 653778.946, 4182867.810, 7.16, 3.15, 4.05
 ** 653778.946, 4182853.026, 7.14, 3.15, 4.05
 ** 653779.335, 4182836.297, 7.05, 3.15, 4.05
 ** 653781.280, 4182825.793, 7.06, 3.15, 4.05
 ** 653784.004, 4182815.289, 7.01, 3.15, 4.05
 ** 653783.615, 4182807.119, 6.98, 3.15, 4.05
 ** 653780.891, 4182797.004, 6.96, 3.15, 4.05
 ** 653777.036, 4182785.015, 6.94, 3.15, 4.05

LOCATION	VOLUME	Source ID	Volume	Source ID	Volume
L0012207	653716.047	4182828.476	6.97		
L0012208	653720.756	4182835.803	6.99		
L0012209	653725.129	4182843.336	7.01		
L0012210	653729.534	4182850.849	7.04		
L0012211	653733.980	4182858.339	7.06		
L0012212	653739.357	4182865.163	7.09		
L0012213	653745.014	4182871.786	7.12		
L0012214	653750.707	4182878.378	7.15		
L0012215	653757.589	4182883.560	7.17		
L0012216	653766.020	4182883.341	7.19		
L0012217	653773.118	4182878.862	7.20		
L0012218	653777.451	4182871.463	7.18		
L0012219	653778.946	4182863.047	7.16		
L0012220	653778.946	4182854.337	7.14		
L0012221	653779.118	4182845.629	7.11		
L0012222	653779.320	4182836.922	7.09		
L0012223	653780.807	4182828.347	7.07		
L0012224	653782.814	4182819.876	7.04		
L0012225	653783.815	4182811.322	7.02		
L0012226	653782.444	4182802.772	6.98		
L0012227	653780.054	4182794.399	6.95		
L0012228	653777.387	4182786.107	6.92		

** End of LINE VOLUME Source ID = SLINE8

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9

** DESCRSRC SR 120 WB_Mainline to Off-Ramp

** PREFIX

** Length of Side = 8.71

** Configuration = Adjacent

** Emission Rate = 0.000119

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 8

** 654301.898, 4183242.952, 8.36, 3.15, 4.05
 ** 654355.103, 4183237.302, 8.36, 3.15, 4.05
 ** 654474.225, 4183235.419, 8.39, 3.15, 4.05
 ** 654622.539, 4183235.890, 8.40, 3.15, 4.05
 ** 654951.065, 4183244.210, 8.51, 3.15, 4.05
 ** 655112.321, 4183246.251, 8.58, 3.15, 4.05
 ** 655450.583, 4183254.671, 8.84, 3.15, 4.05

** 656042.038, 4183270.999, 10.34, 3.15, 4.05

**

LOCATION	L0012229	VOLUME	654306.228	4183242.492	8.36
LOCATION	L0012230	VOLUME	654314.890	4183241.572	8.36
LOCATION	L0012231	VOLUME	654323.551	4183240.653	8.36
LOCATION	L0012232	VOLUME	654332.212	4183239.733	8.36
LOCATION	L0012233	VOLUME	654340.874	4183238.813	8.36
LOCATION	L0012234	VOLUME	654349.535	4183237.893	8.36
LOCATION	L0012235	VOLUME	654358.213	4183237.253	8.36
LOCATION	L0012236	VOLUME	654366.922	4183237.115	8.36
LOCATION	L0012237	VOLUME	654375.631	4183236.978	8.36
LOCATION	L0012238	VOLUME	654384.340	4183236.840	8.37
LOCATION	L0012239	VOLUME	654393.049	4183236.702	8.37
LOCATION	L0012240	VOLUME	654401.758	4183236.564	8.37
LOCATION	L0012241	VOLUME	654410.467	4183236.427	8.37
LOCATION	L0012242	VOLUME	654419.176	4183236.289	8.37
LOCATION	L0012243	VOLUME	654427.884	4183236.151	8.38
LOCATION	L0012244	VOLUME	654436.593	4183236.014	8.38
LOCATION	L0012245	VOLUME	654445.302	4183235.876	8.38
LOCATION	L0012246	VOLUME	654454.011	4183235.738	8.38
LOCATION	L0012247	VOLUME	654462.720	4183235.601	8.39
LOCATION	L0012248	VOLUME	654471.429	4183235.463	8.39
LOCATION	L0012249	VOLUME	654480.139	4183235.437	8.39
LOCATION	L0012250	VOLUME	654488.849	4183235.465	8.39
LOCATION	L0012251	VOLUME	654497.559	4183235.493	8.39
LOCATION	L0012252	VOLUME	654506.269	4183235.520	8.39
LOCATION	L0012253	VOLUME	654514.978	4183235.548	8.39
LOCATION	L0012254	VOLUME	654523.688	4183235.576	8.40
LOCATION	L0012255	VOLUME	654532.398	4183235.603	8.40
LOCATION	L0012256	VOLUME	654541.108	4183235.631	8.40
LOCATION	L0012257	VOLUME	654549.818	4183235.659	8.40
LOCATION	L0012258	VOLUME	654558.528	4183235.686	8.40
LOCATION	L0012259	VOLUME	654567.238	4183235.714	8.40
LOCATION	L0012260	VOLUME	654575.948	4183235.742	8.40
LOCATION	L0012261	VOLUME	654584.658	4183235.769	8.40
LOCATION	L0012262	VOLUME	654593.368	4183235.797	8.40
LOCATION	L0012263	VOLUME	654602.078	4183235.825	8.40
LOCATION	L0012264	VOLUME	654610.788	4183235.852	8.40
LOCATION	L0012265	VOLUME	654619.498	4183235.880	8.41
LOCATION	L0012266	VOLUME	654628.206	4183236.033	8.41
LOCATION	L0012267	VOLUME	654636.913	4183236.254	8.41
LOCATION	L0012268	VOLUME	654645.621	4183236.474	8.41
LOCATION	L0012269	VOLUME	654654.328	4183236.695	8.41
LOCATION	L0012270	VOLUME	654663.035	4183236.915	8.42
LOCATION	L0012271	VOLUME	654671.742	4183237.136	8.42
LOCATION	L0012272	VOLUME	654680.449	4183237.356	8.43
LOCATION	L0012273	VOLUME	654689.157	4183237.577	8.43
LOCATION	L0012274	VOLUME	654697.864	4183237.797	8.43
LOCATION	L0012275	VOLUME	654706.571	4183238.018	8.43
LOCATION	L0012276	VOLUME	654715.278	4183238.238	8.44

LOCATION	L0012277	VOLUME	654723.985	4183238.459	8.44
LOCATION	L0012278	VOLUME	654732.693	4183238.679	8.44
LOCATION	L0012279	VOLUME	654741.400	4183238.900	8.45
LOCATION	L0012280	VOLUME	654750.107	4183239.120	8.45
LOCATION	L0012281	VOLUME	654758.814	4183239.341	8.46
LOCATION	L0012282	VOLUME	654767.521	4183239.561	8.47
LOCATION	L0012283	VOLUME	654776.229	4183239.782	8.47
LOCATION	L0012284	VOLUME	654784.936	4183240.002	8.48
LOCATION	L0012285	VOLUME	654793.643	4183240.223	8.48
LOCATION	L0012286	VOLUME	654802.350	4183240.443	8.48
LOCATION	L0012287	VOLUME	654811.058	4183240.664	8.48
LOCATION	L0012288	VOLUME	654819.765	4183240.884	8.48
LOCATION	L0012289	VOLUME	654828.472	4183241.105	8.48
LOCATION	L0012290	VOLUME	654837.179	4183241.325	8.48
LOCATION	L0012291	VOLUME	654845.886	4183241.546	8.47
LOCATION	L0012292	VOLUME	654854.594	4183241.766	8.47
LOCATION	L0012293	VOLUME	654863.301	4183241.987	8.47
LOCATION	L0012294	VOLUME	654872.008	4183242.208	8.47
LOCATION	L0012295	VOLUME	654880.715	4183242.428	8.48
LOCATION	L0012296	VOLUME	654889.422	4183242.649	8.48
LOCATION	L0012297	VOLUME	654898.130	4183242.869	8.48
LOCATION	L0012298	VOLUME	654906.837	4183243.090	8.49
LOCATION	L0012299	VOLUME	654915.544	4183243.310	8.49
LOCATION	L0012300	VOLUME	654924.251	4183243.531	8.50
LOCATION	L0012301	VOLUME	654932.958	4183243.751	8.50
LOCATION	L0012302	VOLUME	654941.666	4183243.972	8.51
LOCATION	L0012303	VOLUME	654950.373	4183244.192	8.52
LOCATION	L0012304	VOLUME	654959.082	4183244.311	8.53
LOCATION	L0012305	VOLUME	654967.791	4183244.421	8.53
LOCATION	L0012306	VOLUME	654976.501	4183244.532	8.54
LOCATION	L0012307	VOLUME	654985.210	4183244.642	8.55
LOCATION	L0012308	VOLUME	654993.919	4183244.752	8.56
LOCATION	L0012309	VOLUME	655002.628	4183244.862	8.57
LOCATION	L0012310	VOLUME	655011.338	4183244.973	8.57
LOCATION	L0012311	VOLUME	655020.047	4183245.083	8.58
LOCATION	L0012312	VOLUME	655028.756	4183245.193	8.58
LOCATION	L0012313	VOLUME	655037.466	4183245.303	8.58
LOCATION	L0012314	VOLUME	655046.175	4183245.414	8.58
LOCATION	L0012315	VOLUME	655054.884	4183245.524	8.58
LOCATION	L0012316	VOLUME	655063.594	4183245.634	8.58
LOCATION	L0012317	VOLUME	655072.303	4183245.744	8.58
LOCATION	L0012318	VOLUME	655081.012	4183245.855	8.59
LOCATION	L0012319	VOLUME	655089.722	4183245.965	8.59
LOCATION	L0012320	VOLUME	655098.431	4183246.075	8.59
LOCATION	L0012321	VOLUME	655107.140	4183246.185	8.59
LOCATION	L0012322	VOLUME	655115.849	4183246.339	8.58
LOCATION	L0012323	VOLUME	655124.556	4183246.555	8.59
LOCATION	L0012324	VOLUME	655133.263	4183246.772	8.59
LOCATION	L0012325	VOLUME	655141.971	4183246.989	8.60
LOCATION	L0012326	VOLUME	655150.678	4183247.206	8.61

LOCATION	L0012327	VOLUME	655159.385	4183247.422	8.62
LOCATION	L0012328	VOLUME	655168.092	4183247.639	8.62
LOCATION	L0012329	VOLUME	655176.800	4183247.856	8.64
LOCATION	L0012330	VOLUME	655185.507	4183248.073	8.65
LOCATION	L0012331	VOLUME	655194.214	4183248.289	8.66
LOCATION	L0012332	VOLUME	655202.922	4183248.506	8.66
LOCATION	L0012333	VOLUME	655211.629	4183248.723	8.67
LOCATION	L0012334	VOLUME	655220.336	4183248.940	8.67
LOCATION	L0012335	VOLUME	655229.044	4183249.156	8.67
LOCATION	L0012336	VOLUME	655237.751	4183249.373	8.68
LOCATION	L0012337	VOLUME	655246.458	4183249.590	8.69
LOCATION	L0012338	VOLUME	655255.165	4183249.807	8.70
LOCATION	L0012339	VOLUME	655263.873	4183250.023	8.72
LOCATION	L0012340	VOLUME	655272.580	4183250.240	8.73
LOCATION	L0012341	VOLUME	655281.287	4183250.457	8.74
LOCATION	L0012342	VOLUME	655289.995	4183250.674	8.75
LOCATION	L0012343	VOLUME	655298.702	4183250.890	8.76
LOCATION	L0012344	VOLUME	655307.409	4183251.107	8.77
LOCATION	L0012345	VOLUME	655316.117	4183251.324	8.77
LOCATION	L0012346	VOLUME	655324.824	4183251.541	8.78
LOCATION	L0012347	VOLUME	655333.531	4183251.757	8.79
LOCATION	L0012348	VOLUME	655342.238	4183251.974	8.79
LOCATION	L0012349	VOLUME	655350.946	4183252.191	8.79
LOCATION	L0012350	VOLUME	655359.653	4183252.408	8.79
LOCATION	L0012351	VOLUME	655368.360	4183252.624	8.80
LOCATION	L0012352	VOLUME	655377.068	4183252.841	8.81
LOCATION	L0012353	VOLUME	655385.775	4183253.058	8.82
LOCATION	L0012354	VOLUME	655394.482	4183253.274	8.83
LOCATION	L0012355	VOLUME	655403.190	4183253.491	8.84
LOCATION	L0012356	VOLUME	655411.897	4183253.708	8.84
LOCATION	L0012357	VOLUME	655420.604	4183253.925	8.84
LOCATION	L0012358	VOLUME	655429.312	4183254.141	8.84
LOCATION	L0012359	VOLUME	655438.019	4183254.358	8.84
LOCATION	L0012360	VOLUME	655446.726	4183254.575	8.84
LOCATION	L0012361	VOLUME	655455.433	4183254.805	8.84
LOCATION	L0012362	VOLUME	655464.140	4183255.045	8.84
LOCATION	L0012363	VOLUME	655472.846	4183255.286	8.84
LOCATION	L0012364	VOLUME	655481.553	4183255.526	8.84
LOCATION	L0012365	VOLUME	655490.260	4183255.766	8.83
LOCATION	L0012366	VOLUME	655498.966	4183256.007	8.83
LOCATION	L0012367	VOLUME	655507.673	4183256.247	8.83
LOCATION	L0012368	VOLUME	655516.380	4183256.487	8.86
LOCATION	L0012369	VOLUME	655525.087	4183256.728	8.90
LOCATION	L0012370	VOLUME	655533.793	4183256.968	8.93
LOCATION	L0012371	VOLUME	655542.500	4183257.208	9.00
LOCATION	L0012372	VOLUME	655551.207	4183257.449	9.07
LOCATION	L0012373	VOLUME	655559.913	4183257.689	9.13
LOCATION	L0012374	VOLUME	655568.620	4183257.929	9.16
LOCATION	L0012375	VOLUME	655577.327	4183258.170	9.20
LOCATION	L0012376	VOLUME	655586.033	4183258.410	9.23

LOCATION	L0012377	VOLUME	655594.740	4183258.651	9.26
LOCATION	L0012378	VOLUME	655603.447	4183258.891	9.29
LOCATION	L0012379	VOLUME	655612.153	4183259.131	9.31
LOCATION	L0012380	VOLUME	655620.860	4183259.372	9.33
LOCATION	L0012381	VOLUME	655629.567	4183259.612	9.35
LOCATION	L0012382	VOLUME	655638.273	4183259.852	9.37
LOCATION	L0012383	VOLUME	655646.980	4183260.093	9.39
LOCATION	L0012384	VOLUME	655655.687	4183260.333	9.41
LOCATION	L0012385	VOLUME	655664.393	4183260.573	9.44
LOCATION	L0012386	VOLUME	655673.100	4183260.814	9.46
LOCATION	L0012387	VOLUME	655681.807	4183261.054	9.48
LOCATION	L0012388	VOLUME	655690.514	4183261.294	9.51
LOCATION	L0012389	VOLUME	655699.220	4183261.535	9.54
LOCATION	L0012390	VOLUME	655707.927	4183261.775	9.56
LOCATION	L0012391	VOLUME	655716.634	4183262.016	9.59
LOCATION	L0012392	VOLUME	655725.340	4183262.256	9.61
LOCATION	L0012393	VOLUME	655734.047	4183262.496	9.63
LOCATION	L0012394	VOLUME	655742.754	4183262.737	9.66
LOCATION	L0012395	VOLUME	655751.460	4183262.977	9.68
LOCATION	L0012396	VOLUME	655760.167	4183263.217	9.71
LOCATION	L0012397	VOLUME	655768.874	4183263.458	9.73
LOCATION	L0012398	VOLUME	655777.580	4183263.698	9.76
LOCATION	L0012399	VOLUME	655786.287	4183263.938	9.78
LOCATION	L0012400	VOLUME	655794.994	4183264.179	9.81
LOCATION	L0012401	VOLUME	655803.700	4183264.419	9.83
LOCATION	L0012402	VOLUME	655812.407	4183264.659	9.85
LOCATION	L0012403	VOLUME	655821.114	4183264.900	9.88
LOCATION	L0012404	VOLUME	655829.820	4183265.140	9.90
LOCATION	L0012405	VOLUME	655838.527	4183265.381	9.92
LOCATION	L0012406	VOLUME	655847.234	4183265.621	9.95
LOCATION	L0012407	VOLUME	655855.940	4183265.861	9.97
LOCATION	L0012408	VOLUME	655864.647	4183266.102	9.99
LOCATION	L0012409	VOLUME	655873.354	4183266.342	10.01
LOCATION	L0012410	VOLUME	655882.061	4183266.582	10.03
LOCATION	L0012411	VOLUME	655890.767	4183266.823	10.05
LOCATION	L0012412	VOLUME	655899.474	4183267.063	10.07
LOCATION	L0012413	VOLUME	655908.181	4183267.303	10.08
LOCATION	L0012414	VOLUME	655916.887	4183267.544	10.10
LOCATION	L0012415	VOLUME	655925.594	4183267.784	10.12
LOCATION	L0012416	VOLUME	655934.301	4183268.024	10.14
LOCATION	L0012417	VOLUME	655943.007	4183268.265	10.16
LOCATION	L0012418	VOLUME	655951.714	4183268.505	10.17
LOCATION	L0012419	VOLUME	655960.421	4183268.746	10.19
LOCATION	L0012420	VOLUME	655969.127	4183268.986	10.21
LOCATION	L0012421	VOLUME	655977.834	4183269.226	10.23
LOCATION	L0012422	VOLUME	655986.541	4183269.467	10.24
LOCATION	L0012423	VOLUME	655995.247	4183269.707	10.26
LOCATION	L0012424	VOLUME	656003.954	4183269.947	10.28
LOCATION	L0012425	VOLUME	656012.661	4183270.188	10.29
LOCATION	L0012426	VOLUME	656021.367	4183270.428	10.30

LOCATION L0012427 VOLUME 656030.074 4183270.668 10.32
LOCATION L0012428 VOLUME 656038.781 4183270.909 10.34

** End of LINE VOLUME Source ID = SLINE9

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC I-10 WB_Off-Ramp

** PREFIX

** Length of Side = 8.71

** Configuration = Adjacent

** Emission Rate = 0.0000138

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 11

** 654301.760, 4183242.835, 8.36, 3.15, 4.05

** 654285.076, 4183244.437, 8.36, 3.15, 4.05

** 654252.243, 4183250.576, 8.37, 3.15, 4.05

** 654215.005, 4183262.856, 8.37, 3.15, 4.05

** 654194.183, 4183272.065, 8.37, 3.15, 4.05

** 654125.640, 4183308.934, 8.39, 3.15, 4.05

** 654096.675, 4183326.654, 8.40, 3.15, 4.05

** 653952.343, 4183408.340, 8.34, 3.15, 4.05

** 653924.388, 4183423.259, 8.30, 3.15, 4.05

** 653918.577, 4183424.673, 8.30, 3.15, 4.05

** 653911.038, 4183424.987, 8.30, 3.15, 4.05

** -----

LOCATION L0012429 VOLUME 654297.425 4183243.251 8.36

LOCATION L0012430 VOLUME 654288.755 4183244.084 8.36

LOCATION L0012431 VOLUME 654280.147 4183245.358 8.36

LOCATION L0012432 VOLUME 654271.585 4183246.959 8.36

LOCATION L0012433 VOLUME 654263.024 4183248.560 8.36

LOCATION L0012434 VOLUME 654254.462 4183250.161 8.37

LOCATION L0012435 VOLUME 654246.115 4183252.597 8.37

LOCATION L0012436 VOLUME 654237.843 4183255.325 8.37

LOCATION L0012437 VOLUME 654229.571 4183258.052 8.37

LOCATION L0012438 VOLUME 654221.299 4183260.780 8.37

LOCATION L0012439 VOLUME 654213.101 4183263.698 8.37

LOCATION L0012440 VOLUME 654205.135 4183267.221 8.37

LOCATION L0012441 VOLUME 654197.170 4183270.744 8.37

LOCATION L0012442 VOLUME 654189.388 4183274.644 8.37

LOCATION L0012443 VOLUME 654181.718 4183278.770 8.37

LOCATION L0012444 VOLUME 654174.047 4183282.896 8.37

LOCATION L0012445 VOLUME 654166.376 4183287.022 8.38

LOCATION L0012446 VOLUME 654158.705 4183291.148 8.38

LOCATION L0012447 VOLUME 654151.035 4183295.274 8.39

LOCATION L0012448 VOLUME 654143.364 4183299.400 8.39

LOCATION L0012449 VOLUME 654135.693 4183303.526 8.39

LOCATION L0012450 VOLUME 654128.022 4183307.652 8.40

LOCATION L0012451 VOLUME 654120.518 4183312.067 8.40

LOCATION L0012452 VOLUME 654113.088 4183316.613 8.40

LOCATION	L0012453	VOLUME	654105.658	4183321.158	8.40
LOCATION	L0012454	VOLUME	654098.228	4183325.704	8.40
LOCATION	L0012455	VOLUME	654090.679	4183330.047	8.40
LOCATION	L0012456	VOLUME	654083.099	4183334.337	8.40
LOCATION	L0012457	VOLUME	654075.519	4183338.627	8.41
LOCATION	L0012458	VOLUME	654067.939	4183342.918	8.41
LOCATION	L0012459	VOLUME	654060.359	4183347.208	8.41
LOCATION	L0012460	VOLUME	654052.778	4183351.498	8.41
LOCATION	L0012461	VOLUME	654045.198	4183355.788	8.40
LOCATION	L0012462	VOLUME	654037.618	4183360.078	8.39
LOCATION	L0012463	VOLUME	654030.038	4183364.368	8.40
LOCATION	L0012464	VOLUME	654022.458	4183368.658	8.40
LOCATION	L0012465	VOLUME	654014.877	4183372.948	8.39
LOCATION	L0012466	VOLUME	654007.297	4183377.238	8.39
LOCATION	L0012467	VOLUME	653999.717	4183381.528	8.38
LOCATION	L0012468	VOLUME	653992.137	4183385.818	8.37
LOCATION	L0012469	VOLUME	653984.556	4183390.108	8.37
LOCATION	L0012470	VOLUME	653976.976	4183394.398	8.36
LOCATION	L0012471	VOLUME	653969.396	4183398.688	8.36
LOCATION	L0012472	VOLUME	653961.816	4183402.978	8.35
LOCATION	L0012473	VOLUME	653954.236	4183407.268	8.34
LOCATION	L0012474	VOLUME	653946.577	4183411.417	8.33
LOCATION	L0012475	VOLUME	653938.893	4183415.518	8.32
LOCATION	L0012476	VOLUME	653931.209	4183419.619	8.32
LOCATION	L0012477	VOLUME	653923.438	4183423.490	8.31
LOCATION	L0012478	VOLUME	653914.873	4183424.827	8.30
**	End of LINE VOLUME Source ID = SLINE10				
LOCATION	STCK1	POINT	653597.000	4183060.590	7.510
**	DESCRSRC Grocery Store Truck Idling - 1				
LOCATION	STCK2	POINT	653603.170	4183057.740	7.510
**	DESCRSRC Grocery Store Truck Idling - 2				
LOCATION	STCK3	POINT	653785.420	4182840.770	7.110
**	DESCRSRC Gas Station Truck Idling - 1				
LOCATION	STCK4	POINT	653791.720	4182841.400	7.120
**	DESCRSRC Gas Station Truck Idling - 2				
LOCATION	STCK5	POINT	653798.010	4182842.030	7.130
**	DESCRSRC Gas Station Truck Idling - 3				
LOCATION	STCK6	POINT	653803.460	4182841.610	7.140
**	DESCRSRC Gas Station Truck Idling - 4				
**	Source Parameters **				
**	LINE VOLUME Source ID = SLINE1				
SRCPARAM	L0011332	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011333	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011334	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011335	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011336	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011337	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011338	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011339	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011340	0.0000002979	3.15	4.05	2.93

SRCPARAM	L0011541	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011542	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011543	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011544	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011545	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011546	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011547	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011548	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011549	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011550	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011551	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011552	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011553	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011554	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011555	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011556	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011557	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011558	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011559	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011560	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011561	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011562	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011563	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011564	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011565	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011566	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011567	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011568	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011569	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011570	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011571	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011572	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011573	0.0000002979	3.15	4.05	2.93

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 ** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0011574	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011575	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011576	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011577	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011578	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011579	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011580	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011581	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011582	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011583	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011584	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011585	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011586	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011587	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011588	0.0000001378	3.15	4.05	2.93

SRCPARAM L0011589	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011590	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011591	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011592	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011593	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011594	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011595	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011596	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011597	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011598	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011599	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011600	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011601	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011602	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011603	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011604	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011605	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011606	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011607	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011608	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011609	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011610	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011611	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011612	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011613	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011614	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011615	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011616	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011617	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011618	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011619	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011620	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011621	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011622	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011623	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011624	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011625	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011626	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011627	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011628	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011629	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011630	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011631	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011632	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011633	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011634	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011635	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011636	0.0000001378	3.15	4.05	2.93

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** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0011837	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011838	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011839	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011840	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011841	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011842	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011843	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011844	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011845	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011846	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011847	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011848	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011849	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011850	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011851	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011852	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011853	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011854	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011855	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011856	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011857	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011858	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011859	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011860	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011861	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011862	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011863	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011864	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011865	0.0000001576	3.15	4.05	2.93

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** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0011866	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011867	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011868	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011869	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011870	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011871	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011872	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011873	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011874	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011875	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011876	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011877	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011878	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011879	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011880	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011881	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011882	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011883	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011884	0.0000009704	3.15	4.05	2.93

SRCPARAM	L0011885	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011886	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011887	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011888	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011889	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011890	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011891	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011892	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011893	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011894	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011895	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011896	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011897	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011898	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011899	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011900	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011901	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011902	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011903	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011904	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011905	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011906	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011907	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011908	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011909	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011910	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011911	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011912	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011913	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011914	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011915	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011916	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011917	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011918	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011919	0.0000009704	3.15	4.05	2.93

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** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0011920	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011921	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011922	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011923	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011924	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011925	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011926	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011927	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011928	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011929	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011930	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011931	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011932	0.000000298	3.15	4.05	2.93

SRCPARAM	L0012083	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012084	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012085	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012086	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012087	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012088	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012089	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012090	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012091	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012092	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012093	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012094	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012095	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012096	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012097	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012098	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012099	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012100	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012101	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012102	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012103	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012104	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012105	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012106	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012107	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012108	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012109	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012110	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012111	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012112	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012113	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012114	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012115	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012116	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012117	0.000000298	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE6

SRCPARAM	L0012118	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012119	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012120	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012121	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012122	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012123	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012124	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012125	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012126	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012127	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012128	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012129	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012130	0.0000001576	3.15	4.05	2.93

SRCPARAM	L0012131	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012132	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012133	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012134	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012135	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012136	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012137	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012138	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012139	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012140	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012141	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012142	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012143	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012144	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012145	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012146	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012147	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012148	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012149	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012150	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012151	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012152	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012153	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012154	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012155	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012156	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012157	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012158	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012159	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012160	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012161	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012162	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012163	0.0000001576	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0012164	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012165	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012166	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012167	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012168	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012169	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012170	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012171	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012172	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012173	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012174	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012175	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012176	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012177	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012178	0.000000003372	3.15	4.05	2.93

SRCPARAM	L0012179	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012180	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012181	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012182	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012183	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012184	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012185	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012186	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012187	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012188	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012189	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012190	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012191	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012192	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012193	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012194	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012195	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012196	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012197	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012198	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012199	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012200	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012201	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012202	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012203	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012204	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012205	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012206	0.000000003372	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0012207	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012208	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012209	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012210	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012211	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012212	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012213	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012214	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012215	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012216	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012217	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012218	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012219	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012220	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012221	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012222	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012223	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012224	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012225	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012226	0.0000001836	3.15	4.05	2.93

SRCPARAM	L0012227	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012228	0.0000001836	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE9

SRCPARAM	L0012229	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012230	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012231	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012232	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012233	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012234	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012235	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012236	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012237	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012238	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012239	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012240	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012241	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012242	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012243	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012244	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012245	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012246	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012247	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012248	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012249	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012250	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012251	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012252	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012253	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012254	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012255	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012256	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012257	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012258	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012259	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012260	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012261	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012262	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012263	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012264	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012265	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012266	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012267	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012268	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012269	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012270	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012271	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012272	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012273	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012274	0.000000595	3.15	4.05	2.93

SRCPARAM	L0012425	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012426	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012427	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012428	0.000000595	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE10

SRCPARAM	L0012429	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012430	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012431	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012432	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012433	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012434	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012435	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012436	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012437	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012438	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012439	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012440	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012441	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012442	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012443	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012444	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012445	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012446	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012447	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012448	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012449	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012450	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012451	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012452	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012453	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012454	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012455	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012456	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012457	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012458	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012459	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012460	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012461	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012462	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012463	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012464	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012465	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012466	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012467	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012468	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012469	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012470	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012471	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012472	0.000000276	3.15	4.05	2.93

SRCPARAM L0012473	0.000000276	3.15	4.05	2.93
SRCPARAM L0012474	0.000000276	3.15	4.05	2.93
SRCPARAM L0012475	0.000000276	3.15	4.05	2.93
SRCPARAM L0012476	0.000000276	3.15	4.05	2.93
SRCPARAM L0012477	0.000000276	3.15	4.05	2.93
SRCPARAM L0012478	0.000000276	3.15	4.05	2.93

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SRCPARAM STCK1      1.73E-07      0.000  366.000  49.99000  0.100
SRCPARAM STCK2      2.69E-09      3.840  366.000  49.99000  0.100
SRCPARAM STCK3      0.000108      0.000  366.000  49.99000  0.100
SRCPARAM STCK4      0.000108      0.000  366.000  49.99000  0.100
SRCPARAM STCK5      0.000108      0.000  366.000  49.99000  0.100
SRCPARAM STCK6      0.000108      0.000  366.000  49.99000  0.100
URBANSRC ALL
SRCGROUP ALL

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SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Maverik Manteca_operations.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE AERMET\2017_Stockton.SFC

PROFFILE AERMET\2017_Stockton.PFL

SURFDATA 23237 2017

UAIRDATA 23230 2017 OAKLAND/WSO_AP

PROFBASE 7.9 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "Maverik Manteca_operations.AD\01H1GALL.PLT" 31

PLOTFILE 24 ALL 1ST "Maverik Manteca_operations.AD\24H1GALL.PLT" 32
PLOTFILE PERIOD ALL "Maverik Manteca_operations.AD\PE00GALL.PLT" 33
SUMMFILE "Maverik Manteca_operations.sum"

OU FINISHED

**

** Project Parameters

** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM World Geodetic System 1984
** DTMRGN Global Definition
** UNITS m
** ZONE 10
** ZONEINX 0
**

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**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 3/4/2022
** File: C:\Lakes\AERMOD View\Maverik Manteca\Maverik Manteca_operations\Maverik
Manteca_operations.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Maverik Manteca\Maverik Manteca_operations\Mave
  MODELOPT DFAULT CONC
  AVERTIME 1 24 PERIOD
  URBANOPT 762148
  POLLUTID PM_10
  RUNORNOT RUN
  ERRORFIL "Maverik Manteca_operations.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC SR-120 EB_Mainline to Off-Ramp
** PREFIX
** Length of Side = 8.71
** Configuration = Adjacent
** Emission Rate = 0.0000721
** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 14
** 651373.973, 4183627.372, 13.52, 3.15, 4.05
** 651490.563, 4183590.497, 14.86, 3.15, 4.05
** 652159.058, 4183381.290, 8.32, 3.15, 4.05

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** 652410.750, 4183303.847, 6.72, 3.15, 4.05
 ** 652591.979, 4183242.506, 7.32, 3.15, 4.05
 ** 652719.548, 4183208.198, 7.06, 3.15, 4.05
 ** 652804.483, 4183189.213, 6.92, 3.15, 4.05
 ** 652869.767, 4183178.554, 6.86, 3.15, 4.05
 ** 652970.024, 4183167.230, 6.83, 3.15, 4.05
 ** 653012.192, 4183164.258, 6.83, 3.15, 4.05
 ** 653070.277, 4183162.632, 6.84, 3.15, 4.05
 ** 653167.675, 4183163.371, 6.81, 3.15, 4.05
 ** 653328.735, 4183166.583, 6.92, 3.15, 4.05
 ** 653412.443, 4183165.244, 7.09, 3.15, 4.05

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LOCATION L0011332	VOLUME	651378.125	4183626.059	14.34
LOCATION L0011333	VOLUME	651386.430	4183623.432	14.58
LOCATION L0011334	VOLUME	651394.734	4183620.806	14.85
LOCATION L0011335	VOLUME	651403.039	4183618.179	15.09
LOCATION L0011336	VOLUME	651411.343	4183615.552	15.43
LOCATION L0011337	VOLUME	651419.648	4183612.926	15.19
LOCATION L0011338	VOLUME	651427.952	4183610.299	14.83
LOCATION L0011339	VOLUME	651436.257	4183607.673	14.59
LOCATION L0011340	VOLUME	651444.561	4183605.046	14.40
LOCATION L0011341	VOLUME	651452.866	4183602.420	14.30
LOCATION L0011342	VOLUME	651461.171	4183599.793	14.34
LOCATION L0011343	VOLUME	651469.475	4183597.167	14.44
LOCATION L0011344	VOLUME	651477.780	4183594.540	14.61
LOCATION L0011345	VOLUME	651486.084	4183591.913	14.91
LOCATION L0011346	VOLUME	651494.392	4183589.299	15.01
LOCATION L0011347	VOLUME	651502.705	4183586.697	14.97
LOCATION L0011348	VOLUME	651511.017	4183584.096	14.57
LOCATION L0011349	VOLUME	651519.330	4183581.494	13.61
LOCATION L0011350	VOLUME	651527.642	4183578.893	12.48
LOCATION L0011351	VOLUME	651535.955	4183576.292	11.41
LOCATION L0011352	VOLUME	651544.267	4183573.690	10.63
LOCATION L0011353	VOLUME	651552.579	4183571.089	10.19
LOCATION L0011354	VOLUME	651560.892	4183568.487	10.02
LOCATION L0011355	VOLUME	651569.204	4183565.886	10.39
LOCATION L0011356	VOLUME	651577.517	4183563.285	11.13
LOCATION L0011357	VOLUME	651585.829	4183560.683	12.16
LOCATION L0011358	VOLUME	651594.142	4183558.082	13.13
LOCATION L0011359	VOLUME	651602.454	4183555.480	13.65
LOCATION L0011360	VOLUME	651610.767	4183552.879	13.78
LOCATION L0011361	VOLUME	651619.079	4183550.278	13.68
LOCATION L0011362	VOLUME	651627.392	4183547.676	13.61
LOCATION L0011363	VOLUME	651635.704	4183545.075	13.62
LOCATION L0011364	VOLUME	651644.016	4183542.473	13.61
LOCATION L0011365	VOLUME	651652.329	4183539.872	13.69
LOCATION L0011366	VOLUME	651660.641	4183537.271	13.89
LOCATION L0011367	VOLUME	651668.954	4183534.669	14.07
LOCATION L0011368	VOLUME	651677.266	4183532.068	14.32
LOCATION L0011369	VOLUME	651685.579	4183529.467	14.67

LOCATION	L0011370	VOLUME	651693.891	4183526.865	14.70
LOCATION	L0011371	VOLUME	651702.204	4183524.264	14.39
LOCATION	L0011372	VOLUME	651710.516	4183521.662	14.17
LOCATION	L0011373	VOLUME	651718.829	4183519.061	13.92
LOCATION	L0011374	VOLUME	651727.141	4183516.460	13.78
LOCATION	L0011375	VOLUME	651735.453	4183513.858	13.76
LOCATION	L0011376	VOLUME	651743.766	4183511.257	13.78
LOCATION	L0011377	VOLUME	651752.078	4183508.655	13.92
LOCATION	L0011378	VOLUME	651760.391	4183506.054	14.17
LOCATION	L0011379	VOLUME	651768.703	4183503.453	14.35
LOCATION	L0011380	VOLUME	651777.016	4183500.851	14.62
LOCATION	L0011381	VOLUME	651785.328	4183498.250	14.87
LOCATION	L0011382	VOLUME	651793.641	4183495.648	14.49
LOCATION	L0011383	VOLUME	651801.953	4183493.047	14.19
LOCATION	L0011384	VOLUME	651810.265	4183490.446	13.97
LOCATION	L0011385	VOLUME	651818.578	4183487.844	13.78
LOCATION	L0011386	VOLUME	651826.890	4183485.243	13.72
LOCATION	L0011387	VOLUME	651835.203	4183482.641	13.76
LOCATION	L0011388	VOLUME	651843.515	4183480.040	13.82
LOCATION	L0011389	VOLUME	651851.828	4183477.439	14.00
LOCATION	L0011390	VOLUME	651860.140	4183474.837	14.25
LOCATION	L0011391	VOLUME	651868.453	4183472.236	14.43
LOCATION	L0011392	VOLUME	651876.765	4183469.635	14.71
LOCATION	L0011393	VOLUME	651885.078	4183467.033	14.44
LOCATION	L0011394	VOLUME	651893.390	4183464.432	14.08
LOCATION	L0011395	VOLUME	651901.702	4183461.830	13.82
LOCATION	L0011396	VOLUME	651910.015	4183459.229	13.63
LOCATION	L0011397	VOLUME	651918.327	4183456.628	13.47
LOCATION	L0011398	VOLUME	651926.640	4183454.026	13.43
LOCATION	L0011399	VOLUME	651934.952	4183451.425	13.46
LOCATION	L0011400	VOLUME	651943.265	4183448.823	13.50
LOCATION	L0011401	VOLUME	651951.577	4183446.222	13.64
LOCATION	L0011402	VOLUME	651959.890	4183443.621	13.78
LOCATION	L0011403	VOLUME	651968.202	4183441.019	13.86
LOCATION	L0011404	VOLUME	651976.515	4183438.418	13.61
LOCATION	L0011405	VOLUME	651984.827	4183435.816	13.20
LOCATION	L0011406	VOLUME	651993.139	4183433.215	12.77
LOCATION	L0011407	VOLUME	652001.452	4183430.614	12.45
LOCATION	L0011408	VOLUME	652009.764	4183428.012	12.18
LOCATION	L0011409	VOLUME	652018.077	4183425.411	11.94
LOCATION	L0011410	VOLUME	652026.389	4183422.809	11.83
LOCATION	L0011411	VOLUME	652034.702	4183420.208	11.74
LOCATION	L0011412	VOLUME	652043.014	4183417.607	11.64
LOCATION	L0011413	VOLUME	652051.327	4183415.005	11.64
LOCATION	L0011414	VOLUME	652059.639	4183412.404	11.60
LOCATION	L0011415	VOLUME	652067.952	4183409.803	11.26
LOCATION	L0011416	VOLUME	652076.264	4183407.201	10.82
LOCATION	L0011417	VOLUME	652084.576	4183404.600	10.37
LOCATION	L0011418	VOLUME	652092.889	4183401.998	9.95
LOCATION	L0011419	VOLUME	652101.201	4183399.397	9.62

LOCATION	L0011420	VOLUME	652109.514	4183396.796	9.33
LOCATION	L0011421	VOLUME	652117.826	4183394.194	9.07
LOCATION	L0011422	VOLUME	652126.139	4183391.593	8.90
LOCATION	L0011423	VOLUME	652134.451	4183388.991	8.73
LOCATION	L0011424	VOLUME	652142.764	4183386.390	8.57
LOCATION	L0011425	VOLUME	652151.076	4183383.789	8.46
LOCATION	L0011426	VOLUME	652159.389	4183381.189	8.23
LOCATION	L0011427	VOLUME	652167.714	4183378.627	7.88
LOCATION	L0011428	VOLUME	652176.039	4183376.066	7.58
LOCATION	L0011429	VOLUME	652184.363	4183373.504	7.31
LOCATION	L0011430	VOLUME	652192.688	4183370.943	7.08
LOCATION	L0011431	VOLUME	652201.013	4183368.381	6.91
LOCATION	L0011432	VOLUME	652209.338	4183365.820	6.75
LOCATION	L0011433	VOLUME	652217.663	4183363.258	6.62
LOCATION	L0011434	VOLUME	652225.988	4183360.697	6.53
LOCATION	L0011435	VOLUME	652234.312	4183358.135	6.43
LOCATION	L0011436	VOLUME	652242.637	4183355.574	6.34
LOCATION	L0011437	VOLUME	652250.962	4183353.012	6.25
LOCATION	L0011438	VOLUME	652259.287	4183350.451	6.06
LOCATION	L0011439	VOLUME	652267.612	4183347.889	5.88
LOCATION	L0011440	VOLUME	652275.937	4183345.328	5.73
LOCATION	L0011441	VOLUME	652284.262	4183342.766	5.67
LOCATION	L0011442	VOLUME	652292.586	4183340.205	5.66
LOCATION	L0011443	VOLUME	652300.911	4183337.643	5.69
LOCATION	L0011444	VOLUME	652309.236	4183335.082	5.77
LOCATION	L0011445	VOLUME	652317.561	4183332.521	5.87
LOCATION	L0011446	VOLUME	652325.886	4183329.959	5.99
LOCATION	L0011447	VOLUME	652334.211	4183327.398	6.03
LOCATION	L0011448	VOLUME	652342.535	4183324.836	6.08
LOCATION	L0011449	VOLUME	652350.860	4183322.275	6.13
LOCATION	L0011450	VOLUME	652359.185	4183319.713	6.20
LOCATION	L0011451	VOLUME	652367.510	4183317.152	6.28
LOCATION	L0011452	VOLUME	652375.835	4183314.590	6.37
LOCATION	L0011453	VOLUME	652384.160	4183312.029	6.44
LOCATION	L0011454	VOLUME	652392.484	4183309.467	6.52
LOCATION	L0011455	VOLUME	652400.809	4183306.906	6.60
LOCATION	L0011456	VOLUME	652409.134	4183304.344	6.65
LOCATION	L0011457	VOLUME	652417.399	4183301.597	6.70
LOCATION	L0011458	VOLUME	652425.649	4183298.804	6.76
LOCATION	L0011459	VOLUME	652433.899	4183296.012	6.80
LOCATION	L0011460	VOLUME	652442.149	4183293.219	6.80
LOCATION	L0011461	VOLUME	652450.400	4183290.427	6.79
LOCATION	L0011462	VOLUME	652458.650	4183287.634	6.80
LOCATION	L0011463	VOLUME	652466.900	4183284.842	6.81
LOCATION	L0011464	VOLUME	652475.150	4183282.049	6.83
LOCATION	L0011465	VOLUME	652483.400	4183279.257	6.87
LOCATION	L0011466	VOLUME	652491.651	4183276.464	6.92
LOCATION	L0011467	VOLUME	652499.901	4183273.672	6.97
LOCATION	L0011468	VOLUME	652508.151	4183270.879	7.04
LOCATION	L0011469	VOLUME	652516.401	4183268.087	7.10

LOCATION	L0011470	VOLUME	652524.652	4183265.294	7.16
LOCATION	L0011471	VOLUME	652532.902	4183262.502	7.17
LOCATION	L0011472	VOLUME	652541.152	4183259.709	7.18
LOCATION	L0011473	VOLUME	652549.402	4183256.917	7.19
LOCATION	L0011474	VOLUME	652557.652	4183254.124	7.20
LOCATION	L0011475	VOLUME	652565.903	4183251.332	7.22
LOCATION	L0011476	VOLUME	652574.153	4183248.539	7.24
LOCATION	L0011477	VOLUME	652582.403	4183245.747	7.24
LOCATION	L0011478	VOLUME	652590.653	4183242.954	7.25
LOCATION	L0011479	VOLUME	652599.039	4183240.607	7.25
LOCATION	L0011480	VOLUME	652607.450	4183238.345	7.24
LOCATION	L0011481	VOLUME	652615.861	4183236.083	7.22
LOCATION	L0011482	VOLUME	652624.272	4183233.821	7.18
LOCATION	L0011483	VOLUME	652632.683	4183231.559	7.13
LOCATION	L0011484	VOLUME	652641.094	4183229.297	7.09
LOCATION	L0011485	VOLUME	652649.505	4183227.035	7.07
LOCATION	L0011486	VOLUME	652657.917	4183224.773	7.05
LOCATION	L0011487	VOLUME	652666.328	4183222.511	7.03
LOCATION	L0011488	VOLUME	652674.739	4183220.249	7.02
LOCATION	L0011489	VOLUME	652683.150	4183217.987	7.02
LOCATION	L0011490	VOLUME	652691.561	4183215.725	7.02
LOCATION	L0011491	VOLUME	652699.972	4183213.463	7.03
LOCATION	L0011492	VOLUME	652708.384	4183211.201	7.04
LOCATION	L0011493	VOLUME	652716.795	4183208.939	7.06
LOCATION	L0011494	VOLUME	652725.266	4183206.920	7.06
LOCATION	L0011495	VOLUME	652733.766	4183205.020	7.06
LOCATION	L0011496	VOLUME	652742.266	4183203.120	7.06
LOCATION	L0011497	VOLUME	652750.766	4183201.220	7.05
LOCATION	L0011498	VOLUME	652759.267	4183199.320	7.03
LOCATION	L0011499	VOLUME	652767.767	4183197.420	7.01
LOCATION	L0011500	VOLUME	652776.267	4183195.520	6.99
LOCATION	L0011501	VOLUME	652784.767	4183193.620	6.97
LOCATION	L0011502	VOLUME	652793.268	4183191.720	6.95
LOCATION	L0011503	VOLUME	652801.768	4183189.820	6.93
LOCATION	L0011504	VOLUME	652810.333	4183188.258	6.92
LOCATION	L0011505	VOLUME	652818.930	4183186.854	6.90
LOCATION	L0011506	VOLUME	652827.526	4183185.451	6.89
LOCATION	L0011507	VOLUME	652836.122	4183184.047	6.88
LOCATION	L0011508	VOLUME	652844.718	4183182.644	6.87
LOCATION	L0011509	VOLUME	652853.314	4183181.240	6.87
LOCATION	L0011510	VOLUME	652861.910	4183179.837	6.86
LOCATION	L0011511	VOLUME	652870.512	4183178.470	6.85
LOCATION	L0011512	VOLUME	652879.167	4183177.493	6.84
LOCATION	L0011513	VOLUME	652887.822	4183176.515	6.84
LOCATION	L0011514	VOLUME	652896.477	4183175.537	6.83
LOCATION	L0011515	VOLUME	652905.132	4183174.560	6.83
LOCATION	L0011516	VOLUME	652913.787	4183173.582	6.83
LOCATION	L0011517	VOLUME	652922.441	4183172.604	6.83
LOCATION	L0011518	VOLUME	652931.096	4183171.627	6.83
LOCATION	L0011519	VOLUME	652939.751	4183170.649	6.83

LOCATION	L0011520	VOLUME	652948.406	4183169.671	6.83
LOCATION	L0011521	VOLUME	652957.061	4183168.694	6.83
LOCATION	L0011522	VOLUME	652965.716	4183167.716	6.83
LOCATION	L0011523	VOLUME	652974.388	4183166.922	6.83
LOCATION	L0011524	VOLUME	652983.076	4183166.310	6.83
LOCATION	L0011525	VOLUME	652991.765	4183165.697	6.83
LOCATION	L0011526	VOLUME	653000.453	4183165.085	6.83
LOCATION	L0011527	VOLUME	653009.142	4183164.473	6.83
LOCATION	L0011528	VOLUME	653017.842	4183164.099	6.83
LOCATION	L0011529	VOLUME	653026.549	4183163.856	6.83
LOCATION	L0011530	VOLUME	653035.255	4183163.612	6.83
LOCATION	L0011531	VOLUME	653043.962	4183163.368	6.84
LOCATION	L0011532	VOLUME	653052.668	4183163.125	6.84
LOCATION	L0011533	VOLUME	653061.375	4183162.881	6.84
LOCATION	L0011534	VOLUME	653070.082	4183162.637	6.84
LOCATION	L0011535	VOLUME	653078.791	4183162.696	6.84
LOCATION	L0011536	VOLUME	653087.501	4183162.762	6.84
LOCATION	L0011537	VOLUME	653096.211	4183162.829	6.84
LOCATION	L0011538	VOLUME	653104.921	4183162.895	6.84
LOCATION	L0011539	VOLUME	653113.630	4183162.961	6.84
LOCATION	L0011540	VOLUME	653122.340	4183163.027	6.83
LOCATION	L0011541	VOLUME	653131.050	4183163.093	6.83
LOCATION	L0011542	VOLUME	653139.760	4183163.159	6.82
LOCATION	L0011543	VOLUME	653148.469	4183163.225	6.82
LOCATION	L0011544	VOLUME	653157.179	4183163.291	6.81
LOCATION	L0011545	VOLUME	653165.889	4183163.357	6.81
LOCATION	L0011546	VOLUME	653174.597	4183163.509	6.81
LOCATION	L0011547	VOLUME	653183.306	4183163.682	6.81
LOCATION	L0011548	VOLUME	653192.014	4183163.856	6.81
LOCATION	L0011549	VOLUME	653200.722	4183164.030	6.81
LOCATION	L0011550	VOLUME	653209.430	4183164.203	6.81
LOCATION	L0011551	VOLUME	653218.139	4183164.377	6.81
LOCATION	L0011552	VOLUME	653226.847	4183164.551	6.81
LOCATION	L0011553	VOLUME	653235.555	4183164.724	6.81
LOCATION	L0011554	VOLUME	653244.263	4183164.898	6.82
LOCATION	L0011555	VOLUME	653252.972	4183165.072	6.82
LOCATION	L0011556	VOLUME	653261.680	4183165.245	6.83
LOCATION	L0011557	VOLUME	653270.388	4183165.419	6.83
LOCATION	L0011558	VOLUME	653279.097	4183165.593	6.84
LOCATION	L0011559	VOLUME	653287.805	4183165.766	6.85
LOCATION	L0011560	VOLUME	653296.513	4183165.940	6.86
LOCATION	L0011561	VOLUME	653305.221	4183166.114	6.86
LOCATION	L0011562	VOLUME	653313.930	4183166.287	6.88
LOCATION	L0011563	VOLUME	653322.638	4183166.461	6.89
LOCATION	L0011564	VOLUME	653331.346	4183166.541	6.91
LOCATION	L0011565	VOLUME	653340.055	4183166.402	6.92
LOCATION	L0011566	VOLUME	653348.764	4183166.262	6.94
LOCATION	L0011567	VOLUME	653357.473	4183166.123	6.95
LOCATION	L0011568	VOLUME	653366.182	4183165.984	6.97
LOCATION	L0011569	VOLUME	653374.891	4183165.845	6.98

LOCATION L0011570	VOLUME	653383.600	4183165.706	7.00
LOCATION L0011571	VOLUME	653392.309	4183165.566	7.02
LOCATION L0011572	VOLUME	653401.017	4183165.427	7.05
LOCATION L0011573	VOLUME	653409.726	4183165.288	7.08

** End of LINE VOLUME Source ID = SLINE1

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC SR-120 EB_Off-Ramp

** PREFIX

** Length of Side = 8.71

** Configuration = Adjacent

** Emission Rate = 8.68E-06

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 14

** 653410.448, 4183165.581, 7.08, 3.15, 4.05

** 653443.694, 4183163.543, 7.22, 3.15, 4.05

** 653483.683, 4183160.720, 7.37, 3.15, 4.05

** 653509.558, 4183158.838, 7.48, 3.15, 4.05

** 653534.492, 4183156.172, 7.56, 3.15, 4.05

** 653555.506, 4183151.781, 7.61, 3.15, 4.05

** 653579.180, 4183145.869, 7.66, 3.15, 4.05

** 653606.156, 4183135.832, 7.70, 3.15, 4.05

** 653626.544, 4183126.265, 7.75, 3.15, 4.05

** 653651.011, 4183113.562, 7.75, 3.15, 4.05

** 653689.749, 4183092.389, 7.78, 3.15, 4.05

** 653765.803, 4183047.870, 7.72, 3.15, 4.05

** 653842.499, 4183005.994, 7.73, 3.15, 4.05

** 653912.879, 4182968.088, 7.71, 3.15, 4.05

**

LOCATION L0011574 VOLUME 653414.794 4183165.315 7.10

LOCATION L0011575 VOLUME 653423.488 4183164.782 7.13

LOCATION L0011576 VOLUME 653432.182 4183164.248 7.17

LOCATION L0011577 VOLUME 653440.876 4183163.715 7.21

LOCATION L0011578 VOLUME 653449.566 4183163.128 7.25

LOCATION L0011579 VOLUME 653458.254 4183162.515 7.28

LOCATION L0011580 VOLUME 653466.942 4183161.901 7.32

LOCATION L0011581 VOLUME 653475.631 4183161.288 7.36

LOCATION L0011582 VOLUME 653484.319 4183160.674 7.39

LOCATION L0011583 VOLUME 653493.006 4183160.042 7.43

LOCATION L0011584 VOLUME 653501.693 4183159.410 7.46

LOCATION L0011585 VOLUME 653510.378 4183158.750 7.50

LOCATION L0011586 VOLUME 653519.038 4183157.824 7.52

LOCATION L0011587 VOLUME 653527.699 4183156.898 7.55

LOCATION L0011588 VOLUME 653536.331 4183155.788 7.57

LOCATION L0011589 VOLUME 653544.856 4183154.006 7.59

LOCATION L0011590 VOLUME 653553.382 4183152.225 7.61

LOCATION L0011591 VOLUME 653561.852 4183150.197 7.63

LOCATION L0011592 VOLUME 653570.302 4183148.086 7.65

LOCATION	L0011593	VOLUME	653578.753	4183145.976	7.67
LOCATION	L0011594	VOLUME	653586.930	4183142.986	7.68
LOCATION	L0011595	VOLUME	653595.094	4183139.948	7.70
LOCATION	L0011596	VOLUME	653603.257	4183136.911	7.71
LOCATION	L0011597	VOLUME	653611.241	4183133.446	7.72
LOCATION	L0011598	VOLUME	653619.126	4183129.746	7.73
LOCATION	L0011599	VOLUME	653627.002	4183126.028	7.73
LOCATION	L0011600	VOLUME	653634.732	4183122.014	7.74
LOCATION	L0011601	VOLUME	653642.462	4183118.000	7.75
LOCATION	L0011602	VOLUME	653650.192	4183113.987	7.76
LOCATION	L0011603	VOLUME	653657.844	4183109.827	7.76
LOCATION	L0011604	VOLUME	653665.487	4183105.649	7.75
LOCATION	L0011605	VOLUME	653673.130	4183101.472	7.75
LOCATION	L0011606	VOLUME	653680.773	4183097.295	7.75
LOCATION	L0011607	VOLUME	653688.416	4183093.117	7.75
LOCATION	L0011608	VOLUME	653695.955	4183088.756	7.75
LOCATION	L0011609	VOLUME	653703.471	4183084.356	7.75
LOCATION	L0011610	VOLUME	653710.988	4183079.956	7.75
LOCATION	L0011611	VOLUME	653718.505	4183075.556	7.76
LOCATION	L0011612	VOLUME	653726.022	4183071.156	7.76
LOCATION	L0011613	VOLUME	653733.539	4183066.756	7.75
LOCATION	L0011614	VOLUME	653741.056	4183062.356	7.75
LOCATION	L0011615	VOLUME	653748.573	4183057.956	7.74
LOCATION	L0011616	VOLUME	653756.090	4183053.556	7.74
LOCATION	L0011617	VOLUME	653763.607	4183049.156	7.74
LOCATION	L0011618	VOLUME	653771.214	4183044.916	7.74
LOCATION	L0011619	VOLUME	653778.859	4183040.742	7.74
LOCATION	L0011620	VOLUME	653786.503	4183036.568	7.73
LOCATION	L0011621	VOLUME	653794.148	4183032.393	7.73
LOCATION	L0011622	VOLUME	653801.793	4183028.219	7.73
LOCATION	L0011623	VOLUME	653809.437	4183024.045	7.72
LOCATION	L0011624	VOLUME	653817.082	4183019.871	7.72
LOCATION	L0011625	VOLUME	653824.727	4183015.697	7.72
LOCATION	L0011626	VOLUME	653832.371	4183011.523	7.71
LOCATION	L0011627	VOLUME	653840.016	4183007.349	7.71
LOCATION	L0011628	VOLUME	653847.677	4183003.205	7.71
LOCATION	L0011629	VOLUME	653855.345	4182999.074	7.70
LOCATION	L0011630	VOLUME	653863.014	4182994.944	7.70
LOCATION	L0011631	VOLUME	653870.682	4182990.814	7.69
LOCATION	L0011632	VOLUME	653878.351	4182986.684	7.69
LOCATION	L0011633	VOLUME	653886.019	4182982.554	7.69
LOCATION	L0011634	VOLUME	653893.688	4182978.424	7.69
LOCATION	L0011635	VOLUME	653901.356	4182974.293	7.69
LOCATION	L0011636	VOLUME	653909.025	4182970.163	7.69

** End of LINE VOLUME Source ID = SLINE2

**

** -----
 ** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Airport Way_Yosemite Ave to Atherton Dr

** PREFIX

** Length of Side = 8.70
 ** Configuration = Adjacent
 ** Emission Rate = 0.0000361
 ** Vertical Dimension = 6.29
 ** SZINIT = 2.93
 ** Nodes = 9
 ** 653877.867, 4184750.916, 8.57, 3.15, 4.05
 ** 653884.095, 4184480.003, 8.52, 3.15, 4.05
 ** 653893.683, 4183903.930, 9.43, 3.15, 4.05
 ** 653905.085, 4183629.379, 7.78, 3.15, 4.05
 ** 653909.214, 4183407.797, 8.30, 3.15, 4.05
 ** 653913.343, 4183267.415, 8.36, 3.15, 4.05
 ** 653914.822, 4183156.069, 8.22, 3.15, 4.05
 ** 653915.263, 4182967.227, 7.71, 3.15, 4.05
 ** 653919.006, 4182756.022, 7.28, 3.15, 4.05

LOCATION	VOLUME			
L0011637	653877.967	4184746.567	8.57	
L0011638	653878.167	4184737.870	8.59	
L0011639	653878.367	4184729.172	8.60	
L0011640	653878.567	4184720.474	8.60	
L0011641	653878.767	4184711.777	8.61	
L0011642	653878.967	4184703.079	8.62	
L0011643	653879.167	4184694.381	8.62	
L0011644	653879.367	4184685.684	8.63	
L0011645	653879.567	4184676.986	8.63	
L0011646	653879.767	4184668.288	8.63	
L0011647	653879.966	4184659.590	8.62	
L0011648	653880.166	4184650.893	8.62	
L0011649	653880.366	4184642.195	8.62	
L0011650	653880.566	4184633.497	8.61	
L0011651	653880.766	4184624.800	8.61	
L0011652	653880.966	4184616.102	8.60	
L0011653	653881.166	4184607.404	8.60	
L0011654	653881.366	4184598.707	8.61	
L0011655	653881.566	4184590.009	8.61	
L0011656	653881.766	4184581.311	8.61	
L0011657	653881.966	4184572.613	8.62	
L0011658	653882.166	4184563.916	8.63	
L0011659	653882.366	4184555.218	8.63	
L0011660	653882.566	4184546.520	8.63	
L0011661	653882.766	4184537.823	8.64	
L0011662	653882.966	4184529.125	8.64	
L0011663	653883.166	4184520.427	8.63	
L0011664	653883.366	4184511.730	8.60	
L0011665	653883.566	4184503.032	8.58	
L0011666	653883.765	4184494.334	8.56	
L0011667	653883.965	4184485.636	8.51	
L0011668	653884.146	4184476.938	8.47	
L0011669	653884.291	4184468.240	8.42	
L0011670	653884.435	4184459.541	8.39	

LOCATION	L0011671	VOLUME	653884.580	4184450.842	8.40
LOCATION	L0011672	VOLUME	653884.725	4184442.143	8.40
LOCATION	L0011673	VOLUME	653884.870	4184433.444	8.41
LOCATION	L0011674	VOLUME	653885.015	4184424.746	8.41
LOCATION	L0011675	VOLUME	653885.159	4184416.047	8.42
LOCATION	L0011676	VOLUME	653885.304	4184407.348	8.43
LOCATION	L0011677	VOLUME	653885.449	4184398.649	8.44
LOCATION	L0011678	VOLUME	653885.594	4184389.950	8.46
LOCATION	L0011679	VOLUME	653885.738	4184381.252	8.49
LOCATION	L0011680	VOLUME	653885.883	4184372.553	8.52
LOCATION	L0011681	VOLUME	653886.028	4184363.854	8.55
LOCATION	L0011682	VOLUME	653886.173	4184355.155	8.60
LOCATION	L0011683	VOLUME	653886.318	4184346.456	8.64
LOCATION	L0011684	VOLUME	653886.462	4184337.758	8.68
LOCATION	L0011685	VOLUME	653886.607	4184329.059	8.73
LOCATION	L0011686	VOLUME	653886.752	4184320.360	8.79
LOCATION	L0011687	VOLUME	653886.897	4184311.661	8.84
LOCATION	L0011688	VOLUME	653887.041	4184302.962	8.90
LOCATION	L0011689	VOLUME	653887.186	4184294.264	8.97
LOCATION	L0011690	VOLUME	653887.331	4184285.565	9.04
LOCATION	L0011691	VOLUME	653887.476	4184276.866	9.10
LOCATION	L0011692	VOLUME	653887.621	4184268.167	9.16
LOCATION	L0011693	VOLUME	653887.765	4184259.468	9.22
LOCATION	L0011694	VOLUME	653887.910	4184250.770	9.28
LOCATION	L0011695	VOLUME	653888.055	4184242.071	9.32
LOCATION	L0011696	VOLUME	653888.200	4184233.372	9.36
LOCATION	L0011697	VOLUME	653888.344	4184224.673	9.40
LOCATION	L0011698	VOLUME	653888.489	4184215.974	9.44
LOCATION	L0011699	VOLUME	653888.634	4184207.276	9.48
LOCATION	L0011700	VOLUME	653888.779	4184198.577	9.52
LOCATION	L0011701	VOLUME	653888.924	4184189.878	9.56
LOCATION	L0011702	VOLUME	653889.068	4184181.179	9.61
LOCATION	L0011703	VOLUME	653889.213	4184172.480	9.66
LOCATION	L0011704	VOLUME	653889.358	4184163.782	9.72
LOCATION	L0011705	VOLUME	653889.503	4184155.083	9.78
LOCATION	L0011706	VOLUME	653889.647	4184146.384	9.82
LOCATION	L0011707	VOLUME	653889.792	4184137.685	9.87
LOCATION	L0011708	VOLUME	653889.937	4184128.987	9.91
LOCATION	L0011709	VOLUME	653890.082	4184120.288	9.95
LOCATION	L0011710	VOLUME	653890.227	4184111.589	9.99
LOCATION	L0011711	VOLUME	653890.371	4184102.890	10.03
LOCATION	L0011712	VOLUME	653890.516	4184094.191	10.07
LOCATION	L0011713	VOLUME	653890.661	4184085.493	10.08
LOCATION	L0011714	VOLUME	653890.806	4184076.794	10.09
LOCATION	L0011715	VOLUME	653890.950	4184068.095	10.10
LOCATION	L0011716	VOLUME	653891.095	4184059.396	10.10
LOCATION	L0011717	VOLUME	653891.240	4184050.697	10.09
LOCATION	L0011718	VOLUME	653891.385	4184041.999	10.08
LOCATION	L0011719	VOLUME	653891.530	4184033.300	10.07
LOCATION	L0011720	VOLUME	653891.674	4184024.601	10.06

LOCATION	L0011721	VOLUME	653891.819	4184015.902	10.04
LOCATION	L0011722	VOLUME	653891.964	4184007.203	10.02
LOCATION	L0011723	VOLUME	653892.109	4183998.505	10.00
LOCATION	L0011724	VOLUME	653892.253	4183989.806	9.97
LOCATION	L0011725	VOLUME	653892.398	4183981.107	9.93
LOCATION	L0011726	VOLUME	653892.543	4183972.408	9.90
LOCATION	L0011727	VOLUME	653892.688	4183963.709	9.85
LOCATION	L0011728	VOLUME	653892.833	4183955.011	9.79
LOCATION	L0011729	VOLUME	653892.977	4183946.312	9.73
LOCATION	L0011730	VOLUME	653893.122	4183937.613	9.67
LOCATION	L0011731	VOLUME	653893.267	4183928.914	9.61
LOCATION	L0011732	VOLUME	653893.412	4183920.215	9.54
LOCATION	L0011733	VOLUME	653893.556	4183911.517	9.48
LOCATION	L0011734	VOLUME	653893.729	4183902.819	9.42
LOCATION	L0011735	VOLUME	653894.090	4183894.126	9.36
LOCATION	L0011736	VOLUME	653894.451	4183885.434	9.30
LOCATION	L0011737	VOLUME	653894.812	4183876.741	9.24
LOCATION	L0011738	VOLUME	653895.173	4183868.049	9.16
LOCATION	L0011739	VOLUME	653895.534	4183859.356	9.08
LOCATION	L0011740	VOLUME	653895.895	4183850.664	9.01
LOCATION	L0011741	VOLUME	653896.256	4183841.971	8.93
LOCATION	L0011742	VOLUME	653896.617	4183833.279	8.84
LOCATION	L0011743	VOLUME	653896.978	4183824.586	8.76
LOCATION	L0011744	VOLUME	653897.339	4183815.894	8.68
LOCATION	L0011745	VOLUME	653897.700	4183807.201	8.60
LOCATION	L0011746	VOLUME	653898.061	4183798.509	8.53
LOCATION	L0011747	VOLUME	653898.422	4183789.816	8.45
LOCATION	L0011748	VOLUME	653898.783	4183781.124	8.38
LOCATION	L0011749	VOLUME	653899.144	4183772.431	8.31
LOCATION	L0011750	VOLUME	653899.505	4183763.739	8.24
LOCATION	L0011751	VOLUME	653899.866	4183755.046	8.17
LOCATION	L0011752	VOLUME	653900.227	4183746.354	8.11
LOCATION	L0011753	VOLUME	653900.588	4183737.661	8.06
LOCATION	L0011754	VOLUME	653900.949	4183728.969	8.00
LOCATION	L0011755	VOLUME	653901.310	4183720.276	7.94
LOCATION	L0011756	VOLUME	653901.671	4183711.583	7.90
LOCATION	L0011757	VOLUME	653902.032	4183702.891	7.85
LOCATION	L0011758	VOLUME	653902.393	4183694.198	7.81
LOCATION	L0011759	VOLUME	653902.754	4183685.506	7.78
LOCATION	L0011760	VOLUME	653903.115	4183676.813	7.76
LOCATION	L0011761	VOLUME	653903.476	4183668.121	7.74
LOCATION	L0011762	VOLUME	653903.837	4183659.428	7.73
LOCATION	L0011763	VOLUME	653904.198	4183650.736	7.74
LOCATION	L0011764	VOLUME	653904.559	4183642.043	7.74
LOCATION	L0011765	VOLUME	653904.920	4183633.351	7.75
LOCATION	L0011766	VOLUME	653905.173	4183624.655	7.78
LOCATION	L0011767	VOLUME	653905.335	4183615.957	7.83
LOCATION	L0011768	VOLUME	653905.498	4183607.258	7.88
LOCATION	L0011769	VOLUME	653905.660	4183598.560	7.93
LOCATION	L0011770	VOLUME	653905.822	4183589.861	8.01

LOCATION	L0011771	VOLUME	653905.984	4183581.163	8.10
LOCATION	L0011772	VOLUME	653906.146	4183572.464	8.18
LOCATION	L0011773	VOLUME	653906.308	4183563.766	8.22
LOCATION	L0011774	VOLUME	653906.470	4183555.067	8.24
LOCATION	L0011775	VOLUME	653906.632	4183546.369	8.25
LOCATION	L0011776	VOLUME	653906.794	4183537.670	8.27
LOCATION	L0011777	VOLUME	653906.956	4183528.972	8.28
LOCATION	L0011778	VOLUME	653907.118	4183520.273	8.28
LOCATION	L0011779	VOLUME	653907.280	4183511.575	8.29
LOCATION	L0011780	VOLUME	653907.443	4183502.876	8.29
LOCATION	L0011781	VOLUME	653907.605	4183494.178	8.29
LOCATION	L0011782	VOLUME	653907.767	4183485.479	8.30
LOCATION	L0011783	VOLUME	653907.929	4183476.781	8.30
LOCATION	L0011784	VOLUME	653908.091	4183468.082	8.29
LOCATION	L0011785	VOLUME	653908.253	4183459.384	8.29
LOCATION	L0011786	VOLUME	653908.415	4183450.685	8.28
LOCATION	L0011787	VOLUME	653908.577	4183441.987	8.28
LOCATION	L0011788	VOLUME	653908.739	4183433.288	8.29
LOCATION	L0011789	VOLUME	653908.901	4183424.590	8.29
LOCATION	L0011790	VOLUME	653909.063	4183415.891	8.29
LOCATION	L0011791	VOLUME	653909.225	4183407.193	8.30
LOCATION	L0011792	VOLUME	653909.387	4183398.497	8.30
LOCATION	L0011793	VOLUME	653909.549	4183389.801	8.31
LOCATION	L0011794	VOLUME	653909.711	4183381.104	8.31
LOCATION	L0011795	VOLUME	653910.000	4183372.408	8.32
LOCATION	L0011796	VOLUME	653910.162	4183363.712	8.32
LOCATION	L0011797	VOLUME	653910.324	4183355.016	8.33
LOCATION	L0011798	VOLUME	653910.486	4183346.319	8.33
LOCATION	L0011799	VOLUME	653910.648	4183337.623	8.34
LOCATION	L0011800	VOLUME	653910.810	4183328.927	8.35
LOCATION	L0011801	VOLUME	653910.972	4183320.231	8.36
LOCATION	L0011802	VOLUME	653911.134	4183311.534	8.35
LOCATION	L0011803	VOLUME	653911.296	4183302.838	8.35
LOCATION	L0011804	VOLUME	653911.458	4183294.142	8.35
LOCATION	L0011805	VOLUME	653911.620	4183285.446	8.36
LOCATION	L0011806	VOLUME	653911.782	4183276.749	8.36
LOCATION	L0011807	VOLUME	653911.944	4183268.053	8.36
LOCATION	L0011808	VOLUME	653912.106	4183259.354	8.36
LOCATION	L0011809	VOLUME	653912.268	4183250.655	8.36
LOCATION	L0011810	VOLUME	653912.430	4183241.956	8.35
LOCATION	L0011811	VOLUME	653912.592	4183233.257	8.34
LOCATION	L0011812	VOLUME	653912.754	4183224.557	8.34
LOCATION	L0011813	VOLUME	653912.916	4183215.858	8.33
LOCATION	L0011814	VOLUME	653913.078	4183207.159	8.32
LOCATION	L0011815	VOLUME	653913.240	4183198.460	8.31
LOCATION	L0011816	VOLUME	653913.402	4183189.760	8.28
LOCATION	L0011817	VOLUME	653913.564	4183181.061	8.26
LOCATION	L0011818	VOLUME	653913.726	4183172.362	8.24
LOCATION	L0011819	VOLUME	653913.888	4183163.663	8.22
LOCATION	L0011820	VOLUME	653914.050	4183154.963	8.21

LOCATION	L0011821	VOLUME	653914.845	4183146.263	8.19
LOCATION	L0011822	VOLUME	653914.865	4183137.563	8.18
LOCATION	L0011823	VOLUME	653914.885	4183128.863	8.16
LOCATION	L0011824	VOLUME	653914.906	4183120.163	8.14
LOCATION	L0011825	VOLUME	653914.926	4183111.463	8.12
LOCATION	L0011826	VOLUME	653914.946	4183102.763	8.10
LOCATION	L0011827	VOLUME	653914.967	4183094.064	8.07
LOCATION	L0011828	VOLUME	653914.987	4183085.364	8.05
LOCATION	L0011829	VOLUME	653915.007	4183076.664	8.03
LOCATION	L0011830	VOLUME	653915.028	4183067.964	8.00
LOCATION	L0011831	VOLUME	653915.048	4183059.264	7.97
LOCATION	L0011832	VOLUME	653915.068	4183050.564	7.94
LOCATION	L0011833	VOLUME	653915.088	4183041.864	7.91
LOCATION	L0011834	VOLUME	653915.109	4183033.164	7.89
LOCATION	L0011835	VOLUME	653915.129	4183024.464	7.86
LOCATION	L0011836	VOLUME	653915.149	4183015.764	7.83
LOCATION	L0011837	VOLUME	653915.170	4183007.064	7.81
LOCATION	L0011838	VOLUME	653915.190	4182998.364	7.78
LOCATION	L0011839	VOLUME	653915.210	4182989.664	7.75
LOCATION	L0011840	VOLUME	653915.231	4182980.964	7.73
LOCATION	L0011841	VOLUME	653915.251	4182972.264	7.70
LOCATION	L0011842	VOLUME	653915.328	4182963.564	7.68
LOCATION	L0011843	VOLUME	653915.482	4182954.866	7.66
LOCATION	L0011844	VOLUME	653915.636	4182946.167	7.63
LOCATION	L0011845	VOLUME	653915.790	4182937.469	7.61
LOCATION	L0011846	VOLUME	653915.944	4182928.770	7.58
LOCATION	L0011847	VOLUME	653916.099	4182920.071	7.56
LOCATION	L0011848	VOLUME	653916.253	4182911.373	7.53
LOCATION	L0011849	VOLUME	653916.407	4182902.674	7.51
LOCATION	L0011850	VOLUME	653916.561	4182893.975	7.49
LOCATION	L0011851	VOLUME	653916.715	4182885.277	7.47
LOCATION	L0011852	VOLUME	653916.869	4182876.578	7.44
LOCATION	L0011853	VOLUME	653917.023	4182867.879	7.42
LOCATION	L0011854	VOLUME	653917.178	4182859.181	7.39
LOCATION	L0011855	VOLUME	653917.332	4182850.482	7.38
LOCATION	L0011856	VOLUME	653917.486	4182841.784	7.36
LOCATION	L0011857	VOLUME	653917.640	4182833.085	7.34
LOCATION	L0011858	VOLUME	653917.794	4182824.386	7.33
LOCATION	L0011859	VOLUME	653917.948	4182815.688	7.32
LOCATION	L0011860	VOLUME	653918.102	4182806.989	7.31
LOCATION	L0011861	VOLUME	653918.257	4182798.290	7.29
LOCATION	L0011862	VOLUME	653918.411	4182789.592	7.29
LOCATION	L0011863	VOLUME	653918.565	4182780.893	7.29
LOCATION	L0011864	VOLUME	653918.719	4182772.194	7.29
LOCATION	L0011865	VOLUME	653918.873	4182763.496	7.28

** End of LINE VOLUME Source ID = SLINE3

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Atherton Drive_Airport Way to Grocery Store Driveway

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** PREFIX
** Length of Side = 8.70
** Configuration = Adjacent
** Emission Rate = 0.0000524
** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 12
** 653916.917, 4182756.591, 7.28, 3.15, 4.05
** 653882.353, 4182756.789, 7.17, 3.15, 4.05
** 653846.557, 4182761.217, 7.04, 3.15, 4.05
** 653812.634, 4182769.034, 6.97, 3.15, 4.05
** 653789.143, 4182778.131, 6.94, 3.15, 4.05
** 653752.483, 4182796.166, 6.93, 3.15, 4.05
** 653699.099, 4182833.816, 6.93, 3.15, 4.05
** 653666.597, 4182868.140, 6.97, 3.15, 4.05
** 653646.257, 4182892.225, 6.98, 3.15, 4.05
** 653622.843, 4182921.801, 7.04, 3.15, 4.05
** 653569.237, 4182996.356, 7.34, 3.15, 4.05
** 653551.985, 4183015.457, 7.36, 3.15, 4.05

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LOCATION L0011866    VOLUME  653912.567 4182756.616 7.27
LOCATION L0011867    VOLUME  653903.867 4182756.666 7.24
LOCATION L0011868    VOLUME  653895.167 4182756.716 7.21
LOCATION L0011869    VOLUME  653886.467 4182756.765 7.17
LOCATION L0011870    VOLUME  653877.802 4182757.352 7.14
LOCATION L0011871    VOLUME  653869.168 4182758.420 7.11
LOCATION L0011872    VOLUME  653860.534 4182759.488 7.08
LOCATION L0011873    VOLUME  653851.900 4182760.556 7.05
LOCATION L0011874    VOLUME  653843.325 4182761.962 7.01
LOCATION L0011875    VOLUME  653834.847 4182763.915 6.96
LOCATION L0011876    VOLUME  653826.369 4182765.869 6.93
LOCATION L0011877    VOLUME  653817.892 4182767.823 6.92
LOCATION L0011878    VOLUME  653809.552 4182770.228 6.91
LOCATION L0011879    VOLUME  653801.439 4182773.369 6.91
LOCATION L0011880    VOLUME  653793.327 4182776.511 6.91
LOCATION L0011881    VOLUME  653785.362 4182779.991 6.91
LOCATION L0011882    VOLUME  653777.556 4182783.832 6.92
LOCATION L0011883    VOLUME  653769.749 4182787.672 6.92
LOCATION L0011884    VOLUME  653761.943 4182791.513 6.93
LOCATION L0011885    VOLUME  653754.136 4182795.353 6.93
LOCATION L0011886    VOLUME  653746.879 4182800.119 6.94
LOCATION L0011887    VOLUME  653739.769 4182805.133 6.95
LOCATION L0011888    VOLUME  653732.659 4182810.147 6.95
LOCATION L0011889    VOLUME  653725.550 4182815.161 6.95
LOCATION L0011890    VOLUME  653718.440 4182820.176 6.95
LOCATION L0011891    VOLUME  653711.330 4182825.190 6.95
LOCATION L0011892    VOLUME  653704.221 4182830.204 6.95
LOCATION L0011893    VOLUME  653697.426 4182835.583 6.94
LOCATION L0011894    VOLUME  653691.444 4182841.900 6.94
LOCATION L0011895    VOLUME  653685.463 4182848.217 6.94

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LOCATION	VOLUME	Source ID	Value 1	Value 2	Value 3
L0011896	653679.481	SLINE4	4182854.534	6.93	
L0011897	653673.499	SLINE4	4182860.851	6.93	
L0011898	653667.517	SLINE4	4182867.168	6.93	
L0011899	653661.847	SLINE4	4182873.765	6.94	
L0011900	653656.234	SLINE4	4182880.412	6.94	
L0011901	653650.620	SLINE4	4182887.058	6.95	
L0011902	653645.054	SLINE4	4182893.744	6.96	
L0011903	653639.654	SLINE4	4182900.565	6.98	
L0011904	653634.254	SLINE4	4182907.386	7.00	
L0011905	653628.854	SLINE4	4182914.208	7.02	
L0011906	653623.454	SLINE4	4182921.029	7.05	
L0011907	653618.339	SLINE4	4182928.065	7.08	
L0011908	653613.260	SLINE4	4182935.129	7.10	
L0011909	653608.181	SLINE4	4182942.192	7.14	
L0011910	653603.102	SLINE4	4182949.256	7.17	
L0011911	653598.023	SLINE4	4182956.320	7.20	
L0011912	653592.945	SLINE4	4182963.383	7.23	
L0011913	653587.866	SLINE4	4182970.447	7.26	
L0011914	653582.787	SLINE4	4182977.511	7.29	
L0011915	653577.708	SLINE4	4182984.574	7.31	
L0011916	653572.629	SLINE4	4182991.638	7.33	
L0011917	653567.300	SLINE4	4182998.500	7.34	
L0011918	653561.469	SLINE4	4183004.956	7.35	
L0011919	653555.637	SLINE4	4183011.413	7.36	

** End of LINE VOLUME Source ID = SLINE4

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC Airport Way_Fig Rd to Woodward Ave_55 mph

** PREFIX

** Length of Side = 8.70

** Configuration = Adjacent

** Emission Rate = 0.000059

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 6

** 653966.499, 4180633.055, 8.10, 3.15, 4.05

** 653964.759, 4180704.112, 7.99, 3.15, 4.05

** 653962.149, 4180819.252, 7.88, 3.15, 4.05

** 653959.138, 4180962.519, 7.96, 3.15, 4.05

** 653954.038, 4181192.008, 8.37, 3.15, 4.05

** 653927.444, 4182357.700, 7.65, 3.15, 4.05

** -----

LOCATION L0011920	VOLUME 653966.393	4180637.404	8.10
LOCATION L0011921	VOLUME 653966.180	4180646.102	8.09
LOCATION L0011922	VOLUME 653965.967	4180654.799	8.07
LOCATION L0011923	VOLUME 653965.754	4180663.496	8.06
LOCATION L0011924	VOLUME 653965.541	4180672.194	8.04
LOCATION L0011925	VOLUME 653965.328	4180680.891	8.03
LOCATION L0011926	VOLUME 653965.115	4180689.588	8.01

LOCATION	L0011927	VOLUME	653964.902	4180698.286	8.00
LOCATION	L0011928	VOLUME	653964.694	4180706.983	7.99
LOCATION	L0011929	VOLUME	653964.497	4180715.681	7.97
LOCATION	L0011930	VOLUME	653964.300	4180724.379	7.96
LOCATION	L0011931	VOLUME	653964.103	4180733.077	7.94
LOCATION	L0011932	VOLUME	653963.905	4180741.774	7.94
LOCATION	L0011933	VOLUME	653963.708	4180750.472	7.93
LOCATION	L0011934	VOLUME	653963.511	4180759.170	7.92
LOCATION	L0011935	VOLUME	653963.314	4180767.868	7.91
LOCATION	L0011936	VOLUME	653963.117	4180776.566	7.90
LOCATION	L0011937	VOLUME	653962.919	4180785.263	7.90
LOCATION	L0011938	VOLUME	653962.722	4180793.961	7.89
LOCATION	L0011939	VOLUME	653962.525	4180802.659	7.89
LOCATION	L0011940	VOLUME	653962.328	4180811.357	7.89
LOCATION	L0011941	VOLUME	653962.132	4180820.054	7.88
LOCATION	L0011942	VOLUME	653961.949	4180828.752	7.88
LOCATION	L0011943	VOLUME	653961.767	4180837.451	7.89
LOCATION	L0011944	VOLUME	653961.584	4180846.149	7.89
LOCATION	L0011945	VOLUME	653961.401	4180854.847	7.89
LOCATION	L0011946	VOLUME	653961.218	4180863.545	7.90
LOCATION	L0011947	VOLUME	653961.035	4180872.243	7.90
LOCATION	L0011948	VOLUME	653960.853	4180880.941	7.91
LOCATION	L0011949	VOLUME	653960.670	4180889.639	7.91
LOCATION	L0011950	VOLUME	653960.487	4180898.337	7.92
LOCATION	L0011951	VOLUME	653960.304	4180907.035	7.92
LOCATION	L0011952	VOLUME	653960.121	4180915.733	7.93
LOCATION	L0011953	VOLUME	653959.939	4180924.431	7.93
LOCATION	L0011954	VOLUME	653959.756	4180933.129	7.94
LOCATION	L0011955	VOLUME	653959.573	4180941.827	7.94
LOCATION	L0011956	VOLUME	653959.390	4180950.526	7.94
LOCATION	L0011957	VOLUME	653959.207	4180959.224	7.96
LOCATION	L0011958	VOLUME	653959.018	4180967.922	7.97
LOCATION	L0011959	VOLUME	653958.825	4180976.619	7.98
LOCATION	L0011960	VOLUME	653958.632	4180985.317	7.99
LOCATION	L0011961	VOLUME	653958.438	4180994.015	8.00
LOCATION	L0011962	VOLUME	653958.245	4181002.713	8.02
LOCATION	L0011963	VOLUME	653958.052	4181011.411	8.03
LOCATION	L0011964	VOLUME	653957.858	4181020.109	8.05
LOCATION	L0011965	VOLUME	653957.665	4181028.807	8.07
LOCATION	L0011966	VOLUME	653957.472	4181037.504	8.09
LOCATION	L0011967	VOLUME	653957.279	4181046.202	8.12
LOCATION	L0011968	VOLUME	653957.085	4181054.900	8.16
LOCATION	L0011969	VOLUME	653956.892	4181063.598	8.20
LOCATION	L0011970	VOLUME	653956.699	4181072.296	8.23
LOCATION	L0011971	VOLUME	653956.505	4181080.994	8.24
LOCATION	L0011972	VOLUME	653956.312	4181089.692	8.26
LOCATION	L0011973	VOLUME	653956.119	4181098.389	8.27
LOCATION	L0011974	VOLUME	653955.926	4181107.087	8.27
LOCATION	L0011975	VOLUME	653955.732	4181115.785	8.28
LOCATION	L0011976	VOLUME	653955.539	4181124.483	8.28

LOCATION	L0011977	VOLUME	653955.346	4181133.181	8.29
LOCATION	L0011978	VOLUME	653955.152	4181141.879	8.29
LOCATION	L0011979	VOLUME	653954.959	4181150.576	8.29
LOCATION	L0011980	VOLUME	653954.766	4181159.274	8.29
LOCATION	L0011981	VOLUME	653954.573	4181167.972	8.30
LOCATION	L0011982	VOLUME	653954.379	4181176.670	8.32
LOCATION	L0011983	VOLUME	653954.186	4181185.368	8.34
LOCATION	L0011984	VOLUME	653953.991	4181194.066	8.36
LOCATION	L0011985	VOLUME	653953.793	4181202.763	8.37
LOCATION	L0011986	VOLUME	653953.595	4181211.461	8.38
LOCATION	L0011987	VOLUME	653953.396	4181220.159	8.40
LOCATION	L0011988	VOLUME	653953.198	4181228.857	8.49
LOCATION	L0011989	VOLUME	653952.999	4181237.554	8.81
LOCATION	L0011990	VOLUME	653952.801	4181246.252	9.13
LOCATION	L0011991	VOLUME	653952.602	4181254.950	9.45
LOCATION	L0011992	VOLUME	653952.404	4181263.648	9.64
LOCATION	L0011993	VOLUME	653952.206	4181272.345	9.78
LOCATION	L0011994	VOLUME	653952.007	4181281.043	9.92
LOCATION	L0011995	VOLUME	653951.809	4181289.741	10.03
LOCATION	L0011996	VOLUME	653951.610	4181298.439	10.01
LOCATION	L0011997	VOLUME	653951.412	4181307.136	9.98
LOCATION	L0011998	VOLUME	653951.213	4181315.834	9.96
LOCATION	L0011999	VOLUME	653951.015	4181324.532	9.94
LOCATION	L0012000	VOLUME	653950.817	4181333.230	9.92
LOCATION	L0012001	VOLUME	653950.618	4181341.927	9.90
LOCATION	L0012002	VOLUME	653950.420	4181350.625	9.89
LOCATION	L0012003	VOLUME	653950.221	4181359.323	9.87
LOCATION	L0012004	VOLUME	653950.023	4181368.020	9.84
LOCATION	L0012005	VOLUME	653949.824	4181376.718	9.82
LOCATION	L0012006	VOLUME	653949.626	4181385.416	9.79
LOCATION	L0012007	VOLUME	653949.428	4181394.114	9.74
LOCATION	L0012008	VOLUME	653949.229	4181402.811	9.69
LOCATION	L0012009	VOLUME	653949.031	4181411.509	9.64
LOCATION	L0012010	VOLUME	653948.832	4181420.207	9.64
LOCATION	L0012011	VOLUME	653948.634	4181428.905	9.64
LOCATION	L0012012	VOLUME	653948.435	4181437.602	9.64
LOCATION	L0012013	VOLUME	653948.237	4181446.300	9.62
LOCATION	L0012014	VOLUME	653948.039	4181454.998	9.58
LOCATION	L0012015	VOLUME	653947.840	4181463.696	9.54
LOCATION	L0012016	VOLUME	653947.642	4181472.393	9.50
LOCATION	L0012017	VOLUME	653947.443	4181481.091	9.19
LOCATION	L0012018	VOLUME	653947.245	4181489.789	8.86
LOCATION	L0012019	VOLUME	653947.046	4181498.487	8.53
LOCATION	L0012020	VOLUME	653946.848	4181507.184	8.33
LOCATION	L0012021	VOLUME	653946.650	4181515.882	8.30
LOCATION	L0012022	VOLUME	653946.451	4181524.580	8.28
LOCATION	L0012023	VOLUME	653946.253	4181533.277	8.26
LOCATION	L0012024	VOLUME	653946.054	4181541.975	8.24
LOCATION	L0012025	VOLUME	653945.856	4181550.673	8.22
LOCATION	L0012026	VOLUME	653945.657	4181559.371	8.20

LOCATION	L0012027	VOLUME	653945.459	4181568.068	8.19
LOCATION	L0012028	VOLUME	653945.261	4181576.766	8.17
LOCATION	L0012029	VOLUME	653945.062	4181585.464	8.15
LOCATION	L0012030	VOLUME	653944.864	4181594.162	8.14
LOCATION	L0012031	VOLUME	653944.665	4181602.859	8.13
LOCATION	L0012032	VOLUME	653944.467	4181611.557	8.12
LOCATION	L0012033	VOLUME	653944.268	4181620.255	8.11
LOCATION	L0012034	VOLUME	653944.070	4181628.953	8.10
LOCATION	L0012035	VOLUME	653943.872	4181637.650	8.09
LOCATION	L0012036	VOLUME	653943.673	4181646.348	8.08
LOCATION	L0012037	VOLUME	653943.475	4181655.046	8.07
LOCATION	L0012038	VOLUME	653943.276	4181663.744	8.05
LOCATION	L0012039	VOLUME	653943.078	4181672.441	8.04
LOCATION	L0012040	VOLUME	653942.879	4181681.139	8.02
LOCATION	L0012041	VOLUME	653942.681	4181689.837	8.01
LOCATION	L0012042	VOLUME	653942.483	4181698.534	8.00
LOCATION	L0012043	VOLUME	653942.284	4181707.232	7.99
LOCATION	L0012044	VOLUME	653942.086	4181715.930	7.98
LOCATION	L0012045	VOLUME	653941.887	4181724.628	7.97
LOCATION	L0012046	VOLUME	653941.689	4181733.325	7.96
LOCATION	L0012047	VOLUME	653941.490	4181742.023	7.95
LOCATION	L0012048	VOLUME	653941.292	4181750.721	7.94
LOCATION	L0012049	VOLUME	653941.093	4181759.419	7.93
LOCATION	L0012050	VOLUME	653940.895	4181768.116	7.91
LOCATION	L0012051	VOLUME	653940.697	4181776.814	7.90
LOCATION	L0012052	VOLUME	653940.498	4181785.512	7.89
LOCATION	L0012053	VOLUME	653940.300	4181794.210	7.88
LOCATION	L0012054	VOLUME	653940.101	4181802.907	7.87
LOCATION	L0012055	VOLUME	653939.903	4181811.605	7.87
LOCATION	L0012056	VOLUME	653939.704	4181820.303	7.85
LOCATION	L0012057	VOLUME	653939.506	4181829.001	7.84
LOCATION	L0012058	VOLUME	653939.308	4181837.698	7.83
LOCATION	L0012059	VOLUME	653939.109	4181846.396	7.82
LOCATION	L0012060	VOLUME	653938.911	4181855.094	7.82
LOCATION	L0012061	VOLUME	653938.712	4181863.791	7.81
LOCATION	L0012062	VOLUME	653938.514	4181872.489	7.80
LOCATION	L0012063	VOLUME	653938.315	4181881.187	7.79
LOCATION	L0012064	VOLUME	653938.117	4181889.885	7.79
LOCATION	L0012065	VOLUME	653937.919	4181898.582	7.78
LOCATION	L0012066	VOLUME	653937.720	4181907.280	7.77
LOCATION	L0012067	VOLUME	653937.522	4181915.978	7.77
LOCATION	L0012068	VOLUME	653937.323	4181924.676	7.76
LOCATION	L0012069	VOLUME	653937.125	4181933.373	7.75
LOCATION	L0012070	VOLUME	653936.926	4181942.071	7.75
LOCATION	L0012071	VOLUME	653936.728	4181950.769	7.74
LOCATION	L0012072	VOLUME	653936.530	4181959.467	7.73
LOCATION	L0012073	VOLUME	653936.331	4181968.164	7.73
LOCATION	L0012074	VOLUME	653936.133	4181976.862	7.73
LOCATION	L0012075	VOLUME	653935.934	4181985.560	7.72
LOCATION	L0012076	VOLUME	653935.736	4181994.258	7.72

LOCATION	L0012077	VOLUME	653935.537	4182002.955	7.71
LOCATION	L0012078	VOLUME	653935.339	4182011.653	7.71
LOCATION	L0012079	VOLUME	653935.141	4182020.351	7.70
LOCATION	L0012080	VOLUME	653934.942	4182029.048	7.69
LOCATION	L0012081	VOLUME	653934.744	4182037.746	7.69
LOCATION	L0012082	VOLUME	653934.545	4182046.444	7.69
LOCATION	L0012083	VOLUME	653934.347	4182055.142	7.69
LOCATION	L0012084	VOLUME	653934.148	4182063.839	7.68
LOCATION	L0012085	VOLUME	653933.950	4182072.537	7.68
LOCATION	L0012086	VOLUME	653933.752	4182081.235	7.68
LOCATION	L0012087	VOLUME	653933.553	4182089.933	7.68
LOCATION	L0012088	VOLUME	653933.355	4182098.630	7.68
LOCATION	L0012089	VOLUME	653933.156	4182107.328	7.68
LOCATION	L0012090	VOLUME	653932.958	4182116.026	7.68
LOCATION	L0012091	VOLUME	653932.759	4182124.724	7.69
LOCATION	L0012092	VOLUME	653932.561	4182133.421	7.69
LOCATION	L0012093	VOLUME	653932.363	4182142.119	7.69
LOCATION	L0012094	VOLUME	653932.164	4182150.817	7.69
LOCATION	L0012095	VOLUME	653931.966	4182159.515	7.70
LOCATION	L0012096	VOLUME	653931.767	4182168.212	7.70
LOCATION	L0012097	VOLUME	653931.569	4182176.910	7.71
LOCATION	L0012098	VOLUME	653931.370	4182185.608	7.71
LOCATION	L0012099	VOLUME	653931.172	4182194.305	7.71
LOCATION	L0012100	VOLUME	653930.974	4182203.003	7.72
LOCATION	L0012101	VOLUME	653930.775	4182211.701	7.72
LOCATION	L0012102	VOLUME	653930.577	4182220.399	7.72
LOCATION	L0012103	VOLUME	653930.378	4182229.096	7.71
LOCATION	L0012104	VOLUME	653930.180	4182237.794	7.71
LOCATION	L0012105	VOLUME	653929.981	4182246.492	7.71
LOCATION	L0012106	VOLUME	653929.783	4182255.190	7.70
LOCATION	L0012107	VOLUME	653929.585	4182263.887	7.70
LOCATION	L0012108	VOLUME	653929.386	4182272.585	7.70
LOCATION	L0012109	VOLUME	653929.188	4182281.283	7.70
LOCATION	L0012110	VOLUME	653928.989	4182289.981	7.69
LOCATION	L0012111	VOLUME	653928.791	4182298.678	7.69
LOCATION	L0012112	VOLUME	653928.592	4182307.376	7.69
LOCATION	L0012113	VOLUME	653928.394	4182316.074	7.69
LOCATION	L0012114	VOLUME	653928.196	4182324.772	7.69
LOCATION	L0012115	VOLUME	653927.997	4182333.469	7.68
LOCATION	L0012116	VOLUME	653927.799	4182342.167	7.67
LOCATION	L0012117	VOLUME	653927.600	4182350.865	7.66

** End of LINE VOLUME Source ID = SLINE5

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC Airport Way_Woodward Ave to Atherton Dr

** PREFIX

** Length of Side = 8.70

** Configuration = Adjacent

** Emission Rate = 7.25E-06

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** Vertical Dimension = 6.29
** SZINIT = 2.93
** Nodes = 8
** 653927.396, 4182356.369, 7.65, 3.15, 4.05
** 653925.855, 4182417.461, 7.56, 3.15, 4.05
** 653925.714, 4182484.679, 7.49, 3.15, 4.05
** 653924.647, 4182534.303, 7.38, 3.15, 4.05
** 653923.474, 4182628.600, 7.29, 3.15, 4.05
** 653922.407, 4182699.840, 7.31, 3.15, 4.05
** 653922.586, 4182735.918, 7.31, 3.15, 4.05
** 653919.467, 4182756.246, 7.28, 3.15, 4.05

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LOCATION L0012118    VOLUME  653927.287 4182360.718 7.65
LOCATION L0012119    VOLUME  653927.067 4182369.415 7.64
LOCATION L0012120    VOLUME  653926.848 4182378.113 7.63
LOCATION L0012121    VOLUME  653926.628 4182386.810 7.63
LOCATION L0012122    VOLUME  653926.409 4182395.507 7.62
LOCATION L0012123    VOLUME  653926.189 4182404.204 7.61
LOCATION L0012124    VOLUME  653925.970 4182412.901 7.59
LOCATION L0012125    VOLUME  653925.846 4182421.600 7.58
LOCATION L0012126    VOLUME  653925.828 4182430.300 7.57
LOCATION L0012127    VOLUME  653925.809 4182439.000 7.56
LOCATION L0012128    VOLUME  653925.791 4182447.700 7.55
LOCATION L0012129    VOLUME  653925.773 4182456.400 7.53
LOCATION L0012130    VOLUME  653925.755 4182465.100 7.52
LOCATION L0012131    VOLUME  653925.737 4182473.800 7.51
LOCATION L0012132    VOLUME  653925.718 4182482.500 7.50
LOCATION L0012133    VOLUME  653925.574 4182491.198 7.49
LOCATION L0012134    VOLUME  653925.386 4182499.896 7.48
LOCATION L0012135    VOLUME  653925.199 4182508.594 7.46
LOCATION L0012136    VOLUME  653925.012 4182517.292 7.45
LOCATION L0012137    VOLUME  653924.825 4182525.990 7.44
LOCATION L0012138    VOLUME  653924.642 4182534.688 7.42
LOCATION L0012139    VOLUME  653924.534 4182543.388 7.41
LOCATION L0012140    VOLUME  653924.425 4182552.087 7.40
LOCATION L0012141    VOLUME  653924.317 4182560.786 7.39
LOCATION L0012142    VOLUME  653924.209 4182569.486 7.38
LOCATION L0012143    VOLUME  653924.101 4182578.185 7.37
LOCATION L0012144    VOLUME  653923.993 4182586.884 7.36
LOCATION L0012145    VOLUME  653923.885 4182595.584 7.35
LOCATION L0012146    VOLUME  653923.776 4182604.283 7.34
LOCATION L0012147    VOLUME  653923.668 4182612.982 7.34
LOCATION L0012148    VOLUME  653923.560 4182621.682 7.33
LOCATION L0012149    VOLUME  653923.447 4182630.381 7.32
LOCATION L0012150    VOLUME  653923.317 4182639.080 7.32
LOCATION L0012151    VOLUME  653923.187 4182647.779 7.31
LOCATION L0012152    VOLUME  653923.056 4182656.478 7.31
LOCATION L0012153    VOLUME  653922.926 4182665.177 7.31
LOCATION L0012154    VOLUME  653922.796 4182673.876 7.30
LOCATION L0012155    VOLUME  653922.665 4182682.575 7.31

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LOCATION L0012156	VOLUME	653922.535	4182691.274	7.31
LOCATION L0012157	VOLUME	653922.407	4182699.973	7.31
LOCATION L0012158	VOLUME	653922.451	4182708.673	7.31
LOCATION L0012159	VOLUME	653922.494	4182717.373	7.30
LOCATION L0012160	VOLUME	653922.537	4182726.073	7.30
LOCATION L0012161	VOLUME	653922.581	4182734.773	7.30
LOCATION L0012162	VOLUME	653921.440	4182743.385	7.29
LOCATION L0012163	VOLUME	653920.121	4182751.985	7.29

** End of LINE VOLUME Source ID = SLINE6

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC On-Site Truck Circulation_Grocery Store

** PREFIX

** Length of Side = 8.71

** Configuration = Adjacent

** Emission Rate = 1.45E-07

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 14

** 653549.495, 4183017.514, 7.36, 3.15, 4.05
 ** 653564.389, 4183038.028, 7.43, 3.15, 4.05
 ** 653584.341, 4183069.783, 7.51, 3.15, 4.05
 ** 653595.301, 4183090.860, 7.60, 3.15, 4.05
 ** 653605.698, 4183099.571, 7.63, 3.15, 4.05
 ** 653620.873, 4183100.695, 7.67, 3.15, 4.05
 ** 653645.884, 4183092.546, 7.70, 3.15, 4.05
 ** 653682.136, 4183071.188, 7.66, 3.15, 4.05
 ** 653708.270, 4183056.013, 7.68, 3.15, 4.05
 ** 653706.584, 4183044.491, 7.61, 3.15, 4.05
 ** 653696.468, 4183027.349, 7.55, 3.15, 4.05
 ** 653659.373, 4182961.029, 7.27, 3.15, 4.05
 ** 653634.924, 4182943.324, 7.16, 3.15, 4.05
 ** 653618.625, 4182930.679, 7.07, 3.15, 4.05

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LOCATION L0012164	VOLUME	653552.053	4183021.038	7.38
LOCATION L0012165	VOLUME	653557.170	4183028.086	7.40
LOCATION L0012166	VOLUME	653562.288	4183035.134	7.42
LOCATION L0012167	VOLUME	653567.120	4183042.375	7.44
LOCATION L0012168	VOLUME	653571.754	4183049.750	7.46
LOCATION L0012169	VOLUME	653576.388	4183057.125	7.48
LOCATION L0012170	VOLUME	653581.022	4183064.500	7.50
LOCATION L0012171	VOLUME	653585.481	4183071.975	7.52
LOCATION L0012172	VOLUME	653589.499	4183079.703	7.55
LOCATION L0012173	VOLUME	653593.518	4183087.431	7.57
LOCATION L0012174	VOLUME	653599.015	4183093.971	7.60
LOCATION L0012175	VOLUME	653605.691	4183099.565	7.63
LOCATION L0012176	VOLUME	653614.375	4183100.214	7.65
LOCATION L0012177	VOLUME	653622.959	4183100.016	7.66
LOCATION L0012178	VOLUME	653631.241	4183097.317	7.67

LOCATION	VOLUME				
L0012179	653639.522	4183094.619	7.68		
L0012180	653647.623	4183091.521	7.68		
L0012181	653655.128	4183087.100	7.68		
L0012182	653662.632	4183082.679	7.68		
L0012183	653670.137	4183078.257	7.67		
L0012184	653677.641	4183073.836	7.67		
L0012185	653685.157	4183069.434	7.67		
L0012186	653692.689	4183065.060	7.67		
L0012187	653700.222	4183060.687	7.67		
L0012188	653707.754	4183056.313	7.67		
L0012189	653707.096	4183047.986	7.64		
L0012190	653703.953	4183040.032	7.62		
L0012191	653699.526	4183032.531	7.58		
L0012192	653695.153	4183024.999	7.55		
L0012193	653690.901	4183017.397	7.52		
L0012194	653686.649	4183009.795	7.49		
L0012195	653682.397	4183002.193	7.45		
L0012196	653678.146	4182994.592	7.42		
L0012197	653673.894	4182986.990	7.39		
L0012198	653669.642	4182979.388	7.35		
L0012199	653665.390	4182971.787	7.32		
L0012200	653661.138	4182964.185	7.28		
L0012201	653655.247	4182958.041	7.25		
L0012202	653648.193	4182952.933	7.22		
L0012203	653641.138	4182947.824	7.19		
L0012204	653634.104	4182942.688	7.15		
L0012205	653627.223	4182937.349	7.12		
L0012206	653620.341	4182932.010	7.10		

** End of LINE VOLUME Source ID = SLINE7

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** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC On-Site Truck Circulation_Gas Station

** PREFIX

** Length of Side = 8.71

** Configuration = Adjacent

** Emission Rate = 4.04E-06

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 18

** 653713.686, 4182824.816, 6.95, 3.15, 4.05

** 653720.591, 4182835.519, 6.97, 3.15, 4.05

** 653727.592, 4182847.579, 7.04, 3.15, 4.05

** 653734.984, 4182860.029, 7.05, 3.15, 4.05

** 653743.932, 4182870.533, 7.12, 3.15, 4.05

** 653751.324, 4182879.092, 7.16, 3.15, 4.05

** 653756.770, 4182883.372, 7.17, 3.15, 4.05

** 653761.828, 4182884.539, 7.18, 3.15, 4.05

** 653769.998, 4182882.204, 7.21, 3.15, 4.05

** 653775.445, 4182876.369, 7.20, 3.15, 4.05

** 653778.946, 4182867.810, 7.16, 3.15, 4.05
 ** 653778.946, 4182853.026, 7.14, 3.15, 4.05
 ** 653779.335, 4182836.297, 7.05, 3.15, 4.05
 ** 653781.280, 4182825.793, 7.06, 3.15, 4.05
 ** 653784.004, 4182815.289, 7.01, 3.15, 4.05
 ** 653783.615, 4182807.119, 6.98, 3.15, 4.05
 ** 653780.891, 4182797.004, 6.96, 3.15, 4.05
 ** 653777.036, 4182785.015, 6.94, 3.15, 4.05

LOCATION	VOLUME	Source ID	Volume	Source ID	Volume
L0012207	653716.047	4182828.476	6.97		
L0012208	653720.756	4182835.803	6.99		
L0012209	653725.129	4182843.336	7.01		
L0012210	653729.534	4182850.849	7.04		
L0012211	653733.980	4182858.339	7.06		
L0012212	653739.357	4182865.163	7.09		
L0012213	653745.014	4182871.786	7.12		
L0012214	653750.707	4182878.378	7.15		
L0012215	653757.589	4182883.560	7.17		
L0012216	653766.020	4182883.341	7.19		
L0012217	653773.118	4182878.862	7.20		
L0012218	653777.451	4182871.463	7.18		
L0012219	653778.946	4182863.047	7.16		
L0012220	653778.946	4182854.337	7.14		
L0012221	653779.118	4182845.629	7.11		
L0012222	653779.320	4182836.922	7.09		
L0012223	653780.807	4182828.347	7.07		
L0012224	653782.814	4182819.876	7.04		
L0012225	653783.815	4182811.322	7.02		
L0012226	653782.444	4182802.772	6.98		
L0012227	653780.054	4182794.399	6.95		
L0012228	653777.387	4182786.107	6.92		

** End of LINE VOLUME Source ID = SLINE8
 ** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9
 ** DESCRSRC SR 120 WB_Mainline to Off-Ramp
 ** PREFIX
 ** Length of Side = 8.71
 ** Configuration = Adjacent
 ** Emission Rate = 0.000119
 ** Vertical Dimension = 6.29
 ** SZINIT = 2.93
 ** Nodes = 8
 ** 654301.898, 4183242.952, 8.36, 3.15, 4.05
 ** 654355.103, 4183237.302, 8.36, 3.15, 4.05
 ** 654474.225, 4183235.419, 8.39, 3.15, 4.05
 ** 654622.539, 4183235.890, 8.40, 3.15, 4.05
 ** 654951.065, 4183244.210, 8.51, 3.15, 4.05
 ** 655112.321, 4183246.251, 8.58, 3.15, 4.05
 ** 655450.583, 4183254.671, 8.84, 3.15, 4.05

** 656042.038, 4183270.999, 10.34, 3.15, 4.05

**

LOCATION	L0012229	VOLUME	654306.228	4183242.492	8.36
LOCATION	L0012230	VOLUME	654314.890	4183241.572	8.36
LOCATION	L0012231	VOLUME	654323.551	4183240.653	8.36
LOCATION	L0012232	VOLUME	654332.212	4183239.733	8.36
LOCATION	L0012233	VOLUME	654340.874	4183238.813	8.36
LOCATION	L0012234	VOLUME	654349.535	4183237.893	8.36
LOCATION	L0012235	VOLUME	654358.213	4183237.253	8.36
LOCATION	L0012236	VOLUME	654366.922	4183237.115	8.36
LOCATION	L0012237	VOLUME	654375.631	4183236.978	8.36
LOCATION	L0012238	VOLUME	654384.340	4183236.840	8.37
LOCATION	L0012239	VOLUME	654393.049	4183236.702	8.37
LOCATION	L0012240	VOLUME	654401.758	4183236.564	8.37
LOCATION	L0012241	VOLUME	654410.467	4183236.427	8.37
LOCATION	L0012242	VOLUME	654419.176	4183236.289	8.37
LOCATION	L0012243	VOLUME	654427.884	4183236.151	8.38
LOCATION	L0012244	VOLUME	654436.593	4183236.014	8.38
LOCATION	L0012245	VOLUME	654445.302	4183235.876	8.38
LOCATION	L0012246	VOLUME	654454.011	4183235.738	8.38
LOCATION	L0012247	VOLUME	654462.720	4183235.601	8.39
LOCATION	L0012248	VOLUME	654471.429	4183235.463	8.39
LOCATION	L0012249	VOLUME	654480.139	4183235.437	8.39
LOCATION	L0012250	VOLUME	654488.849	4183235.465	8.39
LOCATION	L0012251	VOLUME	654497.559	4183235.493	8.39
LOCATION	L0012252	VOLUME	654506.269	4183235.520	8.39
LOCATION	L0012253	VOLUME	654514.978	4183235.548	8.39
LOCATION	L0012254	VOLUME	654523.688	4183235.576	8.40
LOCATION	L0012255	VOLUME	654532.398	4183235.603	8.40
LOCATION	L0012256	VOLUME	654541.108	4183235.631	8.40
LOCATION	L0012257	VOLUME	654549.818	4183235.659	8.40
LOCATION	L0012258	VOLUME	654558.528	4183235.686	8.40
LOCATION	L0012259	VOLUME	654567.238	4183235.714	8.40
LOCATION	L0012260	VOLUME	654575.948	4183235.742	8.40
LOCATION	L0012261	VOLUME	654584.658	4183235.769	8.40
LOCATION	L0012262	VOLUME	654593.368	4183235.797	8.40
LOCATION	L0012263	VOLUME	654602.078	4183235.825	8.40
LOCATION	L0012264	VOLUME	654610.788	4183235.852	8.40
LOCATION	L0012265	VOLUME	654619.498	4183235.880	8.41
LOCATION	L0012266	VOLUME	654628.206	4183236.033	8.41
LOCATION	L0012267	VOLUME	654636.913	4183236.254	8.41
LOCATION	L0012268	VOLUME	654645.621	4183236.474	8.41
LOCATION	L0012269	VOLUME	654654.328	4183236.695	8.41
LOCATION	L0012270	VOLUME	654663.035	4183236.915	8.42
LOCATION	L0012271	VOLUME	654671.742	4183237.136	8.42
LOCATION	L0012272	VOLUME	654680.449	4183237.356	8.43
LOCATION	L0012273	VOLUME	654689.157	4183237.577	8.43
LOCATION	L0012274	VOLUME	654697.864	4183237.797	8.43
LOCATION	L0012275	VOLUME	654706.571	4183238.018	8.43
LOCATION	L0012276	VOLUME	654715.278	4183238.238	8.44

LOCATION	L0012277	VOLUME	654723.985	4183238.459	8.44
LOCATION	L0012278	VOLUME	654732.693	4183238.679	8.44
LOCATION	L0012279	VOLUME	654741.400	4183238.900	8.45
LOCATION	L0012280	VOLUME	654750.107	4183239.120	8.45
LOCATION	L0012281	VOLUME	654758.814	4183239.341	8.46
LOCATION	L0012282	VOLUME	654767.521	4183239.561	8.47
LOCATION	L0012283	VOLUME	654776.229	4183239.782	8.47
LOCATION	L0012284	VOLUME	654784.936	4183240.002	8.48
LOCATION	L0012285	VOLUME	654793.643	4183240.223	8.48
LOCATION	L0012286	VOLUME	654802.350	4183240.443	8.48
LOCATION	L0012287	VOLUME	654811.058	4183240.664	8.48
LOCATION	L0012288	VOLUME	654819.765	4183240.884	8.48
LOCATION	L0012289	VOLUME	654828.472	4183241.105	8.48
LOCATION	L0012290	VOLUME	654837.179	4183241.325	8.48
LOCATION	L0012291	VOLUME	654845.886	4183241.546	8.47
LOCATION	L0012292	VOLUME	654854.594	4183241.766	8.47
LOCATION	L0012293	VOLUME	654863.301	4183241.987	8.47
LOCATION	L0012294	VOLUME	654872.008	4183242.208	8.47
LOCATION	L0012295	VOLUME	654880.715	4183242.428	8.48
LOCATION	L0012296	VOLUME	654889.422	4183242.649	8.48
LOCATION	L0012297	VOLUME	654898.130	4183242.869	8.48
LOCATION	L0012298	VOLUME	654906.837	4183243.090	8.49
LOCATION	L0012299	VOLUME	654915.544	4183243.310	8.49
LOCATION	L0012300	VOLUME	654924.251	4183243.531	8.50
LOCATION	L0012301	VOLUME	654932.958	4183243.751	8.50
LOCATION	L0012302	VOLUME	654941.666	4183243.972	8.51
LOCATION	L0012303	VOLUME	654950.373	4183244.192	8.52
LOCATION	L0012304	VOLUME	654959.082	4183244.311	8.53
LOCATION	L0012305	VOLUME	654967.791	4183244.421	8.53
LOCATION	L0012306	VOLUME	654976.501	4183244.532	8.54
LOCATION	L0012307	VOLUME	654985.210	4183244.642	8.55
LOCATION	L0012308	VOLUME	654993.919	4183244.752	8.56
LOCATION	L0012309	VOLUME	655002.628	4183244.862	8.57
LOCATION	L0012310	VOLUME	655011.338	4183244.973	8.57
LOCATION	L0012311	VOLUME	655020.047	4183245.083	8.58
LOCATION	L0012312	VOLUME	655028.756	4183245.193	8.58
LOCATION	L0012313	VOLUME	655037.466	4183245.303	8.58
LOCATION	L0012314	VOLUME	655046.175	4183245.414	8.58
LOCATION	L0012315	VOLUME	655054.884	4183245.524	8.58
LOCATION	L0012316	VOLUME	655063.594	4183245.634	8.58
LOCATION	L0012317	VOLUME	655072.303	4183245.744	8.58
LOCATION	L0012318	VOLUME	655081.012	4183245.855	8.59
LOCATION	L0012319	VOLUME	655089.722	4183245.965	8.59
LOCATION	L0012320	VOLUME	655098.431	4183246.075	8.59
LOCATION	L0012321	VOLUME	655107.140	4183246.185	8.59
LOCATION	L0012322	VOLUME	655115.849	4183246.339	8.58
LOCATION	L0012323	VOLUME	655124.556	4183246.555	8.59
LOCATION	L0012324	VOLUME	655133.263	4183246.772	8.59
LOCATION	L0012325	VOLUME	655141.971	4183246.989	8.60
LOCATION	L0012326	VOLUME	655150.678	4183247.206	8.61

LOCATION	L0012327	VOLUME	655159.385	4183247.422	8.62
LOCATION	L0012328	VOLUME	655168.092	4183247.639	8.62
LOCATION	L0012329	VOLUME	655176.800	4183247.856	8.64
LOCATION	L0012330	VOLUME	655185.507	4183248.073	8.65
LOCATION	L0012331	VOLUME	655194.214	4183248.289	8.66
LOCATION	L0012332	VOLUME	655202.922	4183248.506	8.66
LOCATION	L0012333	VOLUME	655211.629	4183248.723	8.67
LOCATION	L0012334	VOLUME	655220.336	4183248.940	8.67
LOCATION	L0012335	VOLUME	655229.044	4183249.156	8.67
LOCATION	L0012336	VOLUME	655237.751	4183249.373	8.68
LOCATION	L0012337	VOLUME	655246.458	4183249.590	8.69
LOCATION	L0012338	VOLUME	655255.165	4183249.807	8.70
LOCATION	L0012339	VOLUME	655263.873	4183250.023	8.72
LOCATION	L0012340	VOLUME	655272.580	4183250.240	8.73
LOCATION	L0012341	VOLUME	655281.287	4183250.457	8.74
LOCATION	L0012342	VOLUME	655289.995	4183250.674	8.75
LOCATION	L0012343	VOLUME	655298.702	4183250.890	8.76
LOCATION	L0012344	VOLUME	655307.409	4183251.107	8.77
LOCATION	L0012345	VOLUME	655316.117	4183251.324	8.77
LOCATION	L0012346	VOLUME	655324.824	4183251.541	8.78
LOCATION	L0012347	VOLUME	655333.531	4183251.757	8.79
LOCATION	L0012348	VOLUME	655342.238	4183251.974	8.79
LOCATION	L0012349	VOLUME	655350.946	4183252.191	8.79
LOCATION	L0012350	VOLUME	655359.653	4183252.408	8.79
LOCATION	L0012351	VOLUME	655368.360	4183252.624	8.80
LOCATION	L0012352	VOLUME	655377.068	4183252.841	8.81
LOCATION	L0012353	VOLUME	655385.775	4183253.058	8.82
LOCATION	L0012354	VOLUME	655394.482	4183253.274	8.83
LOCATION	L0012355	VOLUME	655403.190	4183253.491	8.84
LOCATION	L0012356	VOLUME	655411.897	4183253.708	8.84
LOCATION	L0012357	VOLUME	655420.604	4183253.925	8.84
LOCATION	L0012358	VOLUME	655429.312	4183254.141	8.84
LOCATION	L0012359	VOLUME	655438.019	4183254.358	8.84
LOCATION	L0012360	VOLUME	655446.726	4183254.575	8.84
LOCATION	L0012361	VOLUME	655455.433	4183254.805	8.84
LOCATION	L0012362	VOLUME	655464.140	4183255.045	8.84
LOCATION	L0012363	VOLUME	655472.846	4183255.286	8.84
LOCATION	L0012364	VOLUME	655481.553	4183255.526	8.84
LOCATION	L0012365	VOLUME	655490.260	4183255.766	8.83
LOCATION	L0012366	VOLUME	655498.966	4183256.007	8.83
LOCATION	L0012367	VOLUME	655507.673	4183256.247	8.83
LOCATION	L0012368	VOLUME	655516.380	4183256.487	8.86
LOCATION	L0012369	VOLUME	655525.087	4183256.728	8.90
LOCATION	L0012370	VOLUME	655533.793	4183256.968	8.93
LOCATION	L0012371	VOLUME	655542.500	4183257.208	9.00
LOCATION	L0012372	VOLUME	655551.207	4183257.449	9.07
LOCATION	L0012373	VOLUME	655559.913	4183257.689	9.13
LOCATION	L0012374	VOLUME	655568.620	4183257.929	9.16
LOCATION	L0012375	VOLUME	655577.327	4183258.170	9.20
LOCATION	L0012376	VOLUME	655586.033	4183258.410	9.23

LOCATION	L0012377	VOLUME	655594.740	4183258.651	9.26
LOCATION	L0012378	VOLUME	655603.447	4183258.891	9.29
LOCATION	L0012379	VOLUME	655612.153	4183259.131	9.31
LOCATION	L0012380	VOLUME	655620.860	4183259.372	9.33
LOCATION	L0012381	VOLUME	655629.567	4183259.612	9.35
LOCATION	L0012382	VOLUME	655638.273	4183259.852	9.37
LOCATION	L0012383	VOLUME	655646.980	4183260.093	9.39
LOCATION	L0012384	VOLUME	655655.687	4183260.333	9.41
LOCATION	L0012385	VOLUME	655664.393	4183260.573	9.44
LOCATION	L0012386	VOLUME	655673.100	4183260.814	9.46
LOCATION	L0012387	VOLUME	655681.807	4183261.054	9.48
LOCATION	L0012388	VOLUME	655690.514	4183261.294	9.51
LOCATION	L0012389	VOLUME	655699.220	4183261.535	9.54
LOCATION	L0012390	VOLUME	655707.927	4183261.775	9.56
LOCATION	L0012391	VOLUME	655716.634	4183262.016	9.59
LOCATION	L0012392	VOLUME	655725.340	4183262.256	9.61
LOCATION	L0012393	VOLUME	655734.047	4183262.496	9.63
LOCATION	L0012394	VOLUME	655742.754	4183262.737	9.66
LOCATION	L0012395	VOLUME	655751.460	4183262.977	9.68
LOCATION	L0012396	VOLUME	655760.167	4183263.217	9.71
LOCATION	L0012397	VOLUME	655768.874	4183263.458	9.73
LOCATION	L0012398	VOLUME	655777.580	4183263.698	9.76
LOCATION	L0012399	VOLUME	655786.287	4183263.938	9.78
LOCATION	L0012400	VOLUME	655794.994	4183264.179	9.81
LOCATION	L0012401	VOLUME	655803.700	4183264.419	9.83
LOCATION	L0012402	VOLUME	655812.407	4183264.659	9.85
LOCATION	L0012403	VOLUME	655821.114	4183264.900	9.88
LOCATION	L0012404	VOLUME	655829.820	4183265.140	9.90
LOCATION	L0012405	VOLUME	655838.527	4183265.381	9.92
LOCATION	L0012406	VOLUME	655847.234	4183265.621	9.95
LOCATION	L0012407	VOLUME	655855.940	4183265.861	9.97
LOCATION	L0012408	VOLUME	655864.647	4183266.102	9.99
LOCATION	L0012409	VOLUME	655873.354	4183266.342	10.01
LOCATION	L0012410	VOLUME	655882.061	4183266.582	10.03
LOCATION	L0012411	VOLUME	655890.767	4183266.823	10.05
LOCATION	L0012412	VOLUME	655899.474	4183267.063	10.07
LOCATION	L0012413	VOLUME	655908.181	4183267.303	10.08
LOCATION	L0012414	VOLUME	655916.887	4183267.544	10.10
LOCATION	L0012415	VOLUME	655925.594	4183267.784	10.12
LOCATION	L0012416	VOLUME	655934.301	4183268.024	10.14
LOCATION	L0012417	VOLUME	655943.007	4183268.265	10.16
LOCATION	L0012418	VOLUME	655951.714	4183268.505	10.17
LOCATION	L0012419	VOLUME	655960.421	4183268.746	10.19
LOCATION	L0012420	VOLUME	655969.127	4183268.986	10.21
LOCATION	L0012421	VOLUME	655977.834	4183269.226	10.23
LOCATION	L0012422	VOLUME	655986.541	4183269.467	10.24
LOCATION	L0012423	VOLUME	655995.247	4183269.707	10.26
LOCATION	L0012424	VOLUME	656003.954	4183269.947	10.28
LOCATION	L0012425	VOLUME	656012.661	4183270.188	10.29
LOCATION	L0012426	VOLUME	656021.367	4183270.428	10.30

LOCATION L0012427 VOLUME 656030.074 4183270.668 10.32
LOCATION L0012428 VOLUME 656038.781 4183270.909 10.34

** End of LINE VOLUME Source ID = SLINE9

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC I-10 WB_Off-Ramp

** PREFIX

** Length of Side = 8.71

** Configuration = Adjacent

** Emission Rate = 0.0000138

** Vertical Dimension = 6.29

** SZINIT = 2.93

** Nodes = 11

** 654301.760, 4183242.835, 8.36, 3.15, 4.05

** 654285.076, 4183244.437, 8.36, 3.15, 4.05

** 654252.243, 4183250.576, 8.37, 3.15, 4.05

** 654215.005, 4183262.856, 8.37, 3.15, 4.05

** 654194.183, 4183272.065, 8.37, 3.15, 4.05

** 654125.640, 4183308.934, 8.39, 3.15, 4.05

** 654096.675, 4183326.654, 8.40, 3.15, 4.05

** 653952.343, 4183408.340, 8.34, 3.15, 4.05

** 653924.388, 4183423.259, 8.30, 3.15, 4.05

** 653918.577, 4183424.673, 8.30, 3.15, 4.05

** 653911.038, 4183424.987, 8.30, 3.15, 4.05

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LOCATION L0012429 VOLUME 654297.425 4183243.251 8.36

LOCATION L0012430 VOLUME 654288.755 4183244.084 8.36

LOCATION L0012431 VOLUME 654280.147 4183245.358 8.36

LOCATION L0012432 VOLUME 654271.585 4183246.959 8.36

LOCATION L0012433 VOLUME 654263.024 4183248.560 8.36

LOCATION L0012434 VOLUME 654254.462 4183250.161 8.37

LOCATION L0012435 VOLUME 654246.115 4183252.597 8.37

LOCATION L0012436 VOLUME 654237.843 4183255.325 8.37

LOCATION L0012437 VOLUME 654229.571 4183258.052 8.37

LOCATION L0012438 VOLUME 654221.299 4183260.780 8.37

LOCATION L0012439 VOLUME 654213.101 4183263.698 8.37

LOCATION L0012440 VOLUME 654205.135 4183267.221 8.37

LOCATION L0012441 VOLUME 654197.170 4183270.744 8.37

LOCATION L0012442 VOLUME 654189.388 4183274.644 8.37

LOCATION L0012443 VOLUME 654181.718 4183278.770 8.37

LOCATION L0012444 VOLUME 654174.047 4183282.896 8.37

LOCATION L0012445 VOLUME 654166.376 4183287.022 8.38

LOCATION L0012446 VOLUME 654158.705 4183291.148 8.38

LOCATION L0012447 VOLUME 654151.035 4183295.274 8.39

LOCATION L0012448 VOLUME 654143.364 4183299.400 8.39

LOCATION L0012449 VOLUME 654135.693 4183303.526 8.39

LOCATION L0012450 VOLUME 654128.022 4183307.652 8.40

LOCATION L0012451 VOLUME 654120.518 4183312.067 8.40

LOCATION L0012452 VOLUME 654113.088 4183316.613 8.40

LOCATION	L0012453	VOLUME	654105.658	4183321.158	8.40
LOCATION	L0012454	VOLUME	654098.228	4183325.704	8.40
LOCATION	L0012455	VOLUME	654090.679	4183330.047	8.40
LOCATION	L0012456	VOLUME	654083.099	4183334.337	8.40
LOCATION	L0012457	VOLUME	654075.519	4183338.627	8.41
LOCATION	L0012458	VOLUME	654067.939	4183342.918	8.41
LOCATION	L0012459	VOLUME	654060.359	4183347.208	8.41
LOCATION	L0012460	VOLUME	654052.778	4183351.498	8.41
LOCATION	L0012461	VOLUME	654045.198	4183355.788	8.40
LOCATION	L0012462	VOLUME	654037.618	4183360.078	8.39
LOCATION	L0012463	VOLUME	654030.038	4183364.368	8.40
LOCATION	L0012464	VOLUME	654022.458	4183368.658	8.40
LOCATION	L0012465	VOLUME	654014.877	4183372.948	8.39
LOCATION	L0012466	VOLUME	654007.297	4183377.238	8.39
LOCATION	L0012467	VOLUME	653999.717	4183381.528	8.38
LOCATION	L0012468	VOLUME	653992.137	4183385.818	8.37
LOCATION	L0012469	VOLUME	653984.556	4183390.108	8.37
LOCATION	L0012470	VOLUME	653976.976	4183394.398	8.36
LOCATION	L0012471	VOLUME	653969.396	4183398.688	8.36
LOCATION	L0012472	VOLUME	653961.816	4183402.978	8.35
LOCATION	L0012473	VOLUME	653954.236	4183407.268	8.34
LOCATION	L0012474	VOLUME	653946.577	4183411.417	8.33
LOCATION	L0012475	VOLUME	653938.893	4183415.518	8.32
LOCATION	L0012476	VOLUME	653931.209	4183419.619	8.32
LOCATION	L0012477	VOLUME	653923.438	4183423.490	8.31
LOCATION	L0012478	VOLUME	653914.873	4183424.827	8.30
**	End of LINE VOLUME Source ID = SLINE10				
LOCATION	STCK1	POINT	653597.000	4183060.590	7.510
**	DESCRSRC Grocery Store Truck Idling - 1				
LOCATION	STCK2	POINT	653603.170	4183057.740	7.510
**	DESCRSRC Grocery Store Truck Idling - 2				
LOCATION	STCK3	POINT	653785.420	4182840.770	7.110
**	DESCRSRC Gas Station Truck Idling - 1				
LOCATION	STCK4	POINT	653791.720	4182841.400	7.120
**	DESCRSRC Gas Station Truck Idling - 2				
LOCATION	STCK5	POINT	653798.010	4182842.030	7.130
**	DESCRSRC Gas Station Truck Idling - 3				
LOCATION	STCK6	POINT	653803.460	4182841.610	7.140
**	DESCRSRC Gas Station Truck Idling - 4				
**	Source Parameters **				
**	LINE VOLUME Source ID = SLINE1				
SRCPARAM	L0011332	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011333	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011334	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011335	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011336	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011337	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011338	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011339	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011340	0.0000002979	3.15	4.05	2.93

SRCPARAM	L0011541	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011542	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011543	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011544	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011545	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011546	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011547	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011548	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011549	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011550	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011551	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011552	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011553	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011554	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011555	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011556	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011557	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011558	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011559	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011560	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011561	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011562	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011563	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011564	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011565	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011566	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011567	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011568	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011569	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011570	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011571	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011572	0.0000002979	3.15	4.05	2.93
SRCPARAM	L0011573	0.0000002979	3.15	4.05	2.93

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 ** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0011574	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011575	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011576	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011577	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011578	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011579	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011580	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011581	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011582	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011583	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011584	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011585	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011586	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011587	0.0000001378	3.15	4.05	2.93
SRCPARAM	L0011588	0.0000001378	3.15	4.05	2.93

SRCPARAM L0011589	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011590	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011591	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011592	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011593	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011594	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011595	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011596	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011597	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011598	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011599	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011600	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011601	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011602	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011603	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011604	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011605	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011606	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011607	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011608	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011609	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011610	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011611	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011612	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011613	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011614	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011615	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011616	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011617	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011618	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011619	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011620	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011621	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011622	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011623	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011624	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011625	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011626	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011627	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011628	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011629	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011630	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011631	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011632	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011633	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011634	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011635	0.0000001378	3.15	4.05	2.93
SRCPARAM L0011636	0.0000001378	3.15	4.05	2.93

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** LINE VOLUME Source ID = SLINE3

SRCPARAM	L0011837	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011838	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011839	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011840	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011841	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011842	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011843	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011844	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011845	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011846	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011847	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011848	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011849	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011850	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011851	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011852	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011853	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011854	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011855	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011856	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011857	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011858	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011859	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011860	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011861	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011862	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011863	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011864	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0011865	0.0000001576	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE4

SRCPARAM	L0011866	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011867	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011868	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011869	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011870	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011871	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011872	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011873	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011874	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011875	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011876	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011877	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011878	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011879	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011880	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011881	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011882	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011883	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011884	0.0000009704	3.15	4.05	2.93

SRCPARAM	L0011885	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011886	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011887	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011888	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011889	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011890	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011891	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011892	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011893	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011894	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011895	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011896	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011897	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011898	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011899	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011900	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011901	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011902	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011903	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011904	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011905	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011906	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011907	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011908	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011909	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011910	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011911	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011912	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011913	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011914	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011915	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011916	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011917	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011918	0.0000009704	3.15	4.05	2.93
SRCPARAM	L0011919	0.0000009704	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE5

SRCPARAM	L0011920	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011921	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011922	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011923	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011924	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011925	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011926	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011927	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011928	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011929	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011930	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011931	0.000000298	3.15	4.05	2.93
SRCPARAM	L0011932	0.000000298	3.15	4.05	2.93

SRCPARAM	L0012083	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012084	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012085	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012086	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012087	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012088	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012089	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012090	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012091	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012092	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012093	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012094	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012095	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012096	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012097	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012098	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012099	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012100	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012101	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012102	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012103	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012104	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012105	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012106	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012107	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012108	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012109	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012110	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012111	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012112	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012113	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012114	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012115	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012116	0.000000298	3.15	4.05	2.93
SRCPARAM	L0012117	0.000000298	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE6

SRCPARAM	L0012118	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012119	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012120	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012121	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012122	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012123	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012124	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012125	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012126	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012127	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012128	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012129	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012130	0.0000001576	3.15	4.05	2.93

SRCPARAM	L0012131	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012132	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012133	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012134	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012135	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012136	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012137	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012138	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012139	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012140	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012141	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012142	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012143	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012144	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012145	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012146	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012147	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012148	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012149	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012150	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012151	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012152	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012153	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012154	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012155	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012156	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012157	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012158	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012159	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012160	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012161	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012162	0.0000001576	3.15	4.05	2.93
SRCPARAM	L0012163	0.0000001576	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE7

SRCPARAM	L0012164	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012165	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012166	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012167	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012168	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012169	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012170	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012171	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012172	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012173	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012174	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012175	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012176	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012177	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012178	0.000000003372	3.15	4.05	2.93

SRCPARAM	L0012179	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012180	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012181	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012182	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012183	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012184	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012185	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012186	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012187	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012188	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012189	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012190	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012191	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012192	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012193	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012194	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012195	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012196	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012197	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012198	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012199	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012200	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012201	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012202	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012203	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012204	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012205	0.000000003372	3.15	4.05	2.93
SRCPARAM	L0012206	0.000000003372	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE8

SRCPARAM	L0012207	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012208	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012209	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012210	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012211	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012212	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012213	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012214	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012215	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012216	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012217	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012218	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012219	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012220	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012221	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012222	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012223	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012224	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012225	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012226	0.0000001836	3.15	4.05	2.93

SRCPARAM	L0012227	0.0000001836	3.15	4.05	2.93
SRCPARAM	L0012228	0.0000001836	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE9

SRCPARAM	L0012229	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012230	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012231	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012232	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012233	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012234	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012235	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012236	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012237	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012238	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012239	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012240	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012241	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012242	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012243	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012244	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012245	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012246	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012247	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012248	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012249	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012250	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012251	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012252	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012253	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012254	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012255	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012256	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012257	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012258	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012259	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012260	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012261	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012262	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012263	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012264	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012265	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012266	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012267	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012268	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012269	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012270	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012271	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012272	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012273	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012274	0.000000595	3.15	4.05	2.93

SRCPARAM	L0012425	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012426	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012427	0.000000595	3.15	4.05	2.93
SRCPARAM	L0012428	0.000000595	3.15	4.05	2.93

**

** LINE VOLUME Source ID = SLINE10

SRCPARAM	L0012429	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012430	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012431	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012432	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012433	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012434	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012435	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012436	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012437	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012438	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012439	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012440	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012441	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012442	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012443	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012444	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012445	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012446	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012447	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012448	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012449	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012450	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012451	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012452	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012453	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012454	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012455	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012456	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012457	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012458	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012459	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012460	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012461	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012462	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012463	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012464	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012465	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012466	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012467	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012468	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012469	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012470	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012471	0.000000276	3.15	4.05	2.93
SRCPARAM	L0012472	0.000000276	3.15	4.05	2.93

SRCPARAM L0012473	0.000000276	3.15	4.05	2.93
SRCPARAM L0012474	0.000000276	3.15	4.05	2.93
SRCPARAM L0012475	0.000000276	3.15	4.05	2.93
SRCPARAM L0012476	0.000000276	3.15	4.05	2.93
SRCPARAM L0012477	0.000000276	3.15	4.05	2.93
SRCPARAM L0012478	0.000000276	3.15	4.05	2.93

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** -----
SRCPARAM STCK1      1.73E-07      0.000  366.000  49.99000  0.100
SRCPARAM STCK2      2.69E-09      3.840  366.000  49.99000  0.100
SRCPARAM STCK3      0.000108      0.000  366.000  49.99000  0.100
SRCPARAM STCK4      0.000108      0.000  366.000  49.99000  0.100
SRCPARAM STCK5      0.000108      0.000  366.000  49.99000  0.100
SRCPARAM STCK6      0.000108      0.000  366.000  49.99000  0.100
URBANSRC ALL
SRCGROUP ALL

```

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Maverik Manteca_operations.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE AERMET\2017_Stockton.SFC

PROFFILE AERMET\2017_Stockton.PFL

SURFDATA 23237 2017

UAIRDATA 23230 2017 OAKLAND/WSO_AP

PROFBASE 7.9 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST

RECTABLE 1 1ST

RECTABLE 24 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 ALL 1ST "Maverik Manteca_operations.AD\01H1GALL.PLT" 31

PLOTFILE 24 ALL 1ST "Maverik Manteca_operations.AD\24H1GALL.PLT" 32
PLOTFILE PERIOD ALL "Maverik Manteca_operations.AD\PE00GALL.PLT" 33
SUMMFILE "Maverik Manteca_operations.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 2637 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
ME W187 2637 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDFault CONC ELEV URBAN 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 URBAN Dispersion Algorithm for the SBL for 1153 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 762148.0 ; Urban Roughness Length = 1.000 m

**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.
6. Urban Roughness Length of 1.0 Meter Assumed.

**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 Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 2 Short Term Average(s) of: 1-HR 24-HR
and Calculates PERIOD Averages

**This Run Includes: 1153 Source(s); 1 Source Group(s); and 770
Receptor(s)

with: 6 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 1147 VOLUME source(s)
and: 0 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 a total of 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 Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
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) = 7.90 ; 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 = 4.1 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: Maverik Manteca_operations.err

**File for Summary of Results: Maverik Manteca_operations.sum

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

STACK	STACK	NUMBER	EMISSION RATE	BASE	STACK	STACK		
SOURCE	BLDG	URBAN	CAP/	EMIS	RATE	ELEV.	HEIGHT	TEMP.
VEL.	DIAMETER	EXISTS	SOURCE	HOR	SCALAR	(METERS)	(METERS)	(DEG.K)
ID	CATS.		(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(DEG.K)
(M/SEC)	(METERS)			(METERS)	(METERS)	(METERS)	(METERS)	(DEG.K)

STCK1	0	0.17300E-06	653597.0	4183060.6	7.5	0.00	366.00	
49.99	0.10	NO	YES	NO				
STCK2	0	0.26900E-08	653603.2	4183057.7	7.5	3.84	366.00	
49.99	0.10	NO	YES	NO				
STCK3	0	0.10800E-03	653785.4	4182840.8	7.1	0.00	366.00	
49.99	0.10	NO	YES	NO				
STCK4	0	0.10800E-03	653791.7	4182841.4	7.1	0.00	366.00	
49.99	0.10	NO	YES	NO				

STCK5	0	0.10800E-03	653798.0	4182842.0	7.1	0.00	366.00
49.99	0.10	NO	YES	NO			
STCK6	0	0.10800E-03	653803.5	4182841.6	7.1	0.00	366.00
49.99	0.10	NO	YES	NO			

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
	SCALAR	VARY			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY							
(METERS)									

L0011332	0	0.29790E-06	651378.1	4183626.1	14.3	3.15	4.05
2.93	YES						
L0011333	0	0.29790E-06	651386.4	4183623.4	14.6	3.15	4.05
2.93	YES						
L0011334	0	0.29790E-06	651394.7	4183620.8	14.9	3.15	4.05
2.93	YES						
L0011335	0	0.29790E-06	651403.0	4183618.2	15.1	3.15	4.05
2.93	YES						
L0011336	0	0.29790E-06	651411.3	4183615.6	15.4	3.15	4.05
2.93	YES						
L0011337	0	0.29790E-06	651419.6	4183612.9	15.2	3.15	4.05
2.93	YES						
L0011338	0	0.29790E-06	651428.0	4183610.3	14.8	3.15	4.05
2.93	YES						
L0011339	0	0.29790E-06	651436.3	4183607.7	14.6	3.15	4.05
2.93	YES						
L0011340	0	0.29790E-06	651444.6	4183605.0	14.4	3.15	4.05
2.93	YES						
L0011341	0	0.29790E-06	651452.9	4183602.4	14.3	3.15	4.05
2.93	YES						
L0011342	0	0.29790E-06	651461.2	4183599.8	14.3	3.15	4.05
2.93	YES						
L0011343	0	0.29790E-06	651469.5	4183597.2	14.4	3.15	4.05
2.93	YES						
L0011344	0	0.29790E-06	651477.8	4183594.5	14.6	3.15	4.05
2.93	YES						

L0011345	0	0.29790E-06	651486.1	4183591.9	14.9	3.15	4.05
2.93	YES						
L0011346	0	0.29790E-06	651494.4	4183589.3	15.0	3.15	4.05
2.93	YES						
L0011347	0	0.29790E-06	651502.7	4183586.7	15.0	3.15	4.05
2.93	YES						
L0011348	0	0.29790E-06	651511.0	4183584.1	14.6	3.15	4.05
2.93	YES						
L0011349	0	0.29790E-06	651519.3	4183581.5	13.6	3.15	4.05
2.93	YES						
L0011350	0	0.29790E-06	651527.6	4183578.9	12.5	3.15	4.05
2.93	YES						
L0011351	0	0.29790E-06	651536.0	4183576.3	11.4	3.15	4.05
2.93	YES						
L0011352	0	0.29790E-06	651544.3	4183573.7	10.6	3.15	4.05
2.93	YES						
L0011353	0	0.29790E-06	651552.6	4183571.1	10.2	3.15	4.05
2.93	YES						
L0011354	0	0.29790E-06	651560.9	4183568.5	10.0	3.15	4.05
2.93	YES						
L0011355	0	0.29790E-06	651569.2	4183565.9	10.4	3.15	4.05
2.93	YES						
L0011356	0	0.29790E-06	651577.5	4183563.3	11.1	3.15	4.05
2.93	YES						
L0011357	0	0.29790E-06	651585.8	4183560.7	12.2	3.15	4.05
2.93	YES						
L0011358	0	0.29790E-06	651594.1	4183558.1	13.1	3.15	4.05
2.93	YES						
L0011359	0	0.29790E-06	651602.5	4183555.5	13.7	3.15	4.05
2.93	YES						
L0011360	0	0.29790E-06	651610.8	4183552.9	13.8	3.15	4.05
2.93	YES						
L0011361	0	0.29790E-06	651619.1	4183550.3	13.7	3.15	4.05
2.93	YES						
L0011362	0	0.29790E-06	651627.4	4183547.7	13.6	3.15	4.05
2.93	YES						
L0011363	0	0.29790E-06	651635.7	4183545.1	13.6	3.15	4.05
2.93	YES						
L0011364	0	0.29790E-06	651644.0	4183542.5	13.6	3.15	4.05
2.93	YES						
L0011365	0	0.29790E-06	651652.3	4183539.9	13.7	3.15	4.05
2.93	YES						
L0011366	0	0.29790E-06	651660.6	4183537.3	13.9	3.15	4.05
2.93	YES						
L0011367	0	0.29790E-06	651669.0	4183534.7	14.1	3.15	4.05
2.93	YES						
L0011368	0	0.29790E-06	651677.3	4183532.1	14.3	3.15	4.05
2.93	YES						
L0011369	0	0.29790E-06	651685.6	4183529.5	14.7	3.15	4.05
2.93	YES						

L0011370 0 0.29790E-06 651693.9 4183526.9 14.7 3.15 4.05
 2.93 YES
 L0011371 0 0.29790E-06 651702.2 4183524.3 14.4 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0011372	0	0.29790E-06	651710.5	4183521.7	14.2	3.15	4.05
2.93	YES						
L0011373	0	0.29790E-06	651718.8	4183519.1	13.9	3.15	4.05
2.93	YES						
L0011374	0	0.29790E-06	651727.1	4183516.5	13.8	3.15	4.05
2.93	YES						
L0011375	0	0.29790E-06	651735.5	4183513.9	13.8	3.15	4.05
2.93	YES						
L0011376	0	0.29790E-06	651743.8	4183511.3	13.8	3.15	4.05
2.93	YES						
L0011377	0	0.29790E-06	651752.1	4183508.7	13.9	3.15	4.05
2.93	YES						
L0011378	0	0.29790E-06	651760.4	4183506.1	14.2	3.15	4.05
2.93	YES						
L0011379	0	0.29790E-06	651768.7	4183503.5	14.4	3.15	4.05
2.93	YES						
L0011380	0	0.29790E-06	651777.0	4183500.9	14.6	3.15	4.05
2.93	YES						
L0011381	0	0.29790E-06	651785.3	4183498.2	14.9	3.15	4.05
2.93	YES						
L0011382	0	0.29790E-06	651793.6	4183495.6	14.5	3.15	4.05
2.93	YES						
L0011383	0	0.29790E-06	651802.0	4183493.0	14.2	3.15	4.05
2.93	YES						
L0011384	0	0.29790E-06	651810.3	4183490.4	14.0	3.15	4.05
2.93	YES						

L0011385	0	0.29790E-06	651818.6	4183487.8	13.8	3.15	4.05
2.93	YES						
L0011386	0	0.29790E-06	651826.9	4183485.2	13.7	3.15	4.05
2.93	YES						
L0011387	0	0.29790E-06	651835.2	4183482.6	13.8	3.15	4.05
2.93	YES						
L0011388	0	0.29790E-06	651843.5	4183480.0	13.8	3.15	4.05
2.93	YES						
L0011389	0	0.29790E-06	651851.8	4183477.4	14.0	3.15	4.05
2.93	YES						
L0011390	0	0.29790E-06	651860.1	4183474.8	14.2	3.15	4.05
2.93	YES						
L0011391	0	0.29790E-06	651868.5	4183472.2	14.4	3.15	4.05
2.93	YES						
L0011392	0	0.29790E-06	651876.8	4183469.6	14.7	3.15	4.05
2.93	YES						
L0011393	0	0.29790E-06	651885.1	4183467.0	14.4	3.15	4.05
2.93	YES						
L0011394	0	0.29790E-06	651893.4	4183464.4	14.1	3.15	4.05
2.93	YES						
L0011395	0	0.29790E-06	651901.7	4183461.8	13.8	3.15	4.05
2.93	YES						
L0011396	0	0.29790E-06	651910.0	4183459.2	13.6	3.15	4.05
2.93	YES						
L0011397	0	0.29790E-06	651918.3	4183456.6	13.5	3.15	4.05
2.93	YES						
L0011398	0	0.29790E-06	651926.6	4183454.0	13.4	3.15	4.05
2.93	YES						
L0011399	0	0.29790E-06	651935.0	4183451.4	13.5	3.15	4.05
2.93	YES						
L0011400	0	0.29790E-06	651943.3	4183448.8	13.5	3.15	4.05
2.93	YES						
L0011401	0	0.29790E-06	651951.6	4183446.2	13.6	3.15	4.05
2.93	YES						
L0011402	0	0.29790E-06	651959.9	4183443.6	13.8	3.15	4.05
2.93	YES						
L0011403	0	0.29790E-06	651968.2	4183441.0	13.9	3.15	4.05
2.93	YES						
L0011404	0	0.29790E-06	651976.5	4183438.4	13.6	3.15	4.05
2.93	YES						
L0011405	0	0.29790E-06	651984.8	4183435.8	13.2	3.15	4.05
2.93	YES						
L0011406	0	0.29790E-06	651993.1	4183433.2	12.8	3.15	4.05
2.93	YES						
L0011407	0	0.29790E-06	652001.5	4183430.6	12.5	3.15	4.05
2.93	YES						
L0011408	0	0.29790E-06	652009.8	4183428.0	12.2	3.15	4.05
2.93	YES						
L0011409	0	0.29790E-06	652018.1	4183425.4	11.9	3.15	4.05
2.93	YES						

L0011410 0 0.29790E-06 652026.4 4183422.8 11.8 3.15 4.05
 2.93 YES
 L0011411 0 0.29790E-06 652034.7 4183420.2 11.7 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY						

L0011412	0	0.29790E-06	652043.0	4183417.6	11.6	3.15	4.05
2.93	YES						
L0011413	0	0.29790E-06	652051.3	4183415.0	11.6	3.15	4.05
2.93	YES						
L0011414	0	0.29790E-06	652059.6	4183412.4	11.6	3.15	4.05
2.93	YES						
L0011415	0	0.29790E-06	652068.0	4183409.8	11.3	3.15	4.05
2.93	YES						
L0011416	0	0.29790E-06	652076.3	4183407.2	10.8	3.15	4.05
2.93	YES						
L0011417	0	0.29790E-06	652084.6	4183404.6	10.4	3.15	4.05
2.93	YES						
L0011418	0	0.29790E-06	652092.9	4183402.0	10.0	3.15	4.05
2.93	YES						
L0011419	0	0.29790E-06	652101.2	4183399.4	9.6	3.15	4.05
2.93	YES						
L0011420	0	0.29790E-06	652109.5	4183396.8	9.3	3.15	4.05
2.93	YES						
L0011421	0	0.29790E-06	652117.8	4183394.2	9.1	3.15	4.05
2.93	YES						
L0011422	0	0.29790E-06	652126.1	4183391.6	8.9	3.15	4.05
2.93	YES						
L0011423	0	0.29790E-06	652134.5	4183389.0	8.7	3.15	4.05
2.93	YES						
L0011424	0	0.29790E-06	652142.8	4183386.4	8.6	3.15	4.05
2.93	YES						

L0011425	0	0.29790E-06	652151.1	4183383.8	8.5	3.15	4.05
2.93	YES						
L0011426	0	0.29790E-06	652159.4	4183381.2	8.2	3.15	4.05
2.93	YES						
L0011427	0	0.29790E-06	652167.7	4183378.6	7.9	3.15	4.05
2.93	YES						
L0011428	0	0.29790E-06	652176.0	4183376.1	7.6	3.15	4.05
2.93	YES						
L0011429	0	0.29790E-06	652184.4	4183373.5	7.3	3.15	4.05
2.93	YES						
L0011430	0	0.29790E-06	652192.7	4183370.9	7.1	3.15	4.05
2.93	YES						
L0011431	0	0.29790E-06	652201.0	4183368.4	6.9	3.15	4.05
2.93	YES						
L0011432	0	0.29790E-06	652209.3	4183365.8	6.8	3.15	4.05
2.93	YES						
L0011433	0	0.29790E-06	652217.7	4183363.3	6.6	3.15	4.05
2.93	YES						
L0011434	0	0.29790E-06	652226.0	4183360.7	6.5	3.15	4.05
2.93	YES						
L0011435	0	0.29790E-06	652234.3	4183358.1	6.4	3.15	4.05
2.93	YES						
L0011436	0	0.29790E-06	652242.6	4183355.6	6.3	3.15	4.05
2.93	YES						
L0011437	0	0.29790E-06	652251.0	4183353.0	6.2	3.15	4.05
2.93	YES						
L0011438	0	0.29790E-06	652259.3	4183350.5	6.1	3.15	4.05
2.93	YES						
L0011439	0	0.29790E-06	652267.6	4183347.9	5.9	3.15	4.05
2.93	YES						
L0011440	0	0.29790E-06	652275.9	4183345.3	5.7	3.15	4.05
2.93	YES						
L0011441	0	0.29790E-06	652284.3	4183342.8	5.7	3.15	4.05
2.93	YES						
L0011442	0	0.29790E-06	652292.6	4183340.2	5.7	3.15	4.05
2.93	YES						
L0011443	0	0.29790E-06	652300.9	4183337.6	5.7	3.15	4.05
2.93	YES						
L0011444	0	0.29790E-06	652309.2	4183335.1	5.8	3.15	4.05
2.93	YES						
L0011445	0	0.29790E-06	652317.6	4183332.5	5.9	3.15	4.05
2.93	YES						
L0011446	0	0.29790E-06	652325.9	4183330.0	6.0	3.15	4.05
2.93	YES						
L0011447	0	0.29790E-06	652334.2	4183327.4	6.0	3.15	4.05
2.93	YES						
L0011448	0	0.29790E-06	652342.5	4183324.8	6.1	3.15	4.05
2.93	YES						
L0011449	0	0.29790E-06	652350.9	4183322.3	6.1	3.15	4.05
2.93	YES						

L0011450 0 0.29790E-06 652359.2 4183319.7 6.2 3.15 4.05
 2.93 YES
 L0011451 0 0.29790E-06 652367.5 4183317.2 6.3 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE	X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	VARY					
		BY						

L0011452	0	0.29790E-06	652375.8	4183314.6	6.4	3.15	4.05
2.93	YES						
L0011453	0	0.29790E-06	652384.2	4183312.0	6.4	3.15	4.05
2.93	YES						
L0011454	0	0.29790E-06	652392.5	4183309.5	6.5	3.15	4.05
2.93	YES						
L0011455	0	0.29790E-06	652400.8	4183306.9	6.6	3.15	4.05
2.93	YES						
L0011456	0	0.29790E-06	652409.1	4183304.3	6.6	3.15	4.05
2.93	YES						
L0011457	0	0.29790E-06	652417.4	4183301.6	6.7	3.15	4.05
2.93	YES						
L0011458	0	0.29790E-06	652425.6	4183298.8	6.8	3.15	4.05
2.93	YES						
L0011459	0	0.29790E-06	652433.9	4183296.0	6.8	3.15	4.05
2.93	YES						
L0011460	0	0.29790E-06	652442.1	4183293.2	6.8	3.15	4.05
2.93	YES						
L0011461	0	0.29790E-06	652450.4	4183290.4	6.8	3.15	4.05
2.93	YES						
L0011462	0	0.29790E-06	652458.7	4183287.6	6.8	3.15	4.05
2.93	YES						
L0011463	0	0.29790E-06	652466.9	4183284.8	6.8	3.15	4.05
2.93	YES						
L0011464	0	0.29790E-06	652475.2	4183282.0	6.8	3.15	4.05
2.93	YES						

L0011465	0	0.29790E-06	652483.4	4183279.3	6.9	3.15	4.05
2.93	YES						
L0011466	0	0.29790E-06	652491.7	4183276.5	6.9	3.15	4.05
2.93	YES						
L0011467	0	0.29790E-06	652499.9	4183273.7	7.0	3.15	4.05
2.93	YES						
L0011468	0	0.29790E-06	652508.2	4183270.9	7.0	3.15	4.05
2.93	YES						
L0011469	0	0.29790E-06	652516.4	4183268.1	7.1	3.15	4.05
2.93	YES						
L0011470	0	0.29790E-06	652524.7	4183265.3	7.2	3.15	4.05
2.93	YES						
L0011471	0	0.29790E-06	652532.9	4183262.5	7.2	3.15	4.05
2.93	YES						
L0011472	0	0.29790E-06	652541.2	4183259.7	7.2	3.15	4.05
2.93	YES						
L0011473	0	0.29790E-06	652549.4	4183256.9	7.2	3.15	4.05
2.93	YES						
L0011474	0	0.29790E-06	652557.7	4183254.1	7.2	3.15	4.05
2.93	YES						
L0011475	0	0.29790E-06	652565.9	4183251.3	7.2	3.15	4.05
2.93	YES						
L0011476	0	0.29790E-06	652574.2	4183248.5	7.2	3.15	4.05
2.93	YES						
L0011477	0	0.29790E-06	652582.4	4183245.7	7.2	3.15	4.05
2.93	YES						
L0011478	0	0.29790E-06	652590.7	4183243.0	7.2	3.15	4.05
2.93	YES						
L0011479	0	0.29790E-06	652599.0	4183240.6	7.2	3.15	4.05
2.93	YES						
L0011480	0	0.29790E-06	652607.5	4183238.3	7.2	3.15	4.05
2.93	YES						
L0011481	0	0.29790E-06	652615.9	4183236.1	7.2	3.15	4.05
2.93	YES						
L0011482	0	0.29790E-06	652624.3	4183233.8	7.2	3.15	4.05
2.93	YES						
L0011483	0	0.29790E-06	652632.7	4183231.6	7.1	3.15	4.05
2.93	YES						
L0011484	0	0.29790E-06	652641.1	4183229.3	7.1	3.15	4.05
2.93	YES						
L0011485	0	0.29790E-06	652649.5	4183227.0	7.1	3.15	4.05
2.93	YES						
L0011486	0	0.29790E-06	652657.9	4183224.8	7.0	3.15	4.05
2.93	YES						
L0011487	0	0.29790E-06	652666.3	4183222.5	7.0	3.15	4.05
2.93	YES						
L0011488	0	0.29790E-06	652674.7	4183220.2	7.0	3.15	4.05
2.93	YES						
L0011489	0	0.29790E-06	652683.2	4183218.0	7.0	3.15	4.05
2.93	YES						

L0011490 0 0.29790E-06 652691.6 4183215.7 7.0 3.15 4.05
 2.93 YES
 L0011491 0 0.29790E-06 652700.0 4183213.5 7.0 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
	SCALAR	PART.	(GRAMS/SEC)					
	BY	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
	BY	CATS.			(METERS)	(METERS)	(METERS)	(METERS)
	ID							
(METERS)								

L0011492	0	0.29790E-06	652708.4	4183211.2		7.0	3.15	4.05
2.93	YES							
L0011493	0	0.29790E-06	652716.8	4183208.9		7.1	3.15	4.05
2.93	YES							
L0011494	0	0.29790E-06	652725.3	4183206.9		7.1	3.15	4.05
2.93	YES							
L0011495	0	0.29790E-06	652733.8	4183205.0		7.1	3.15	4.05
2.93	YES							
L0011496	0	0.29790E-06	652742.3	4183203.1		7.1	3.15	4.05
2.93	YES							
L0011497	0	0.29790E-06	652750.8	4183201.2		7.0	3.15	4.05
2.93	YES							
L0011498	0	0.29790E-06	652759.3	4183199.3		7.0	3.15	4.05
2.93	YES							
L0011499	0	0.29790E-06	652767.8	4183197.4		7.0	3.15	4.05
2.93	YES							
L0011500	0	0.29790E-06	652776.3	4183195.5		7.0	3.15	4.05
2.93	YES							
L0011501	0	0.29790E-06	652784.8	4183193.6		7.0	3.15	4.05
2.93	YES							
L0011502	0	0.29790E-06	652793.3	4183191.7		7.0	3.15	4.05
2.93	YES							
L0011503	0	0.29790E-06	652801.8	4183189.8		6.9	3.15	4.05
2.93	YES							
L0011504	0	0.29790E-06	652810.3	4183188.3		6.9	3.15	4.05
2.93	YES							

L0011505	0	0.29790E-06	652818.9	4183186.9	6.9	3.15	4.05
2.93	YES						
L0011506	0	0.29790E-06	652827.5	4183185.5	6.9	3.15	4.05
2.93	YES						
L0011507	0	0.29790E-06	652836.1	4183184.0	6.9	3.15	4.05
2.93	YES						
L0011508	0	0.29790E-06	652844.7	4183182.6	6.9	3.15	4.05
2.93	YES						
L0011509	0	0.29790E-06	652853.3	4183181.2	6.9	3.15	4.05
2.93	YES						
L0011510	0	0.29790E-06	652861.9	4183179.8	6.9	3.15	4.05
2.93	YES						
L0011511	0	0.29790E-06	652870.5	4183178.5	6.8	3.15	4.05
2.93	YES						
L0011512	0	0.29790E-06	652879.2	4183177.5	6.8	3.15	4.05
2.93	YES						
L0011513	0	0.29790E-06	652887.8	4183176.5	6.8	3.15	4.05
2.93	YES						
L0011514	0	0.29790E-06	652896.5	4183175.5	6.8	3.15	4.05
2.93	YES						
L0011515	0	0.29790E-06	652905.1	4183174.6	6.8	3.15	4.05
2.93	YES						
L0011516	0	0.29790E-06	652913.8	4183173.6	6.8	3.15	4.05
2.93	YES						
L0011517	0	0.29790E-06	652922.4	4183172.6	6.8	3.15	4.05
2.93	YES						
L0011518	0	0.29790E-06	652931.1	4183171.6	6.8	3.15	4.05
2.93	YES						
L0011519	0	0.29790E-06	652939.8	4183170.6	6.8	3.15	4.05
2.93	YES						
L0011520	0	0.29790E-06	652948.4	4183169.7	6.8	3.15	4.05
2.93	YES						
L0011521	0	0.29790E-06	652957.1	4183168.7	6.8	3.15	4.05
2.93	YES						
L0011522	0	0.29790E-06	652965.7	4183167.7	6.8	3.15	4.05
2.93	YES						
L0011523	0	0.29790E-06	652974.4	4183166.9	6.8	3.15	4.05
2.93	YES						
L0011524	0	0.29790E-06	652983.1	4183166.3	6.8	3.15	4.05
2.93	YES						
L0011525	0	0.29790E-06	652991.8	4183165.7	6.8	3.15	4.05
2.93	YES						
L0011526	0	0.29790E-06	653000.5	4183165.1	6.8	3.15	4.05
2.93	YES						
L0011527	0	0.29790E-06	653009.1	4183164.5	6.8	3.15	4.05
2.93	YES						
L0011528	0	0.29790E-06	653017.8	4183164.1	6.8	3.15	4.05
2.93	YES						
L0011529	0	0.29790E-06	653026.5	4183163.9	6.8	3.15	4.05
2.93	YES						

L0011530 0 0.29790E-06 653035.3 4183163.6 6.8 3.15 4.05
 2.93 YES
 L0011531 0 0.29790E-06 653044.0 4183163.4 6.8 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0011532	0	0.29790E-06	653052.7	4183163.1		6.8	3.15	4.05
2.93	YES							
L0011533	0	0.29790E-06	653061.4	4183162.9		6.8	3.15	4.05
2.93	YES							
L0011534	0	0.29790E-06	653070.1	4183162.6		6.8	3.15	4.05
2.93	YES							
L0011535	0	0.29790E-06	653078.8	4183162.7		6.8	3.15	4.05
2.93	YES							
L0011536	0	0.29790E-06	653087.5	4183162.8		6.8	3.15	4.05
2.93	YES							
L0011537	0	0.29790E-06	653096.2	4183162.8		6.8	3.15	4.05
2.93	YES							
L0011538	0	0.29790E-06	653104.9	4183162.9		6.8	3.15	4.05
2.93	YES							
L0011539	0	0.29790E-06	653113.6	4183163.0		6.8	3.15	4.05
2.93	YES							
L0011540	0	0.29790E-06	653122.3	4183163.0		6.8	3.15	4.05
2.93	YES							
L0011541	0	0.29790E-06	653131.1	4183163.1		6.8	3.15	4.05
2.93	YES							
L0011542	0	0.29790E-06	653139.8	4183163.2		6.8	3.15	4.05
2.93	YES							
L0011543	0	0.29790E-06	653148.5	4183163.2		6.8	3.15	4.05
2.93	YES							
L0011544	0	0.29790E-06	653157.2	4183163.3		6.8	3.15	4.05
2.93	YES							

L0011545	0	0.29790E-06	653165.9	4183163.4	6.8	3.15	4.05
2.93	YES						
L0011546	0	0.29790E-06	653174.6	4183163.5	6.8	3.15	4.05
2.93	YES						
L0011547	0	0.29790E-06	653183.3	4183163.7	6.8	3.15	4.05
2.93	YES						
L0011548	0	0.29790E-06	653192.0	4183163.9	6.8	3.15	4.05
2.93	YES						
L0011549	0	0.29790E-06	653200.7	4183164.0	6.8	3.15	4.05
2.93	YES						
L0011550	0	0.29790E-06	653209.4	4183164.2	6.8	3.15	4.05
2.93	YES						
L0011551	0	0.29790E-06	653218.1	4183164.4	6.8	3.15	4.05
2.93	YES						
L0011552	0	0.29790E-06	653226.8	4183164.6	6.8	3.15	4.05
2.93	YES						
L0011553	0	0.29790E-06	653235.6	4183164.7	6.8	3.15	4.05
2.93	YES						
L0011554	0	0.29790E-06	653244.3	4183164.9	6.8	3.15	4.05
2.93	YES						
L0011555	0	0.29790E-06	653253.0	4183165.1	6.8	3.15	4.05
2.93	YES						
L0011556	0	0.29790E-06	653261.7	4183165.2	6.8	3.15	4.05
2.93	YES						
L0011557	0	0.29790E-06	653270.4	4183165.4	6.8	3.15	4.05
2.93	YES						
L0011558	0	0.29790E-06	653279.1	4183165.6	6.8	3.15	4.05
2.93	YES						
L0011559	0	0.29790E-06	653287.8	4183165.8	6.8	3.15	4.05
2.93	YES						
L0011560	0	0.29790E-06	653296.5	4183165.9	6.9	3.15	4.05
2.93	YES						
L0011561	0	0.29790E-06	653305.2	4183166.1	6.9	3.15	4.05
2.93	YES						
L0011562	0	0.29790E-06	653313.9	4183166.3	6.9	3.15	4.05
2.93	YES						
L0011563	0	0.29790E-06	653322.6	4183166.5	6.9	3.15	4.05
2.93	YES						
L0011564	0	0.29790E-06	653331.3	4183166.5	6.9	3.15	4.05
2.93	YES						
L0011565	0	0.29790E-06	653340.1	4183166.4	6.9	3.15	4.05
2.93	YES						
L0011566	0	0.29790E-06	653348.8	4183166.3	6.9	3.15	4.05
2.93	YES						
L0011567	0	0.29790E-06	653357.5	4183166.1	7.0	3.15	4.05
2.93	YES						
L0011568	0	0.29790E-06	653366.2	4183166.0	7.0	3.15	4.05
2.93	YES						
L0011569	0	0.29790E-06	653374.9	4183165.8	7.0	3.15	4.05
2.93	YES						

L0011570 0 0.29790E-06 653383.6 4183165.7 7.0 3.15 4.05
 2.93 YES
 L0011571 0 0.29790E-06 653392.3 4183165.6 7.0 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	BY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	VARY					

L0011572	0	0.29790E-06	653401.0	4183165.4	7.0	3.15	4.05
2.93	YES						
L0011573	0	0.29790E-06	653409.7	4183165.3	7.1	3.15	4.05
2.93	YES						
L0011574	0	0.13780E-06	653414.8	4183165.3	7.1	3.15	4.05
2.93	YES						
L0011575	0	0.13780E-06	653423.5	4183164.8	7.1	3.15	4.05
2.93	YES						
L0011576	0	0.13780E-06	653432.2	4183164.2	7.2	3.15	4.05
2.93	YES						
L0011577	0	0.13780E-06	653440.9	4183163.7	7.2	3.15	4.05
2.93	YES						
L0011578	0	0.13780E-06	653449.6	4183163.1	7.2	3.15	4.05
2.93	YES						
L0011579	0	0.13780E-06	653458.3	4183162.5	7.3	3.15	4.05
2.93	YES						
L0011580	0	0.13780E-06	653466.9	4183161.9	7.3	3.15	4.05
2.93	YES						
L0011581	0	0.13780E-06	653475.6	4183161.3	7.4	3.15	4.05
2.93	YES						
L0011582	0	0.13780E-06	653484.3	4183160.7	7.4	3.15	4.05
2.93	YES						
L0011583	0	0.13780E-06	653493.0	4183160.0	7.4	3.15	4.05
2.93	YES						
L0011584	0	0.13780E-06	653501.7	4183159.4	7.5	3.15	4.05
2.93	YES						

L0011585	0	0.13780E-06	653510.4	4183158.8	7.5	3.15	4.05
2.93	YES						
L0011586	0	0.13780E-06	653519.0	4183157.8	7.5	3.15	4.05
2.93	YES						
L0011587	0	0.13780E-06	653527.7	4183156.9	7.5	3.15	4.05
2.93	YES						
L0011588	0	0.13780E-06	653536.3	4183155.8	7.6	3.15	4.05
2.93	YES						
L0011589	0	0.13780E-06	653544.9	4183154.0	7.6	3.15	4.05
2.93	YES						
L0011590	0	0.13780E-06	653553.4	4183152.2	7.6	3.15	4.05
2.93	YES						
L0011591	0	0.13780E-06	653561.9	4183150.2	7.6	3.15	4.05
2.93	YES						
L0011592	0	0.13780E-06	653570.3	4183148.1	7.6	3.15	4.05
2.93	YES						
L0011593	0	0.13780E-06	653578.8	4183146.0	7.7	3.15	4.05
2.93	YES						
L0011594	0	0.13780E-06	653586.9	4183143.0	7.7	3.15	4.05
2.93	YES						
L0011595	0	0.13780E-06	653595.1	4183139.9	7.7	3.15	4.05
2.93	YES						
L0011596	0	0.13780E-06	653603.3	4183136.9	7.7	3.15	4.05
2.93	YES						
L0011597	0	0.13780E-06	653611.2	4183133.4	7.7	3.15	4.05
2.93	YES						
L0011598	0	0.13780E-06	653619.1	4183129.7	7.7	3.15	4.05
2.93	YES						
L0011599	0	0.13780E-06	653627.0	4183126.0	7.7	3.15	4.05
2.93	YES						
L0011600	0	0.13780E-06	653634.7	4183122.0	7.7	3.15	4.05
2.93	YES						
L0011601	0	0.13780E-06	653642.5	4183118.0	7.8	3.15	4.05
2.93	YES						
L0011602	0	0.13780E-06	653650.2	4183114.0	7.8	3.15	4.05
2.93	YES						
L0011603	0	0.13780E-06	653657.8	4183109.8	7.8	3.15	4.05
2.93	YES						
L0011604	0	0.13780E-06	653665.5	4183105.6	7.8	3.15	4.05
2.93	YES						
L0011605	0	0.13780E-06	653673.1	4183101.5	7.8	3.15	4.05
2.93	YES						
L0011606	0	0.13780E-06	653680.8	4183097.3	7.8	3.15	4.05
2.93	YES						
L0011607	0	0.13780E-06	653688.4	4183093.1	7.8	3.15	4.05
2.93	YES						
L0011608	0	0.13780E-06	653696.0	4183088.8	7.8	3.15	4.05
2.93	YES						
L0011609	0	0.13780E-06	653703.5	4183084.4	7.8	3.15	4.05
2.93	YES						

L0011610 0 0.13780E-06 653711.0 4183080.0 7.8 3.15 4.05
 2.93 YES
 L0011611 0 0.13780E-06 653718.5 4183075.6 7.8 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0011612	0	0.13780E-06	653726.0	4183071.2	7.8	3.15	4.05
2.93	YES						
L0011613	0	0.13780E-06	653733.5	4183066.8	7.8	3.15	4.05
2.93	YES						
L0011614	0	0.13780E-06	653741.1	4183062.4	7.8	3.15	4.05
2.93	YES						
L0011615	0	0.13780E-06	653748.6	4183058.0	7.7	3.15	4.05
2.93	YES						
L0011616	0	0.13780E-06	653756.1	4183053.6	7.7	3.15	4.05
2.93	YES						
L0011617	0	0.13780E-06	653763.6	4183049.2	7.7	3.15	4.05
2.93	YES						
L0011618	0	0.13780E-06	653771.2	4183044.9	7.7	3.15	4.05
2.93	YES						
L0011619	0	0.13780E-06	653778.9	4183040.7	7.7	3.15	4.05
2.93	YES						
L0011620	0	0.13780E-06	653786.5	4183036.6	7.7	3.15	4.05
2.93	YES						
L0011621	0	0.13780E-06	653794.1	4183032.4	7.7	3.15	4.05
2.93	YES						
L0011622	0	0.13780E-06	653801.8	4183028.2	7.7	3.15	4.05
2.93	YES						
L0011623	0	0.13780E-06	653809.4	4183024.0	7.7	3.15	4.05
2.93	YES						
L0011624	0	0.13780E-06	653817.1	4183019.9	7.7	3.15	4.05
2.93	YES						

L0011625	0	0.13780E-06	653824.7	4183015.7	7.7	3.15	4.05
2.93	YES						
L0011626	0	0.13780E-06	653832.4	4183011.5	7.7	3.15	4.05
2.93	YES						
L0011627	0	0.13780E-06	653840.0	4183007.3	7.7	3.15	4.05
2.93	YES						
L0011628	0	0.13780E-06	653847.7	4183003.2	7.7	3.15	4.05
2.93	YES						
L0011629	0	0.13780E-06	653855.3	4182999.1	7.7	3.15	4.05
2.93	YES						
L0011630	0	0.13780E-06	653863.0	4182994.9	7.7	3.15	4.05
2.93	YES						
L0011631	0	0.13780E-06	653870.7	4182990.8	7.7	3.15	4.05
2.93	YES						
L0011632	0	0.13780E-06	653878.4	4182986.7	7.7	3.15	4.05
2.93	YES						
L0011633	0	0.13780E-06	653886.0	4182982.6	7.7	3.15	4.05
2.93	YES						
L0011634	0	0.13780E-06	653893.7	4182978.4	7.7	3.15	4.05
2.93	YES						
L0011635	0	0.13780E-06	653901.4	4182974.3	7.7	3.15	4.05
2.93	YES						
L0011636	0	0.13780E-06	653909.0	4182970.2	7.7	3.15	4.05
2.93	YES						
L0011637	0	0.15760E-06	653878.0	4184746.6	8.6	3.15	4.05
2.93	YES						
L0011638	0	0.15760E-06	653878.2	4184737.9	8.6	3.15	4.05
2.93	YES						
L0011639	0	0.15760E-06	653878.4	4184729.2	8.6	3.15	4.05
2.93	YES						
L0011640	0	0.15760E-06	653878.6	4184720.5	8.6	3.15	4.05
2.93	YES						
L0011641	0	0.15760E-06	653878.8	4184711.8	8.6	3.15	4.05
2.93	YES						
L0011642	0	0.15760E-06	653879.0	4184703.1	8.6	3.15	4.05
2.93	YES						
L0011643	0	0.15760E-06	653879.2	4184694.4	8.6	3.15	4.05
2.93	YES						
L0011644	0	0.15760E-06	653879.4	4184685.7	8.6	3.15	4.05
2.93	YES						
L0011645	0	0.15760E-06	653879.6	4184677.0	8.6	3.15	4.05
2.93	YES						
L0011646	0	0.15760E-06	653879.8	4184668.3	8.6	3.15	4.05
2.93	YES						
L0011647	0	0.15760E-06	653880.0	4184659.6	8.6	3.15	4.05
2.93	YES						
L0011648	0	0.15760E-06	653880.2	4184650.9	8.6	3.15	4.05
2.93	YES						
L0011649	0	0.15760E-06	653880.4	4184642.2	8.6	3.15	4.05
2.93	YES						

L0011650 0 0.15760E-06 653880.6 4184633.5 8.6 3.15 4.05
 2.93 YES
 L0011651 0 0.15760E-06 653880.8 4184624.8 8.6 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0011652	0	0.15760E-06	653881.0	4184616.1		8.6	3.15	4.05
2.93	YES							
L0011653	0	0.15760E-06	653881.2	4184607.4		8.6	3.15	4.05
2.93	YES							
L0011654	0	0.15760E-06	653881.4	4184598.7		8.6	3.15	4.05
2.93	YES							
L0011655	0	0.15760E-06	653881.6	4184590.0		8.6	3.15	4.05
2.93	YES							
L0011656	0	0.15760E-06	653881.8	4184581.3		8.6	3.15	4.05
2.93	YES							
L0011657	0	0.15760E-06	653882.0	4184572.6		8.6	3.15	4.05
2.93	YES							
L0011658	0	0.15760E-06	653882.2	4184563.9		8.6	3.15	4.05
2.93	YES							
L0011659	0	0.15760E-06	653882.4	4184555.2		8.6	3.15	4.05
2.93	YES							
L0011660	0	0.15760E-06	653882.6	4184546.5		8.6	3.15	4.05
2.93	YES							
L0011661	0	0.15760E-06	653882.8	4184537.8		8.6	3.15	4.05
2.93	YES							
L0011662	0	0.15760E-06	653883.0	4184529.1		8.6	3.15	4.05
2.93	YES							
L0011663	0	0.15760E-06	653883.2	4184520.4		8.6	3.15	4.05
2.93	YES							
L0011664	0	0.15760E-06	653883.4	4184511.7		8.6	3.15	4.05
2.93	YES							

L0011665	0	0.15760E-06	653883.6	4184503.0	8.6	3.15	4.05
2.93	YES						
L0011666	0	0.15760E-06	653883.8	4184494.3	8.6	3.15	4.05
2.93	YES						
L0011667	0	0.15760E-06	653884.0	4184485.6	8.5	3.15	4.05
2.93	YES						
L0011668	0	0.15760E-06	653884.1	4184476.9	8.5	3.15	4.05
2.93	YES						
L0011669	0	0.15760E-06	653884.3	4184468.2	8.4	3.15	4.05
2.93	YES						
L0011670	0	0.15760E-06	653884.4	4184459.5	8.4	3.15	4.05
2.93	YES						
L0011671	0	0.15760E-06	653884.6	4184450.8	8.4	3.15	4.05
2.93	YES						
L0011672	0	0.15760E-06	653884.7	4184442.1	8.4	3.15	4.05
2.93	YES						
L0011673	0	0.15760E-06	653884.9	4184433.4	8.4	3.15	4.05
2.93	YES						
L0011674	0	0.15760E-06	653885.0	4184424.7	8.4	3.15	4.05
2.93	YES						
L0011675	0	0.15760E-06	653885.2	4184416.0	8.4	3.15	4.05
2.93	YES						
L0011676	0	0.15760E-06	653885.3	4184407.3	8.4	3.15	4.05
2.93	YES						
L0011677	0	0.15760E-06	653885.4	4184398.6	8.4	3.15	4.05
2.93	YES						
L0011678	0	0.15760E-06	653885.6	4184389.9	8.5	3.15	4.05
2.93	YES						
L0011679	0	0.15760E-06	653885.7	4184381.3	8.5	3.15	4.05
2.93	YES						
L0011680	0	0.15760E-06	653885.9	4184372.6	8.5	3.15	4.05
2.93	YES						
L0011681	0	0.15760E-06	653886.0	4184363.9	8.6	3.15	4.05
2.93	YES						
L0011682	0	0.15760E-06	653886.2	4184355.2	8.6	3.15	4.05
2.93	YES						
L0011683	0	0.15760E-06	653886.3	4184346.5	8.6	3.15	4.05
2.93	YES						
L0011684	0	0.15760E-06	653886.5	4184337.8	8.7	3.15	4.05
2.93	YES						
L0011685	0	0.15760E-06	653886.6	4184329.1	8.7	3.15	4.05
2.93	YES						
L0011686	0	0.15760E-06	653886.8	4184320.4	8.8	3.15	4.05
2.93	YES						
L0011687	0	0.15760E-06	653886.9	4184311.7	8.8	3.15	4.05
2.93	YES						
L0011688	0	0.15760E-06	653887.0	4184303.0	8.9	3.15	4.05
2.93	YES						
L0011689	0	0.15760E-06	653887.2	4184294.3	9.0	3.15	4.05
2.93	YES						

L0011690 0 0.15760E-06 653887.3 4184285.6 9.0 3.15 4.05
 2.93 YES
 L0011691 0 0.15760E-06 653887.5 4184276.9 9.1 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0011692	0	0.15760E-06	653887.6	4184268.2	9.2	3.15	4.05
2.93	YES						
L0011693	0	0.15760E-06	653887.8	4184259.5	9.2	3.15	4.05
2.93	YES						
L0011694	0	0.15760E-06	653887.9	4184250.8	9.3	3.15	4.05
2.93	YES						
L0011695	0	0.15760E-06	653888.1	4184242.1	9.3	3.15	4.05
2.93	YES						
L0011696	0	0.15760E-06	653888.2	4184233.4	9.4	3.15	4.05
2.93	YES						
L0011697	0	0.15760E-06	653888.3	4184224.7	9.4	3.15	4.05
2.93	YES						
L0011698	0	0.15760E-06	653888.5	4184216.0	9.4	3.15	4.05
2.93	YES						
L0011699	0	0.15760E-06	653888.6	4184207.3	9.5	3.15	4.05
2.93	YES						
L0011700	0	0.15760E-06	653888.8	4184198.6	9.5	3.15	4.05
2.93	YES						
L0011701	0	0.15760E-06	653888.9	4184189.9	9.6	3.15	4.05
2.93	YES						
L0011702	0	0.15760E-06	653889.1	4184181.2	9.6	3.15	4.05
2.93	YES						
L0011703	0	0.15760E-06	653889.2	4184172.5	9.7	3.15	4.05
2.93	YES						
L0011704	0	0.15760E-06	653889.4	4184163.8	9.7	3.15	4.05
2.93	YES						

L0011705	0	0.15760E-06	653889.5	4184155.1	9.8	3.15	4.05
2.93	YES						
L0011706	0	0.15760E-06	653889.6	4184146.4	9.8	3.15	4.05
2.93	YES						
L0011707	0	0.15760E-06	653889.8	4184137.7	9.9	3.15	4.05
2.93	YES						
L0011708	0	0.15760E-06	653889.9	4184129.0	9.9	3.15	4.05
2.93	YES						
L0011709	0	0.15760E-06	653890.1	4184120.3	10.0	3.15	4.05
2.93	YES						
L0011710	0	0.15760E-06	653890.2	4184111.6	10.0	3.15	4.05
2.93	YES						
L0011711	0	0.15760E-06	653890.4	4184102.9	10.0	3.15	4.05
2.93	YES						
L0011712	0	0.15760E-06	653890.5	4184094.2	10.1	3.15	4.05
2.93	YES						
L0011713	0	0.15760E-06	653890.7	4184085.5	10.1	3.15	4.05
2.93	YES						
L0011714	0	0.15760E-06	653890.8	4184076.8	10.1	3.15	4.05
2.93	YES						
L0011715	0	0.15760E-06	653891.0	4184068.1	10.1	3.15	4.05
2.93	YES						
L0011716	0	0.15760E-06	653891.1	4184059.4	10.1	3.15	4.05
2.93	YES						
L0011717	0	0.15760E-06	653891.2	4184050.7	10.1	3.15	4.05
2.93	YES						
L0011718	0	0.15760E-06	653891.4	4184042.0	10.1	3.15	4.05
2.93	YES						
L0011719	0	0.15760E-06	653891.5	4184033.3	10.1	3.15	4.05
2.93	YES						
L0011720	0	0.15760E-06	653891.7	4184024.6	10.1	3.15	4.05
2.93	YES						
L0011721	0	0.15760E-06	653891.8	4184015.9	10.0	3.15	4.05
2.93	YES						
L0011722	0	0.15760E-06	653892.0	4184007.2	10.0	3.15	4.05
2.93	YES						
L0011723	0	0.15760E-06	653892.1	4183998.5	10.0	3.15	4.05
2.93	YES						
L0011724	0	0.15760E-06	653892.3	4183989.8	10.0	3.15	4.05
2.93	YES						
L0011725	0	0.15760E-06	653892.4	4183981.1	9.9	3.15	4.05
2.93	YES						
L0011726	0	0.15760E-06	653892.5	4183972.4	9.9	3.15	4.05
2.93	YES						
L0011727	0	0.15760E-06	653892.7	4183963.7	9.9	3.15	4.05
2.93	YES						
L0011728	0	0.15760E-06	653892.8	4183955.0	9.8	3.15	4.05
2.93	YES						
L0011729	0	0.15760E-06	653893.0	4183946.3	9.7	3.15	4.05
2.93	YES						

L0011730 0 0.15760E-06 653893.1 4183937.6 9.7 3.15 4.05
 2.93 YES
 L0011731 0 0.15760E-06 653893.3 4183928.9 9.6 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)
		CATS.	BY				

L0011732	0	0.15760E-06	653893.4	4183920.2	9.5	3.15	4.05
2.93	YES						
L0011733	0	0.15760E-06	653893.6	4183911.5	9.5	3.15	4.05
2.93	YES						
L0011734	0	0.15760E-06	653893.7	4183902.8	9.4	3.15	4.05
2.93	YES						
L0011735	0	0.15760E-06	653894.1	4183894.1	9.4	3.15	4.05
2.93	YES						
L0011736	0	0.15760E-06	653894.5	4183885.4	9.3	3.15	4.05
2.93	YES						
L0011737	0	0.15760E-06	653894.8	4183876.7	9.2	3.15	4.05
2.93	YES						
L0011738	0	0.15760E-06	653895.2	4183868.0	9.2	3.15	4.05
2.93	YES						
L0011739	0	0.15760E-06	653895.5	4183859.4	9.1	3.15	4.05
2.93	YES						
L0011740	0	0.15760E-06	653895.9	4183850.7	9.0	3.15	4.05
2.93	YES						
L0011741	0	0.15760E-06	653896.3	4183842.0	8.9	3.15	4.05
2.93	YES						
L0011742	0	0.15760E-06	653896.6	4183833.3	8.8	3.15	4.05
2.93	YES						
L0011743	0	0.15760E-06	653897.0	4183824.6	8.8	3.15	4.05
2.93	YES						
L0011744	0	0.15760E-06	653897.3	4183815.9	8.7	3.15	4.05
2.93	YES						

L0011745	0	0.15760E-06	653897.7	4183807.2	8.6	3.15	4.05
2.93	YES						
L0011746	0	0.15760E-06	653898.1	4183798.5	8.5	3.15	4.05
2.93	YES						
L0011747	0	0.15760E-06	653898.4	4183789.8	8.5	3.15	4.05
2.93	YES						
L0011748	0	0.15760E-06	653898.8	4183781.1	8.4	3.15	4.05
2.93	YES						
L0011749	0	0.15760E-06	653899.1	4183772.4	8.3	3.15	4.05
2.93	YES						
L0011750	0	0.15760E-06	653899.5	4183763.7	8.2	3.15	4.05
2.93	YES						
L0011751	0	0.15760E-06	653899.9	4183755.0	8.2	3.15	4.05
2.93	YES						
L0011752	0	0.15760E-06	653900.2	4183746.4	8.1	3.15	4.05
2.93	YES						
L0011753	0	0.15760E-06	653900.6	4183737.7	8.1	3.15	4.05
2.93	YES						
L0011754	0	0.15760E-06	653900.9	4183729.0	8.0	3.15	4.05
2.93	YES						
L0011755	0	0.15760E-06	653901.3	4183720.3	7.9	3.15	4.05
2.93	YES						
L0011756	0	0.15760E-06	653901.7	4183711.6	7.9	3.15	4.05
2.93	YES						
L0011757	0	0.15760E-06	653902.0	4183702.9	7.8	3.15	4.05
2.93	YES						
L0011758	0	0.15760E-06	653902.4	4183694.2	7.8	3.15	4.05
2.93	YES						
L0011759	0	0.15760E-06	653902.8	4183685.5	7.8	3.15	4.05
2.93	YES						
L0011760	0	0.15760E-06	653903.1	4183676.8	7.8	3.15	4.05
2.93	YES						
L0011761	0	0.15760E-06	653903.5	4183668.1	7.7	3.15	4.05
2.93	YES						
L0011762	0	0.15760E-06	653903.8	4183659.4	7.7	3.15	4.05
2.93	YES						
L0011763	0	0.15760E-06	653904.2	4183650.7	7.7	3.15	4.05
2.93	YES						
L0011764	0	0.15760E-06	653904.6	4183642.0	7.7	3.15	4.05
2.93	YES						
L0011765	0	0.15760E-06	653904.9	4183633.4	7.8	3.15	4.05
2.93	YES						
L0011766	0	0.15760E-06	653905.2	4183624.7	7.8	3.15	4.05
2.93	YES						
L0011767	0	0.15760E-06	653905.3	4183616.0	7.8	3.15	4.05
2.93	YES						
L0011768	0	0.15760E-06	653905.5	4183607.3	7.9	3.15	4.05
2.93	YES						
L0011769	0	0.15760E-06	653905.7	4183598.6	7.9	3.15	4.05
2.93	YES						

L0011770 0 0.15760E-06 653905.8 4183589.9 8.0 3.15 4.05
 2.93 YES
 L0011771 0 0.15760E-06 653906.0 4183581.2 8.1 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0011772	0	0.15760E-06	653906.1	4183572.5		8.2	3.15	4.05
2.93	YES							
L0011773	0	0.15760E-06	653906.3	4183563.8		8.2	3.15	4.05
2.93	YES							
L0011774	0	0.15760E-06	653906.5	4183555.1		8.2	3.15	4.05
2.93	YES							
L0011775	0	0.15760E-06	653906.6	4183546.4		8.2	3.15	4.05
2.93	YES							
L0011776	0	0.15760E-06	653906.8	4183537.7		8.3	3.15	4.05
2.93	YES							
L0011777	0	0.15760E-06	653907.0	4183529.0		8.3	3.15	4.05
2.93	YES							
L0011778	0	0.15760E-06	653907.1	4183520.3		8.3	3.15	4.05
2.93	YES							
L0011779	0	0.15760E-06	653907.3	4183511.6		8.3	3.15	4.05
2.93	YES							
L0011780	0	0.15760E-06	653907.4	4183502.9		8.3	3.15	4.05
2.93	YES							
L0011781	0	0.15760E-06	653907.6	4183494.2		8.3	3.15	4.05
2.93	YES							
L0011782	0	0.15760E-06	653907.8	4183485.5		8.3	3.15	4.05
2.93	YES							
L0011783	0	0.15760E-06	653907.9	4183476.8		8.3	3.15	4.05
2.93	YES							
L0011784	0	0.15760E-06	653908.1	4183468.1		8.3	3.15	4.05
2.93	YES							

L0011785	0	0.15760E-06	653908.3	4183459.4	8.3	3.15	4.05
2.93	YES						
L0011786	0	0.15760E-06	653908.4	4183450.7	8.3	3.15	4.05
2.93	YES						
L0011787	0	0.15760E-06	653908.6	4183442.0	8.3	3.15	4.05
2.93	YES						
L0011788	0	0.15760E-06	653908.7	4183433.3	8.3	3.15	4.05
2.93	YES						
L0011789	0	0.15760E-06	653908.9	4183424.6	8.3	3.15	4.05
2.93	YES						
L0011790	0	0.15760E-06	653909.1	4183415.9	8.3	3.15	4.05
2.93	YES						
L0011791	0	0.15760E-06	653909.2	4183407.2	8.3	3.15	4.05
2.93	YES						
L0011792	0	0.15760E-06	653909.5	4183398.5	8.3	3.15	4.05
2.93	YES						
L0011793	0	0.15760E-06	653909.7	4183389.8	8.3	3.15	4.05
2.93	YES						
L0011794	0	0.15760E-06	653910.0	4183381.1	8.3	3.15	4.05
2.93	YES						
L0011795	0	0.15760E-06	653910.3	4183372.4	8.3	3.15	4.05
2.93	YES						
L0011796	0	0.15760E-06	653910.5	4183363.7	8.3	3.15	4.05
2.93	YES						
L0011797	0	0.15760E-06	653910.8	4183355.0	8.3	3.15	4.05
2.93	YES						
L0011798	0	0.15760E-06	653911.0	4183346.3	8.3	3.15	4.05
2.93	YES						
L0011799	0	0.15760E-06	653911.3	4183337.6	8.3	3.15	4.05
2.93	YES						
L0011800	0	0.15760E-06	653911.5	4183328.9	8.4	3.15	4.05
2.93	YES						
L0011801	0	0.15760E-06	653911.8	4183320.2	8.4	3.15	4.05
2.93	YES						
L0011802	0	0.15760E-06	653912.0	4183311.5	8.4	3.15	4.05
2.93	YES						
L0011803	0	0.15760E-06	653912.3	4183302.8	8.4	3.15	4.05
2.93	YES						
L0011804	0	0.15760E-06	653912.6	4183294.1	8.4	3.15	4.05
2.93	YES						
L0011805	0	0.15760E-06	653912.8	4183285.4	8.4	3.15	4.05
2.93	YES						
L0011806	0	0.15760E-06	653913.1	4183276.7	8.4	3.15	4.05
2.93	YES						
L0011807	0	0.15760E-06	653913.3	4183268.1	8.4	3.15	4.05
2.93	YES						
L0011808	0	0.15760E-06	653913.5	4183259.4	8.4	3.15	4.05
2.93	YES						
L0011809	0	0.15760E-06	653913.6	4183250.7	8.4	3.15	4.05
2.93	YES						

L0011810 0 0.15760E-06 653913.7 4183242.0 8.4 3.15 4.05
 2.93 YES
 L0011811 0 0.15760E-06 653913.8 4183233.3 8.3 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0011812	0	0.15760E-06	653913.9	4183224.6		8.3	3.15	4.05
2.93	YES							
L0011813	0	0.15760E-06	653914.0	4183215.9		8.3	3.15	4.05
2.93	YES							
L0011814	0	0.15760E-06	653914.1	4183207.2		8.3	3.15	4.05
2.93	YES							
L0011815	0	0.15760E-06	653914.3	4183198.5		8.3	3.15	4.05
2.93	YES							
L0011816	0	0.15760E-06	653914.4	4183189.8		8.3	3.15	4.05
2.93	YES							
L0011817	0	0.15760E-06	653914.5	4183181.1		8.3	3.15	4.05
2.93	YES							
L0011818	0	0.15760E-06	653914.6	4183172.4		8.2	3.15	4.05
2.93	YES							
L0011819	0	0.15760E-06	653914.7	4183163.7		8.2	3.15	4.05
2.93	YES							
L0011820	0	0.15760E-06	653914.8	4183155.0		8.2	3.15	4.05
2.93	YES							
L0011821	0	0.15760E-06	653914.8	4183146.3		8.2	3.15	4.05
2.93	YES							
L0011822	0	0.15760E-06	653914.9	4183137.6		8.2	3.15	4.05
2.93	YES							
L0011823	0	0.15760E-06	653914.9	4183128.9		8.2	3.15	4.05
2.93	YES							
L0011824	0	0.15760E-06	653914.9	4183120.2		8.1	3.15	4.05
2.93	YES							

L0011825	0	0.15760E-06	653914.9	4183111.5	8.1	3.15	4.05
2.93	YES						
L0011826	0	0.15760E-06	653914.9	4183102.8	8.1	3.15	4.05
2.93	YES						
L0011827	0	0.15760E-06	653915.0	4183094.1	8.1	3.15	4.05
2.93	YES						
L0011828	0	0.15760E-06	653915.0	4183085.4	8.1	3.15	4.05
2.93	YES						
L0011829	0	0.15760E-06	653915.0	4183076.7	8.0	3.15	4.05
2.93	YES						
L0011830	0	0.15760E-06	653915.0	4183068.0	8.0	3.15	4.05
2.93	YES						
L0011831	0	0.15760E-06	653915.0	4183059.3	8.0	3.15	4.05
2.93	YES						
L0011832	0	0.15760E-06	653915.1	4183050.6	7.9	3.15	4.05
2.93	YES						
L0011833	0	0.15760E-06	653915.1	4183041.9	7.9	3.15	4.05
2.93	YES						
L0011834	0	0.15760E-06	653915.1	4183033.2	7.9	3.15	4.05
2.93	YES						
L0011835	0	0.15760E-06	653915.1	4183024.5	7.9	3.15	4.05
2.93	YES						
L0011836	0	0.15760E-06	653915.1	4183015.8	7.8	3.15	4.05
2.93	YES						
L0011837	0	0.15760E-06	653915.2	4183007.1	7.8	3.15	4.05
2.93	YES						
L0011838	0	0.15760E-06	653915.2	4182998.4	7.8	3.15	4.05
2.93	YES						
L0011839	0	0.15760E-06	653915.2	4182989.7	7.8	3.15	4.05
2.93	YES						
L0011840	0	0.15760E-06	653915.2	4182981.0	7.7	3.15	4.05
2.93	YES						
L0011841	0	0.15760E-06	653915.3	4182972.3	7.7	3.15	4.05
2.93	YES						
L0011842	0	0.15760E-06	653915.3	4182963.6	7.7	3.15	4.05
2.93	YES						
L0011843	0	0.15760E-06	653915.5	4182954.9	7.7	3.15	4.05
2.93	YES						
L0011844	0	0.15760E-06	653915.6	4182946.2	7.6	3.15	4.05
2.93	YES						
L0011845	0	0.15760E-06	653915.8	4182937.5	7.6	3.15	4.05
2.93	YES						
L0011846	0	0.15760E-06	653915.9	4182928.8	7.6	3.15	4.05
2.93	YES						
L0011847	0	0.15760E-06	653916.1	4182920.1	7.6	3.15	4.05
2.93	YES						
L0011848	0	0.15760E-06	653916.3	4182911.4	7.5	3.15	4.05
2.93	YES						
L0011849	0	0.15760E-06	653916.4	4182902.7	7.5	3.15	4.05
2.93	YES						

L0011850 0 0.15760E-06 653916.6 4182894.0 7.5 3.15 4.05
 2.93 YES
 L0011851 0 0.15760E-06 653916.7 4182885.3 7.5 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0011852	0	0.15760E-06	653916.9	4182876.6		7.4	3.15	4.05
2.93	YES							
L0011853	0	0.15760E-06	653917.0	4182867.9		7.4	3.15	4.05
2.93	YES							
L0011854	0	0.15760E-06	653917.2	4182859.2		7.4	3.15	4.05
2.93	YES							
L0011855	0	0.15760E-06	653917.3	4182850.5		7.4	3.15	4.05
2.93	YES							
L0011856	0	0.15760E-06	653917.5	4182841.8		7.4	3.15	4.05
2.93	YES							
L0011857	0	0.15760E-06	653917.6	4182833.1		7.3	3.15	4.05
2.93	YES							
L0011858	0	0.15760E-06	653917.8	4182824.4		7.3	3.15	4.05
2.93	YES							
L0011859	0	0.15760E-06	653917.9	4182815.7		7.3	3.15	4.05
2.93	YES							
L0011860	0	0.15760E-06	653918.1	4182807.0		7.3	3.15	4.05
2.93	YES							
L0011861	0	0.15760E-06	653918.3	4182798.3		7.3	3.15	4.05
2.93	YES							
L0011862	0	0.15760E-06	653918.4	4182789.6		7.3	3.15	4.05
2.93	YES							
L0011863	0	0.15760E-06	653918.6	4182780.9		7.3	3.15	4.05
2.93	YES							
L0011864	0	0.15760E-06	653918.7	4182772.2		7.3	3.15	4.05
2.93	YES							

L0011865	0	0.15760E-06	653918.9	4182763.5	7.3	3.15	4.05
2.93	YES						
L0011866	0	0.97040E-06	653912.6	4182756.6	7.3	3.15	4.05
2.93	YES						
L0011867	0	0.97040E-06	653903.9	4182756.7	7.2	3.15	4.05
2.93	YES						
L0011868	0	0.97040E-06	653895.2	4182756.7	7.2	3.15	4.05
2.93	YES						
L0011869	0	0.97040E-06	653886.5	4182756.8	7.2	3.15	4.05
2.93	YES						
L0011870	0	0.97040E-06	653877.8	4182757.4	7.1	3.15	4.05
2.93	YES						
L0011871	0	0.97040E-06	653869.2	4182758.4	7.1	3.15	4.05
2.93	YES						
L0011872	0	0.97040E-06	653860.5	4182759.5	7.1	3.15	4.05
2.93	YES						
L0011873	0	0.97040E-06	653851.9	4182760.6	7.0	3.15	4.05
2.93	YES						
L0011874	0	0.97040E-06	653843.3	4182762.0	7.0	3.15	4.05
2.93	YES						
L0011875	0	0.97040E-06	653834.8	4182763.9	7.0	3.15	4.05
2.93	YES						
L0011876	0	0.97040E-06	653826.4	4182765.9	6.9	3.15	4.05
2.93	YES						
L0011877	0	0.97040E-06	653817.9	4182767.8	6.9	3.15	4.05
2.93	YES						
L0011878	0	0.97040E-06	653809.6	4182770.2	6.9	3.15	4.05
2.93	YES						
L0011879	0	0.97040E-06	653801.4	4182773.4	6.9	3.15	4.05
2.93	YES						
L0011880	0	0.97040E-06	653793.3	4182776.5	6.9	3.15	4.05
2.93	YES						
L0011881	0	0.97040E-06	653785.4	4182780.0	6.9	3.15	4.05
2.93	YES						
L0011882	0	0.97040E-06	653777.6	4182783.8	6.9	3.15	4.05
2.93	YES						
L0011883	0	0.97040E-06	653769.7	4182787.7	6.9	3.15	4.05
2.93	YES						
L0011884	0	0.97040E-06	653761.9	4182791.5	6.9	3.15	4.05
2.93	YES						
L0011885	0	0.97040E-06	653754.1	4182795.4	6.9	3.15	4.05
2.93	YES						
L0011886	0	0.97040E-06	653746.9	4182800.1	6.9	3.15	4.05
2.93	YES						
L0011887	0	0.97040E-06	653739.8	4182805.1	7.0	3.15	4.05
2.93	YES						
L0011888	0	0.97040E-06	653732.7	4182810.1	7.0	3.15	4.05
2.93	YES						
L0011889	0	0.97040E-06	653725.6	4182815.2	7.0	3.15	4.05
2.93	YES						

L0011890 0 0.97040E-06 653718.4 4182820.2 7.0 3.15 4.05
 2.93 YES
 L0011891 0 0.97040E-06 653711.3 4182825.2 7.0 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	BY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	VARY					

L0011892	0	0.97040E-06	653704.2	4182830.2	7.0	3.15	4.05
2.93	YES						
L0011893	0	0.97040E-06	653697.4	4182835.6	6.9	3.15	4.05
2.93	YES						
L0011894	0	0.97040E-06	653691.4	4182841.9	6.9	3.15	4.05
2.93	YES						
L0011895	0	0.97040E-06	653685.5	4182848.2	6.9	3.15	4.05
2.93	YES						
L0011896	0	0.97040E-06	653679.5	4182854.5	6.9	3.15	4.05
2.93	YES						
L0011897	0	0.97040E-06	653673.5	4182860.9	6.9	3.15	4.05
2.93	YES						
L0011898	0	0.97040E-06	653667.5	4182867.2	6.9	3.15	4.05
2.93	YES						
L0011899	0	0.97040E-06	653661.8	4182873.8	6.9	3.15	4.05
2.93	YES						
L0011900	0	0.97040E-06	653656.2	4182880.4	6.9	3.15	4.05
2.93	YES						
L0011901	0	0.97040E-06	653650.6	4182887.1	7.0	3.15	4.05
2.93	YES						
L0011902	0	0.97040E-06	653645.1	4182893.7	7.0	3.15	4.05
2.93	YES						
L0011903	0	0.97040E-06	653639.7	4182900.6	7.0	3.15	4.05
2.93	YES						
L0011904	0	0.97040E-06	653634.3	4182907.4	7.0	3.15	4.05
2.93	YES						

L0011905	0	0.97040E-06	653628.9	4182914.2	7.0	3.15	4.05
2.93	YES						
L0011906	0	0.97040E-06	653623.5	4182921.0	7.0	3.15	4.05
2.93	YES						
L0011907	0	0.97040E-06	653618.3	4182928.1	7.1	3.15	4.05
2.93	YES						
L0011908	0	0.97040E-06	653613.3	4182935.1	7.1	3.15	4.05
2.93	YES						
L0011909	0	0.97040E-06	653608.2	4182942.2	7.1	3.15	4.05
2.93	YES						
L0011910	0	0.97040E-06	653603.1	4182949.3	7.2	3.15	4.05
2.93	YES						
L0011911	0	0.97040E-06	653598.0	4182956.3	7.2	3.15	4.05
2.93	YES						
L0011912	0	0.97040E-06	653592.9	4182963.4	7.2	3.15	4.05
2.93	YES						
L0011913	0	0.97040E-06	653587.9	4182970.4	7.3	3.15	4.05
2.93	YES						
L0011914	0	0.97040E-06	653582.8	4182977.5	7.3	3.15	4.05
2.93	YES						
L0011915	0	0.97040E-06	653577.7	4182984.6	7.3	3.15	4.05
2.93	YES						
L0011916	0	0.97040E-06	653572.6	4182991.6	7.3	3.15	4.05
2.93	YES						
L0011917	0	0.97040E-06	653567.3	4182998.5	7.3	3.15	4.05
2.93	YES						
L0011918	0	0.97040E-06	653561.5	4183005.0	7.3	3.15	4.05
2.93	YES						
L0011919	0	0.97040E-06	653555.6	4183011.4	7.4	3.15	4.05
2.93	YES						
L0011920	0	0.29800E-06	653966.4	4180637.4	8.1	3.15	4.05
2.93	YES						
L0011921	0	0.29800E-06	653966.2	4180646.1	8.1	3.15	4.05
2.93	YES						
L0011922	0	0.29800E-06	653966.0	4180654.8	8.1	3.15	4.05
2.93	YES						
L0011923	0	0.29800E-06	653965.8	4180663.5	8.1	3.15	4.05
2.93	YES						
L0011924	0	0.29800E-06	653965.5	4180672.2	8.0	3.15	4.05
2.93	YES						
L0011925	0	0.29800E-06	653965.3	4180680.9	8.0	3.15	4.05
2.93	YES						
L0011926	0	0.29800E-06	653965.1	4180689.6	8.0	3.15	4.05
2.93	YES						
L0011927	0	0.29800E-06	653964.9	4180698.3	8.0	3.15	4.05
2.93	YES						
L0011928	0	0.29800E-06	653964.7	4180707.0	8.0	3.15	4.05
2.93	YES						
L0011929	0	0.29800E-06	653964.5	4180715.7	8.0	3.15	4.05
2.93	YES						

L0011930 0 0.29800E-06 653964.3 4180724.4 8.0 3.15 4.05
 2.93 YES
 L0011931 0 0.29800E-06 653964.1 4180733.1 7.9 3.15 4.05
 2.93 YES

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0011932	0	0.29800E-06	653963.9	4180741.8	7.9	3.15	4.05
2.93	YES						
L0011933	0	0.29800E-06	653963.7	4180750.5	7.9	3.15	4.05
2.93	YES						
L0011934	0	0.29800E-06	653963.5	4180759.2	7.9	3.15	4.05
2.93	YES						
L0011935	0	0.29800E-06	653963.3	4180767.9	7.9	3.15	4.05
2.93	YES						
L0011936	0	0.29800E-06	653963.1	4180776.6	7.9	3.15	4.05
2.93	YES						
L0011937	0	0.29800E-06	653962.9	4180785.3	7.9	3.15	4.05
2.93	YES						
L0011938	0	0.29800E-06	653962.7	4180794.0	7.9	3.15	4.05
2.93	YES						
L0011939	0	0.29800E-06	653962.5	4180802.7	7.9	3.15	4.05
2.93	YES						
L0011940	0	0.29800E-06	653962.3	4180811.4	7.9	3.15	4.05
2.93	YES						
L0011941	0	0.29800E-06	653962.1	4180820.1	7.9	3.15	4.05
2.93	YES						
L0011942	0	0.29800E-06	653961.9	4180828.8	7.9	3.15	4.05
2.93	YES						
L0011943	0	0.29800E-06	653961.8	4180837.5	7.9	3.15	4.05
2.93	YES						
L0011944	0	0.29800E-06	653961.6	4180846.1	7.9	3.15	4.05
2.93	YES						

L0011945	0	0.29800E-06	653961.4	4180854.8	7.9	3.15	4.05
2.93	YES						
L0011946	0	0.29800E-06	653961.2	4180863.5	7.9	3.15	4.05
2.93	YES						
L0011947	0	0.29800E-06	653961.0	4180872.2	7.9	3.15	4.05
2.93	YES						
L0011948	0	0.29800E-06	653960.9	4180880.9	7.9	3.15	4.05
2.93	YES						
L0011949	0	0.29800E-06	653960.7	4180889.6	7.9	3.15	4.05
2.93	YES						
L0011950	0	0.29800E-06	653960.5	4180898.3	7.9	3.15	4.05
2.93	YES						
L0011951	0	0.29800E-06	653960.3	4180907.0	7.9	3.15	4.05
2.93	YES						
L0011952	0	0.29800E-06	653960.1	4180915.7	7.9	3.15	4.05
2.93	YES						
L0011953	0	0.29800E-06	653959.9	4180924.4	7.9	3.15	4.05
2.93	YES						
L0011954	0	0.29800E-06	653959.8	4180933.1	7.9	3.15	4.05
2.93	YES						
L0011955	0	0.29800E-06	653959.6	4180941.8	7.9	3.15	4.05
2.93	YES						
L0011956	0	0.29800E-06	653959.4	4180950.5	7.9	3.15	4.05
2.93	YES						
L0011957	0	0.29800E-06	653959.2	4180959.2	8.0	3.15	4.05
2.93	YES						
L0011958	0	0.29800E-06	653959.0	4180967.9	8.0	3.15	4.05
2.93	YES						
L0011959	0	0.29800E-06	653958.8	4180976.6	8.0	3.15	4.05
2.93	YES						
L0011960	0	0.29800E-06	653958.6	4180985.3	8.0	3.15	4.05
2.93	YES						
L0011961	0	0.29800E-06	653958.4	4180994.0	8.0	3.15	4.05
2.93	YES						
L0011962	0	0.29800E-06	653958.2	4181002.7	8.0	3.15	4.05
2.93	YES						
L0011963	0	0.29800E-06	653958.1	4181011.4	8.0	3.15	4.05
2.93	YES						
L0011964	0	0.29800E-06	653957.9	4181020.1	8.1	3.15	4.05
2.93	YES						
L0011965	0	0.29800E-06	653957.7	4181028.8	8.1	3.15	4.05
2.93	YES						
L0011966	0	0.29800E-06	653957.5	4181037.5	8.1	3.15	4.05
2.93	YES						
L0011967	0	0.29800E-06	653957.3	4181046.2	8.1	3.15	4.05
2.93	YES						
L0011968	0	0.29800E-06	653957.1	4181054.9	8.2	3.15	4.05
2.93	YES						
L0011969	0	0.29800E-06	653956.9	4181063.6	8.2	3.15	4.05
2.93	YES						

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L0011970      0  0.29800E-06  653956.7 4181072.3    8.2    3.15    4.05
2.93    YES
L0011971      0  0.29800E-06  653956.5 4181081.0    8.2    3.15    4.05
2.93    YES
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	SY
(METERS)	ID	SCALAR	VARY	BY	(METERS)	(METERS)	(METERS)
		CATS.			ELEV.	HEIGHT	

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L0011972      0  0.29800E-06  653956.3 4181089.7    8.3    3.15    4.05
2.93    YES
L0011973      0  0.29800E-06  653956.1 4181098.4    8.3    3.15    4.05
2.93    YES
L0011974      0  0.29800E-06  653955.9 4181107.1    8.3    3.15    4.05
2.93    YES
L0011975      0  0.29800E-06  653955.7 4181115.8    8.3    3.15    4.05
2.93    YES
L0011976      0  0.29800E-06  653955.5 4181124.5    8.3    3.15    4.05
2.93    YES
L0011977      0  0.29800E-06  653955.3 4181133.2    8.3    3.15    4.05
2.93    YES
L0011978      0  0.29800E-06  653955.2 4181141.9    8.3    3.15    4.05
2.93    YES
L0011979      0  0.29800E-06  653955.0 4181150.6    8.3    3.15    4.05
2.93    YES
L0011980      0  0.29800E-06  653954.8 4181159.3    8.3    3.15    4.05
2.93    YES
L0011981      0  0.29800E-06  653954.6 4181168.0    8.3    3.15    4.05
2.93    YES
L0011982      0  0.29800E-06  653954.4 4181176.7    8.3    3.15    4.05
2.93    YES
L0011983      0  0.29800E-06  653954.2 4181185.4    8.3    3.15    4.05
2.93    YES
L0011984      0  0.29800E-06  653954.0 4181194.1    8.4    3.15    4.05
2.93    YES

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L0011985	0	0.29800E-06	653953.8	4181202.8	8.4	3.15	4.05
2.93	YES						
L0011986	0	0.29800E-06	653953.6	4181211.5	8.4	3.15	4.05
2.93	YES						
L0011987	0	0.29800E-06	653953.4	4181220.2	8.4	3.15	4.05
2.93	YES						
L0011988	0	0.29800E-06	653953.2	4181228.9	8.5	3.15	4.05
2.93	YES						
L0011989	0	0.29800E-06	653953.0	4181237.6	8.8	3.15	4.05
2.93	YES						
L0011990	0	0.29800E-06	653952.8	4181246.3	9.1	3.15	4.05
2.93	YES						
L0011991	0	0.29800E-06	653952.6	4181254.9	9.5	3.15	4.05
2.93	YES						
L0011992	0	0.29800E-06	653952.4	4181263.6	9.6	3.15	4.05
2.93	YES						
L0011993	0	0.29800E-06	653952.2	4181272.3	9.8	3.15	4.05
2.93	YES						
L0011994	0	0.29800E-06	653952.0	4181281.0	9.9	3.15	4.05
2.93	YES						
L0011995	0	0.29800E-06	653951.8	4181289.7	10.0	3.15	4.05
2.93	YES						
L0011996	0	0.29800E-06	653951.6	4181298.4	10.0	3.15	4.05
2.93	YES						
L0011997	0	0.29800E-06	653951.4	4181307.1	10.0	3.15	4.05
2.93	YES						
L0011998	0	0.29800E-06	653951.2	4181315.8	10.0	3.15	4.05
2.93	YES						
L0011999	0	0.29800E-06	653951.0	4181324.5	9.9	3.15	4.05
2.93	YES						
L0012000	0	0.29800E-06	653950.8	4181333.2	9.9	3.15	4.05
2.93	YES						
L0012001	0	0.29800E-06	653950.6	4181341.9	9.9	3.15	4.05
2.93	YES						
L0012002	0	0.29800E-06	653950.4	4181350.6	9.9	3.15	4.05
2.93	YES						
L0012003	0	0.29800E-06	653950.2	4181359.3	9.9	3.15	4.05
2.93	YES						
L0012004	0	0.29800E-06	653950.0	4181368.0	9.8	3.15	4.05
2.93	YES						
L0012005	0	0.29800E-06	653949.8	4181376.7	9.8	3.15	4.05
2.93	YES						
L0012006	0	0.29800E-06	653949.6	4181385.4	9.8	3.15	4.05
2.93	YES						
L0012007	0	0.29800E-06	653949.4	4181394.1	9.7	3.15	4.05
2.93	YES						
L0012008	0	0.29800E-06	653949.2	4181402.8	9.7	3.15	4.05
2.93	YES						
L0012009	0	0.29800E-06	653949.0	4181411.5	9.6	3.15	4.05
2.93	YES						

L0012010 0 0.29800E-06 653948.8 4181420.2 9.6 3.15 4.05
 2.93 YES
 L0012011 0 0.29800E-06 653948.6 4181428.9 9.6 3.15 4.05
 2.93 YES

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	BY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	VARY					

L0012012	0	0.29800E-06	653948.4	4181437.6	9.6	3.15	4.05
2.93	YES						
L0012013	0	0.29800E-06	653948.2	4181446.3	9.6	3.15	4.05
2.93	YES						
L0012014	0	0.29800E-06	653948.0	4181455.0	9.6	3.15	4.05
2.93	YES						
L0012015	0	0.29800E-06	653947.8	4181463.7	9.5	3.15	4.05
2.93	YES						
L0012016	0	0.29800E-06	653947.6	4181472.4	9.5	3.15	4.05
2.93	YES						
L0012017	0	0.29800E-06	653947.4	4181481.1	9.2	3.15	4.05
2.93	YES						
L0012018	0	0.29800E-06	653947.2	4181489.8	8.9	3.15	4.05
2.93	YES						
L0012019	0	0.29800E-06	653947.0	4181498.5	8.5	3.15	4.05
2.93	YES						
L0012020	0	0.29800E-06	653946.8	4181507.2	8.3	3.15	4.05
2.93	YES						
L0012021	0	0.29800E-06	653946.7	4181515.9	8.3	3.15	4.05
2.93	YES						
L0012022	0	0.29800E-06	653946.5	4181524.6	8.3	3.15	4.05
2.93	YES						
L0012023	0	0.29800E-06	653946.3	4181533.3	8.3	3.15	4.05
2.93	YES						
L0012024	0	0.29800E-06	653946.1	4181542.0	8.2	3.15	4.05
2.93	YES						

L0012025	0	0.29800E-06	653945.9	4181550.7	8.2	3.15	4.05
2.93	YES						
L0012026	0	0.29800E-06	653945.7	4181559.4	8.2	3.15	4.05
2.93	YES						
L0012027	0	0.29800E-06	653945.5	4181568.1	8.2	3.15	4.05
2.93	YES						
L0012028	0	0.29800E-06	653945.3	4181576.8	8.2	3.15	4.05
2.93	YES						
L0012029	0	0.29800E-06	653945.1	4181585.5	8.2	3.15	4.05
2.93	YES						
L0012030	0	0.29800E-06	653944.9	4181594.2	8.1	3.15	4.05
2.93	YES						
L0012031	0	0.29800E-06	653944.7	4181602.9	8.1	3.15	4.05
2.93	YES						
L0012032	0	0.29800E-06	653944.5	4181611.6	8.1	3.15	4.05
2.93	YES						
L0012033	0	0.29800E-06	653944.3	4181620.3	8.1	3.15	4.05
2.93	YES						
L0012034	0	0.29800E-06	653944.1	4181629.0	8.1	3.15	4.05
2.93	YES						
L0012035	0	0.29800E-06	653943.9	4181637.6	8.1	3.15	4.05
2.93	YES						
L0012036	0	0.29800E-06	653943.7	4181646.3	8.1	3.15	4.05
2.93	YES						
L0012037	0	0.29800E-06	653943.5	4181655.0	8.1	3.15	4.05
2.93	YES						
L0012038	0	0.29800E-06	653943.3	4181663.7	8.1	3.15	4.05
2.93	YES						
L0012039	0	0.29800E-06	653943.1	4181672.4	8.0	3.15	4.05
2.93	YES						
L0012040	0	0.29800E-06	653942.9	4181681.1	8.0	3.15	4.05
2.93	YES						
L0012041	0	0.29800E-06	653942.7	4181689.8	8.0	3.15	4.05
2.93	YES						
L0012042	0	0.29800E-06	653942.5	4181698.5	8.0	3.15	4.05
2.93	YES						
L0012043	0	0.29800E-06	653942.3	4181707.2	8.0	3.15	4.05
2.93	YES						
L0012044	0	0.29800E-06	653942.1	4181715.9	8.0	3.15	4.05
2.93	YES						
L0012045	0	0.29800E-06	653941.9	4181724.6	8.0	3.15	4.05
2.93	YES						
L0012046	0	0.29800E-06	653941.7	4181733.3	8.0	3.15	4.05
2.93	YES						
L0012047	0	0.29800E-06	653941.5	4181742.0	8.0	3.15	4.05
2.93	YES						
L0012048	0	0.29800E-06	653941.3	4181750.7	7.9	3.15	4.05
2.93	YES						
L0012049	0	0.29800E-06	653941.1	4181759.4	7.9	3.15	4.05
2.93	YES						

L0012050 0 0.29800E-06 653940.9 4181768.1 7.9 3.15 4.05
 2.93 YES
 L0012051 0 0.29800E-06 653940.7 4181776.8 7.9 3.15 4.05
 2.93 YES

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0012052	0	0.29800E-06	653940.5	4181785.5	7.9	3.15	4.05
2.93	YES						
L0012053	0	0.29800E-06	653940.3	4181794.2	7.9	3.15	4.05
2.93	YES						
L0012054	0	0.29800E-06	653940.1	4181802.9	7.9	3.15	4.05
2.93	YES						
L0012055	0	0.29800E-06	653939.9	4181811.6	7.9	3.15	4.05
2.93	YES						
L0012056	0	0.29800E-06	653939.7	4181820.3	7.8	3.15	4.05
2.93	YES						
L0012057	0	0.29800E-06	653939.5	4181829.0	7.8	3.15	4.05
2.93	YES						
L0012058	0	0.29800E-06	653939.3	4181837.7	7.8	3.15	4.05
2.93	YES						
L0012059	0	0.29800E-06	653939.1	4181846.4	7.8	3.15	4.05
2.93	YES						
L0012060	0	0.29800E-06	653938.9	4181855.1	7.8	3.15	4.05
2.93	YES						
L0012061	0	0.29800E-06	653938.7	4181863.8	7.8	3.15	4.05
2.93	YES						
L0012062	0	0.29800E-06	653938.5	4181872.5	7.8	3.15	4.05
2.93	YES						
L0012063	0	0.29800E-06	653938.3	4181881.2	7.8	3.15	4.05
2.93	YES						
L0012064	0	0.29800E-06	653938.1	4181889.9	7.8	3.15	4.05
2.93	YES						

L0012065	0	0.29800E-06	653937.9	4181898.6	7.8	3.15	4.05
2.93	YES						
L0012066	0	0.29800E-06	653937.7	4181907.3	7.8	3.15	4.05
2.93	YES						
L0012067	0	0.29800E-06	653937.5	4181916.0	7.8	3.15	4.05
2.93	YES						
L0012068	0	0.29800E-06	653937.3	4181924.7	7.8	3.15	4.05
2.93	YES						
L0012069	0	0.29800E-06	653937.1	4181933.4	7.8	3.15	4.05
2.93	YES						
L0012070	0	0.29800E-06	653936.9	4181942.1	7.8	3.15	4.05
2.93	YES						
L0012071	0	0.29800E-06	653936.7	4181950.8	7.7	3.15	4.05
2.93	YES						
L0012072	0	0.29800E-06	653936.5	4181959.5	7.7	3.15	4.05
2.93	YES						
L0012073	0	0.29800E-06	653936.3	4181968.2	7.7	3.15	4.05
2.93	YES						
L0012074	0	0.29800E-06	653936.1	4181976.9	7.7	3.15	4.05
2.93	YES						
L0012075	0	0.29800E-06	653935.9	4181985.6	7.7	3.15	4.05
2.93	YES						
L0012076	0	0.29800E-06	653935.7	4181994.3	7.7	3.15	4.05
2.93	YES						
L0012077	0	0.29800E-06	653935.5	4182003.0	7.7	3.15	4.05
2.93	YES						
L0012078	0	0.29800E-06	653935.3	4182011.7	7.7	3.15	4.05
2.93	YES						
L0012079	0	0.29800E-06	653935.1	4182020.4	7.7	3.15	4.05
2.93	YES						
L0012080	0	0.29800E-06	653934.9	4182029.0	7.7	3.15	4.05
2.93	YES						
L0012081	0	0.29800E-06	653934.7	4182037.7	7.7	3.15	4.05
2.93	YES						
L0012082	0	0.29800E-06	653934.5	4182046.4	7.7	3.15	4.05
2.93	YES						
L0012083	0	0.29800E-06	653934.3	4182055.1	7.7	3.15	4.05
2.93	YES						
L0012084	0	0.29800E-06	653934.1	4182063.8	7.7	3.15	4.05
2.93	YES						
L0012085	0	0.29800E-06	653934.0	4182072.5	7.7	3.15	4.05
2.93	YES						
L0012086	0	0.29800E-06	653933.8	4182081.2	7.7	3.15	4.05
2.93	YES						
L0012087	0	0.29800E-06	653933.6	4182089.9	7.7	3.15	4.05
2.93	YES						
L0012088	0	0.29800E-06	653933.4	4182098.6	7.7	3.15	4.05
2.93	YES						
L0012089	0	0.29800E-06	653933.2	4182107.3	7.7	3.15	4.05
2.93	YES						

L0012090 0 0.29800E-06 653933.0 4182116.0 7.7 3.15 4.05
 2.93 YES
 L0012091 0 0.29800E-06 653932.8 4182124.7 7.7 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0012092	0	0.29800E-06	653932.6	4182133.4	7.7	3.15	4.05
2.93	YES						
L0012093	0	0.29800E-06	653932.4	4182142.1	7.7	3.15	4.05
2.93	YES						
L0012094	0	0.29800E-06	653932.2	4182150.8	7.7	3.15	4.05
2.93	YES						
L0012095	0	0.29800E-06	653932.0	4182159.5	7.7	3.15	4.05
2.93	YES						
L0012096	0	0.29800E-06	653931.8	4182168.2	7.7	3.15	4.05
2.93	YES						
L0012097	0	0.29800E-06	653931.6	4182176.9	7.7	3.15	4.05
2.93	YES						
L0012098	0	0.29800E-06	653931.4	4182185.6	7.7	3.15	4.05
2.93	YES						
L0012099	0	0.29800E-06	653931.2	4182194.3	7.7	3.15	4.05
2.93	YES						
L0012100	0	0.29800E-06	653931.0	4182203.0	7.7	3.15	4.05
2.93	YES						
L0012101	0	0.29800E-06	653930.8	4182211.7	7.7	3.15	4.05
2.93	YES						
L0012102	0	0.29800E-06	653930.6	4182220.4	7.7	3.15	4.05
2.93	YES						
L0012103	0	0.29800E-06	653930.4	4182229.1	7.7	3.15	4.05
2.93	YES						
L0012104	0	0.29800E-06	653930.2	4182237.8	7.7	3.15	4.05
2.93	YES						

L0012105	0	0.29800E-06	653930.0	4182246.5	7.7	3.15	4.05
2.93	YES						
L0012106	0	0.29800E-06	653929.8	4182255.2	7.7	3.15	4.05
2.93	YES						
L0012107	0	0.29800E-06	653929.6	4182263.9	7.7	3.15	4.05
2.93	YES						
L0012108	0	0.29800E-06	653929.4	4182272.6	7.7	3.15	4.05
2.93	YES						
L0012109	0	0.29800E-06	653929.2	4182281.3	7.7	3.15	4.05
2.93	YES						
L0012110	0	0.29800E-06	653929.0	4182290.0	7.7	3.15	4.05
2.93	YES						
L0012111	0	0.29800E-06	653928.8	4182298.7	7.7	3.15	4.05
2.93	YES						
L0012112	0	0.29800E-06	653928.6	4182307.4	7.7	3.15	4.05
2.93	YES						
L0012113	0	0.29800E-06	653928.4	4182316.1	7.7	3.15	4.05
2.93	YES						
L0012114	0	0.29800E-06	653928.2	4182324.8	7.7	3.15	4.05
2.93	YES						
L0012115	0	0.29800E-06	653928.0	4182333.5	7.7	3.15	4.05
2.93	YES						
L0012116	0	0.29800E-06	653927.8	4182342.2	7.7	3.15	4.05
2.93	YES						
L0012117	0	0.29800E-06	653927.6	4182350.9	7.7	3.15	4.05
2.93	YES						
L0012118	0	0.15760E-06	653927.3	4182360.7	7.6	3.15	4.05
2.93	YES						
L0012119	0	0.15760E-06	653927.1	4182369.4	7.6	3.15	4.05
2.93	YES						
L0012120	0	0.15760E-06	653926.8	4182378.1	7.6	3.15	4.05
2.93	YES						
L0012121	0	0.15760E-06	653926.6	4182386.8	7.6	3.15	4.05
2.93	YES						
L0012122	0	0.15760E-06	653926.4	4182395.5	7.6	3.15	4.05
2.93	YES						
L0012123	0	0.15760E-06	653926.2	4182404.2	7.6	3.15	4.05
2.93	YES						
L0012124	0	0.15760E-06	653926.0	4182412.9	7.6	3.15	4.05
2.93	YES						
L0012125	0	0.15760E-06	653925.8	4182421.6	7.6	3.15	4.05
2.93	YES						
L0012126	0	0.15760E-06	653925.8	4182430.3	7.6	3.15	4.05
2.93	YES						
L0012127	0	0.15760E-06	653925.8	4182439.0	7.6	3.15	4.05
2.93	YES						
L0012128	0	0.15760E-06	653925.8	4182447.7	7.5	3.15	4.05
2.93	YES						
L0012129	0	0.15760E-06	653925.8	4182456.4	7.5	3.15	4.05
2.93	YES						

L0012130 0 0.15760E-06 653925.8 4182465.1 7.5 3.15 4.05
 2.93 YES
 L0012131 0 0.15760E-06 653925.7 4182473.8 7.5 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY						

L0012132	0	0.15760E-06	653925.7	4182482.5	7.5	3.15	4.05
2.93	YES						
L0012133	0	0.15760E-06	653925.6	4182491.2	7.5	3.15	4.05
2.93	YES						
L0012134	0	0.15760E-06	653925.4	4182499.9	7.5	3.15	4.05
2.93	YES						
L0012135	0	0.15760E-06	653925.2	4182508.6	7.5	3.15	4.05
2.93	YES						
L0012136	0	0.15760E-06	653925.0	4182517.3	7.5	3.15	4.05
2.93	YES						
L0012137	0	0.15760E-06	653924.8	4182526.0	7.4	3.15	4.05
2.93	YES						
L0012138	0	0.15760E-06	653924.6	4182534.7	7.4	3.15	4.05
2.93	YES						
L0012139	0	0.15760E-06	653924.5	4182543.4	7.4	3.15	4.05
2.93	YES						
L0012140	0	0.15760E-06	653924.4	4182552.1	7.4	3.15	4.05
2.93	YES						
L0012141	0	0.15760E-06	653924.3	4182560.8	7.4	3.15	4.05
2.93	YES						
L0012142	0	0.15760E-06	653924.2	4182569.5	7.4	3.15	4.05
2.93	YES						
L0012143	0	0.15760E-06	653924.1	4182578.2	7.4	3.15	4.05
2.93	YES						
L0012144	0	0.15760E-06	653924.0	4182586.9	7.4	3.15	4.05
2.93	YES						

L0012145	0	0.15760E-06	653923.9	4182595.6	7.3	3.15	4.05
2.93	YES						
L0012146	0	0.15760E-06	653923.8	4182604.3	7.3	3.15	4.05
2.93	YES						
L0012147	0	0.15760E-06	653923.7	4182613.0	7.3	3.15	4.05
2.93	YES						
L0012148	0	0.15760E-06	653923.6	4182621.7	7.3	3.15	4.05
2.93	YES						
L0012149	0	0.15760E-06	653923.4	4182630.4	7.3	3.15	4.05
2.93	YES						
L0012150	0	0.15760E-06	653923.3	4182639.1	7.3	3.15	4.05
2.93	YES						
L0012151	0	0.15760E-06	653923.2	4182647.8	7.3	3.15	4.05
2.93	YES						
L0012152	0	0.15760E-06	653923.1	4182656.5	7.3	3.15	4.05
2.93	YES						
L0012153	0	0.15760E-06	653922.9	4182665.2	7.3	3.15	4.05
2.93	YES						
L0012154	0	0.15760E-06	653922.8	4182673.9	7.3	3.15	4.05
2.93	YES						
L0012155	0	0.15760E-06	653922.7	4182682.6	7.3	3.15	4.05
2.93	YES						
L0012156	0	0.15760E-06	653922.5	4182691.3	7.3	3.15	4.05
2.93	YES						
L0012157	0	0.15760E-06	653922.4	4182700.0	7.3	3.15	4.05
2.93	YES						
L0012158	0	0.15760E-06	653922.5	4182708.7	7.3	3.15	4.05
2.93	YES						
L0012159	0	0.15760E-06	653922.5	4182717.4	7.3	3.15	4.05
2.93	YES						
L0012160	0	0.15760E-06	653922.5	4182726.1	7.3	3.15	4.05
2.93	YES						
L0012161	0	0.15760E-06	653922.6	4182734.8	7.3	3.15	4.05
2.93	YES						
L0012162	0	0.15760E-06	653921.4	4182743.4	7.3	3.15	4.05
2.93	YES						
L0012163	0	0.15760E-06	653920.1	4182752.0	7.3	3.15	4.05
2.93	YES						
L0012164	0	0.33720E-08	653552.1	4183021.0	7.4	3.15	4.05
2.93	YES						
L0012165	0	0.33720E-08	653557.2	4183028.1	7.4	3.15	4.05
2.93	YES						
L0012166	0	0.33720E-08	653562.3	4183035.1	7.4	3.15	4.05
2.93	YES						
L0012167	0	0.33720E-08	653567.1	4183042.4	7.4	3.15	4.05
2.93	YES						
L0012168	0	0.33720E-08	653571.8	4183049.8	7.5	3.15	4.05
2.93	YES						
L0012169	0	0.33720E-08	653576.4	4183057.1	7.5	3.15	4.05
2.93	YES						

L0012170 0 0.33720E-08 653581.0 4183064.5 7.5 3.15 4.05
 2.93 YES
 L0012171 0 0.33720E-08 653585.5 4183072.0 7.5 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY						

L0012172	0	0.33720E-08	653589.5	4183079.7	7.5	3.15	4.05
2.93	YES						
L0012173	0	0.33720E-08	653593.5	4183087.4	7.6	3.15	4.05
2.93	YES						
L0012174	0	0.33720E-08	653599.0	4183094.0	7.6	3.15	4.05
2.93	YES						
L0012175	0	0.33720E-08	653605.7	4183099.6	7.6	3.15	4.05
2.93	YES						
L0012176	0	0.33720E-08	653614.4	4183100.2	7.6	3.15	4.05
2.93	YES						
L0012177	0	0.33720E-08	653623.0	4183100.0	7.7	3.15	4.05
2.93	YES						
L0012178	0	0.33720E-08	653631.2	4183097.3	7.7	3.15	4.05
2.93	YES						
L0012179	0	0.33720E-08	653639.5	4183094.6	7.7	3.15	4.05
2.93	YES						
L0012180	0	0.33720E-08	653647.6	4183091.5	7.7	3.15	4.05
2.93	YES						
L0012181	0	0.33720E-08	653655.1	4183087.1	7.7	3.15	4.05
2.93	YES						
L0012182	0	0.33720E-08	653662.6	4183082.7	7.7	3.15	4.05
2.93	YES						
L0012183	0	0.33720E-08	653670.1	4183078.3	7.7	3.15	4.05
2.93	YES						
L0012184	0	0.33720E-08	653677.6	4183073.8	7.7	3.15	4.05
2.93	YES						

L0012185	0	0.33720E-08	653685.2	4183069.4	7.7	3.15	4.05
2.93	YES						
L0012186	0	0.33720E-08	653692.7	4183065.1	7.7	3.15	4.05
2.93	YES						
L0012187	0	0.33720E-08	653700.2	4183060.7	7.7	3.15	4.05
2.93	YES						
L0012188	0	0.33720E-08	653707.8	4183056.3	7.7	3.15	4.05
2.93	YES						
L0012189	0	0.33720E-08	653707.1	4183048.0	7.6	3.15	4.05
2.93	YES						
L0012190	0	0.33720E-08	653704.0	4183040.0	7.6	3.15	4.05
2.93	YES						
L0012191	0	0.33720E-08	653699.5	4183032.5	7.6	3.15	4.05
2.93	YES						
L0012192	0	0.33720E-08	653695.2	4183025.0	7.5	3.15	4.05
2.93	YES						
L0012193	0	0.33720E-08	653690.9	4183017.4	7.5	3.15	4.05
2.93	YES						
L0012194	0	0.33720E-08	653686.6	4183009.8	7.5	3.15	4.05
2.93	YES						
L0012195	0	0.33720E-08	653682.4	4183002.2	7.5	3.15	4.05
2.93	YES						
L0012196	0	0.33720E-08	653678.1	4182994.6	7.4	3.15	4.05
2.93	YES						
L0012197	0	0.33720E-08	653673.9	4182987.0	7.4	3.15	4.05
2.93	YES						
L0012198	0	0.33720E-08	653669.6	4182979.4	7.3	3.15	4.05
2.93	YES						
L0012199	0	0.33720E-08	653665.4	4182971.8	7.3	3.15	4.05
2.93	YES						
L0012200	0	0.33720E-08	653661.1	4182964.2	7.3	3.15	4.05
2.93	YES						
L0012201	0	0.33720E-08	653655.2	4182958.0	7.2	3.15	4.05
2.93	YES						
L0012202	0	0.33720E-08	653648.2	4182952.9	7.2	3.15	4.05
2.93	YES						
L0012203	0	0.33720E-08	653641.1	4182947.8	7.2	3.15	4.05
2.93	YES						
L0012204	0	0.33720E-08	653634.1	4182942.7	7.1	3.15	4.05
2.93	YES						
L0012205	0	0.33720E-08	653627.2	4182937.3	7.1	3.15	4.05
2.93	YES						
L0012206	0	0.33720E-08	653620.3	4182932.0	7.1	3.15	4.05
2.93	YES						
L0012207	0	0.18360E-06	653716.0	4182828.5	7.0	3.15	4.05
2.93	YES						
L0012208	0	0.18360E-06	653720.8	4182835.8	7.0	3.15	4.05
2.93	YES						
L0012209	0	0.18360E-06	653725.1	4182843.3	7.0	3.15	4.05
2.93	YES						

L0012210 0 0.18360E-06 653729.5 4182850.8 7.0 3.15 4.05
 2.93 YES
 L0012211 0 0.18360E-06 653734.0 4182858.3 7.1 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0012212	0	0.18360E-06	653739.4	4182865.2	7.1	3.15	4.05
2.93	YES						
L0012213	0	0.18360E-06	653745.0	4182871.8	7.1	3.15	4.05
2.93	YES						
L0012214	0	0.18360E-06	653750.7	4182878.4	7.1	3.15	4.05
2.93	YES						
L0012215	0	0.18360E-06	653757.6	4182883.6	7.2	3.15	4.05
2.93	YES						
L0012216	0	0.18360E-06	653766.0	4182883.3	7.2	3.15	4.05
2.93	YES						
L0012217	0	0.18360E-06	653773.1	4182878.9	7.2	3.15	4.05
2.93	YES						
L0012218	0	0.18360E-06	653777.5	4182871.5	7.2	3.15	4.05
2.93	YES						
L0012219	0	0.18360E-06	653778.9	4182863.0	7.2	3.15	4.05
2.93	YES						
L0012220	0	0.18360E-06	653778.9	4182854.3	7.1	3.15	4.05
2.93	YES						
L0012221	0	0.18360E-06	653779.1	4182845.6	7.1	3.15	4.05
2.93	YES						
L0012222	0	0.18360E-06	653779.3	4182836.9	7.1	3.15	4.05
2.93	YES						
L0012223	0	0.18360E-06	653780.8	4182828.3	7.1	3.15	4.05
2.93	YES						
L0012224	0	0.18360E-06	653782.8	4182819.9	7.0	3.15	4.05
2.93	YES						

L0012225	0	0.18360E-06	653783.8	4182811.3	7.0	3.15	4.05
2.93	YES						
L0012226	0	0.18360E-06	653782.4	4182802.8	7.0	3.15	4.05
2.93	YES						
L0012227	0	0.18360E-06	653780.1	4182794.4	7.0	3.15	4.05
2.93	YES						
L0012228	0	0.18360E-06	653777.4	4182786.1	6.9	3.15	4.05
2.93	YES						
L0012229	0	0.59500E-06	654306.2	4183242.5	8.4	3.15	4.05
2.93	YES						
L0012230	0	0.59500E-06	654314.9	4183241.6	8.4	3.15	4.05
2.93	YES						
L0012231	0	0.59500E-06	654323.6	4183240.7	8.4	3.15	4.05
2.93	YES						
L0012232	0	0.59500E-06	654332.2	4183239.7	8.4	3.15	4.05
2.93	YES						
L0012233	0	0.59500E-06	654340.9	4183238.8	8.4	3.15	4.05
2.93	YES						
L0012234	0	0.59500E-06	654349.5	4183237.9	8.4	3.15	4.05
2.93	YES						
L0012235	0	0.59500E-06	654358.2	4183237.3	8.4	3.15	4.05
2.93	YES						
L0012236	0	0.59500E-06	654366.9	4183237.1	8.4	3.15	4.05
2.93	YES						
L0012237	0	0.59500E-06	654375.6	4183237.0	8.4	3.15	4.05
2.93	YES						
L0012238	0	0.59500E-06	654384.3	4183236.8	8.4	3.15	4.05
2.93	YES						
L0012239	0	0.59500E-06	654393.0	4183236.7	8.4	3.15	4.05
2.93	YES						
L0012240	0	0.59500E-06	654401.8	4183236.6	8.4	3.15	4.05
2.93	YES						
L0012241	0	0.59500E-06	654410.5	4183236.4	8.4	3.15	4.05
2.93	YES						
L0012242	0	0.59500E-06	654419.2	4183236.3	8.4	3.15	4.05
2.93	YES						
L0012243	0	0.59500E-06	654427.9	4183236.2	8.4	3.15	4.05
2.93	YES						
L0012244	0	0.59500E-06	654436.6	4183236.0	8.4	3.15	4.05
2.93	YES						
L0012245	0	0.59500E-06	654445.3	4183235.9	8.4	3.15	4.05
2.93	YES						
L0012246	0	0.59500E-06	654454.0	4183235.7	8.4	3.15	4.05
2.93	YES						
L0012247	0	0.59500E-06	654462.7	4183235.6	8.4	3.15	4.05
2.93	YES						
L0012248	0	0.59500E-06	654471.4	4183235.5	8.4	3.15	4.05
2.93	YES						
L0012249	0	0.59500E-06	654480.1	4183235.4	8.4	3.15	4.05
2.93	YES						

L0012265	0	0.59500E-06	654619.5	4183235.9	8.4	3.15	4.05
2.93	YES						
L0012266	0	0.59500E-06	654628.2	4183236.0	8.4	3.15	4.05
2.93	YES						
L0012267	0	0.59500E-06	654636.9	4183236.3	8.4	3.15	4.05
2.93	YES						
L0012268	0	0.59500E-06	654645.6	4183236.5	8.4	3.15	4.05
2.93	YES						
L0012269	0	0.59500E-06	654654.3	4183236.7	8.4	3.15	4.05
2.93	YES						
L0012270	0	0.59500E-06	654663.0	4183236.9	8.4	3.15	4.05
2.93	YES						
L0012271	0	0.59500E-06	654671.7	4183237.1	8.4	3.15	4.05
2.93	YES						
L0012272	0	0.59500E-06	654680.4	4183237.4	8.4	3.15	4.05
2.93	YES						
L0012273	0	0.59500E-06	654689.2	4183237.6	8.4	3.15	4.05
2.93	YES						
L0012274	0	0.59500E-06	654697.9	4183237.8	8.4	3.15	4.05
2.93	YES						
L0012275	0	0.59500E-06	654706.6	4183238.0	8.4	3.15	4.05
2.93	YES						
L0012276	0	0.59500E-06	654715.3	4183238.2	8.4	3.15	4.05
2.93	YES						
L0012277	0	0.59500E-06	654724.0	4183238.5	8.4	3.15	4.05
2.93	YES						
L0012278	0	0.59500E-06	654732.7	4183238.7	8.4	3.15	4.05
2.93	YES						
L0012279	0	0.59500E-06	654741.4	4183238.9	8.5	3.15	4.05
2.93	YES						
L0012280	0	0.59500E-06	654750.1	4183239.1	8.5	3.15	4.05
2.93	YES						
L0012281	0	0.59500E-06	654758.8	4183239.3	8.5	3.15	4.05
2.93	YES						
L0012282	0	0.59500E-06	654767.5	4183239.6	8.5	3.15	4.05
2.93	YES						
L0012283	0	0.59500E-06	654776.2	4183239.8	8.5	3.15	4.05
2.93	YES						
L0012284	0	0.59500E-06	654784.9	4183240.0	8.5	3.15	4.05
2.93	YES						
L0012285	0	0.59500E-06	654793.6	4183240.2	8.5	3.15	4.05
2.93	YES						
L0012286	0	0.59500E-06	654802.4	4183240.4	8.5	3.15	4.05
2.93	YES						
L0012287	0	0.59500E-06	654811.1	4183240.7	8.5	3.15	4.05
2.93	YES						
L0012288	0	0.59500E-06	654819.8	4183240.9	8.5	3.15	4.05
2.93	YES						
L0012289	0	0.59500E-06	654828.5	4183241.1	8.5	3.15	4.05
2.93	YES						

L0012290 0 0.59500E-06 654837.2 4183241.3 8.5 3.15 4.05
 2.93 YES
 L0012291 0 0.59500E-06 654845.9 4183241.5 8.5 3.15 4.05
 2.93 YES

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*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0012292	0	0.59500E-06	654854.6	4183241.8		8.5	3.15	4.05
2.93	YES							
L0012293	0	0.59500E-06	654863.3	4183242.0		8.5	3.15	4.05
2.93	YES							
L0012294	0	0.59500E-06	654872.0	4183242.2		8.5	3.15	4.05
2.93	YES							
L0012295	0	0.59500E-06	654880.7	4183242.4		8.5	3.15	4.05
2.93	YES							
L0012296	0	0.59500E-06	654889.4	4183242.6		8.5	3.15	4.05
2.93	YES							
L0012297	0	0.59500E-06	654898.1	4183242.9		8.5	3.15	4.05
2.93	YES							
L0012298	0	0.59500E-06	654906.8	4183243.1		8.5	3.15	4.05
2.93	YES							
L0012299	0	0.59500E-06	654915.5	4183243.3		8.5	3.15	4.05
2.93	YES							
L0012300	0	0.59500E-06	654924.3	4183243.5		8.5	3.15	4.05
2.93	YES							
L0012301	0	0.59500E-06	654933.0	4183243.8		8.5	3.15	4.05
2.93	YES							
L0012302	0	0.59500E-06	654941.7	4183244.0		8.5	3.15	4.05
2.93	YES							
L0012303	0	0.59500E-06	654950.4	4183244.2		8.5	3.15	4.05
2.93	YES							
L0012304	0	0.59500E-06	654959.1	4183244.3		8.5	3.15	4.05
2.93	YES							

L0012305	0	0.59500E-06	654967.8	4183244.4	8.5	3.15	4.05
2.93	YES						
L0012306	0	0.59500E-06	654976.5	4183244.5	8.5	3.15	4.05
2.93	YES						
L0012307	0	0.59500E-06	654985.2	4183244.6	8.6	3.15	4.05
2.93	YES						
L0012308	0	0.59500E-06	654993.9	4183244.8	8.6	3.15	4.05
2.93	YES						
L0012309	0	0.59500E-06	655002.6	4183244.9	8.6	3.15	4.05
2.93	YES						
L0012310	0	0.59500E-06	655011.3	4183245.0	8.6	3.15	4.05
2.93	YES						
L0012311	0	0.59500E-06	655020.0	4183245.1	8.6	3.15	4.05
2.93	YES						
L0012312	0	0.59500E-06	655028.8	4183245.2	8.6	3.15	4.05
2.93	YES						
L0012313	0	0.59500E-06	655037.5	4183245.3	8.6	3.15	4.05
2.93	YES						
L0012314	0	0.59500E-06	655046.2	4183245.4	8.6	3.15	4.05
2.93	YES						
L0012315	0	0.59500E-06	655054.9	4183245.5	8.6	3.15	4.05
2.93	YES						
L0012316	0	0.59500E-06	655063.6	4183245.6	8.6	3.15	4.05
2.93	YES						
L0012317	0	0.59500E-06	655072.3	4183245.7	8.6	3.15	4.05
2.93	YES						
L0012318	0	0.59500E-06	655081.0	4183245.9	8.6	3.15	4.05
2.93	YES						
L0012319	0	0.59500E-06	655089.7	4183246.0	8.6	3.15	4.05
2.93	YES						
L0012320	0	0.59500E-06	655098.4	4183246.1	8.6	3.15	4.05
2.93	YES						
L0012321	0	0.59500E-06	655107.1	4183246.2	8.6	3.15	4.05
2.93	YES						
L0012322	0	0.59500E-06	655115.8	4183246.3	8.6	3.15	4.05
2.93	YES						
L0012323	0	0.59500E-06	655124.6	4183246.6	8.6	3.15	4.05
2.93	YES						
L0012324	0	0.59500E-06	655133.3	4183246.8	8.6	3.15	4.05
2.93	YES						
L0012325	0	0.59500E-06	655142.0	4183247.0	8.6	3.15	4.05
2.93	YES						
L0012326	0	0.59500E-06	655150.7	4183247.2	8.6	3.15	4.05
2.93	YES						
L0012327	0	0.59500E-06	655159.4	4183247.4	8.6	3.15	4.05
2.93	YES						
L0012328	0	0.59500E-06	655168.1	4183247.6	8.6	3.15	4.05
2.93	YES						
L0012329	0	0.59500E-06	655176.8	4183247.9	8.6	3.15	4.05
2.93	YES						

L0012330 0 0.59500E-06 655185.5 4183248.1 8.7 3.15 4.05
 2.93 YES
 L0012331 0 0.59500E-06 655194.2 4183248.3 8.7 3.15 4.05
 2.93 YES

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*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
	SCALAR	PART.	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY			(METERS)	(METERS)	(METERS)	(METERS)

L0012332	0	0.59500E-06	655202.9	4183248.5	8.7	3.15	4.05
2.93	YES						
L0012333	0	0.59500E-06	655211.6	4183248.7	8.7	3.15	4.05
2.93	YES						
L0012334	0	0.59500E-06	655220.3	4183248.9	8.7	3.15	4.05
2.93	YES						
L0012335	0	0.59500E-06	655229.0	4183249.2	8.7	3.15	4.05
2.93	YES						
L0012336	0	0.59500E-06	655237.8	4183249.4	8.7	3.15	4.05
2.93	YES						
L0012337	0	0.59500E-06	655246.5	4183249.6	8.7	3.15	4.05
2.93	YES						
L0012338	0	0.59500E-06	655255.2	4183249.8	8.7	3.15	4.05
2.93	YES						
L0012339	0	0.59500E-06	655263.9	4183250.0	8.7	3.15	4.05
2.93	YES						
L0012340	0	0.59500E-06	655272.6	4183250.2	8.7	3.15	4.05
2.93	YES						
L0012341	0	0.59500E-06	655281.3	4183250.5	8.7	3.15	4.05
2.93	YES						
L0012342	0	0.59500E-06	655290.0	4183250.7	8.8	3.15	4.05
2.93	YES						
L0012343	0	0.59500E-06	655298.7	4183250.9	8.8	3.15	4.05
2.93	YES						
L0012344	0	0.59500E-06	655307.4	4183251.1	8.8	3.15	4.05
2.93	YES						

L0012345	0	0.59500E-06	655316.1	4183251.3	8.8	3.15	4.05
2.93	YES						
L0012346	0	0.59500E-06	655324.8	4183251.5	8.8	3.15	4.05
2.93	YES						
L0012347	0	0.59500E-06	655333.5	4183251.8	8.8	3.15	4.05
2.93	YES						
L0012348	0	0.59500E-06	655342.2	4183252.0	8.8	3.15	4.05
2.93	YES						
L0012349	0	0.59500E-06	655350.9	4183252.2	8.8	3.15	4.05
2.93	YES						
L0012350	0	0.59500E-06	655359.7	4183252.4	8.8	3.15	4.05
2.93	YES						
L0012351	0	0.59500E-06	655368.4	4183252.6	8.8	3.15	4.05
2.93	YES						
L0012352	0	0.59500E-06	655377.1	4183252.8	8.8	3.15	4.05
2.93	YES						
L0012353	0	0.59500E-06	655385.8	4183253.1	8.8	3.15	4.05
2.93	YES						
L0012354	0	0.59500E-06	655394.5	4183253.3	8.8	3.15	4.05
2.93	YES						
L0012355	0	0.59500E-06	655403.2	4183253.5	8.8	3.15	4.05
2.93	YES						
L0012356	0	0.59500E-06	655411.9	4183253.7	8.8	3.15	4.05
2.93	YES						
L0012357	0	0.59500E-06	655420.6	4183253.9	8.8	3.15	4.05
2.93	YES						
L0012358	0	0.59500E-06	655429.3	4183254.1	8.8	3.15	4.05
2.93	YES						
L0012359	0	0.59500E-06	655438.0	4183254.4	8.8	3.15	4.05
2.93	YES						
L0012360	0	0.59500E-06	655446.7	4183254.6	8.8	3.15	4.05
2.93	YES						
L0012361	0	0.59500E-06	655455.4	4183254.8	8.8	3.15	4.05
2.93	YES						
L0012362	0	0.59500E-06	655464.1	4183255.0	8.8	3.15	4.05
2.93	YES						
L0012363	0	0.59500E-06	655472.8	4183255.3	8.8	3.15	4.05
2.93	YES						
L0012364	0	0.59500E-06	655481.6	4183255.5	8.8	3.15	4.05
2.93	YES						
L0012365	0	0.59500E-06	655490.3	4183255.8	8.8	3.15	4.05
2.93	YES						
L0012366	0	0.59500E-06	655499.0	4183256.0	8.8	3.15	4.05
2.93	YES						
L0012367	0	0.59500E-06	655507.7	4183256.2	8.8	3.15	4.05
2.93	YES						
L0012368	0	0.59500E-06	655516.4	4183256.5	8.9	3.15	4.05
2.93	YES						
L0012369	0	0.59500E-06	655525.1	4183256.7	8.9	3.15	4.05
2.93	YES						

L0012370 0 0.59500E-06 655533.8 4183257.0 8.9 3.15 4.05
 2.93 YES
 L0012371 0 0.59500E-06 655542.5 4183257.2 9.0 3.15 4.05
 2.93 YES

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*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0012372	0	0.59500E-06	655551.2	4183257.4	9.1	3.15	4.05
2.93	YES						
L0012373	0	0.59500E-06	655559.9	4183257.7	9.1	3.15	4.05
2.93	YES						
L0012374	0	0.59500E-06	655568.6	4183257.9	9.2	3.15	4.05
2.93	YES						
L0012375	0	0.59500E-06	655577.3	4183258.2	9.2	3.15	4.05
2.93	YES						
L0012376	0	0.59500E-06	655586.0	4183258.4	9.2	3.15	4.05
2.93	YES						
L0012377	0	0.59500E-06	655594.7	4183258.7	9.3	3.15	4.05
2.93	YES						
L0012378	0	0.59500E-06	655603.4	4183258.9	9.3	3.15	4.05
2.93	YES						
L0012379	0	0.59500E-06	655612.2	4183259.1	9.3	3.15	4.05
2.93	YES						
L0012380	0	0.59500E-06	655620.9	4183259.4	9.3	3.15	4.05
2.93	YES						
L0012381	0	0.59500E-06	655629.6	4183259.6	9.4	3.15	4.05
2.93	YES						
L0012382	0	0.59500E-06	655638.3	4183259.9	9.4	3.15	4.05
2.93	YES						
L0012383	0	0.59500E-06	655647.0	4183260.1	9.4	3.15	4.05
2.93	YES						
L0012384	0	0.59500E-06	655655.7	4183260.3	9.4	3.15	4.05
2.93	YES						

L0012385	0	0.59500E-06	655664.4	4183260.6	9.4	3.15	4.05
2.93	YES						
L0012386	0	0.59500E-06	655673.1	4183260.8	9.5	3.15	4.05
2.93	YES						
L0012387	0	0.59500E-06	655681.8	4183261.1	9.5	3.15	4.05
2.93	YES						
L0012388	0	0.59500E-06	655690.5	4183261.3	9.5	3.15	4.05
2.93	YES						
L0012389	0	0.59500E-06	655699.2	4183261.5	9.5	3.15	4.05
2.93	YES						
L0012390	0	0.59500E-06	655707.9	4183261.8	9.6	3.15	4.05
2.93	YES						
L0012391	0	0.59500E-06	655716.6	4183262.0	9.6	3.15	4.05
2.93	YES						
L0012392	0	0.59500E-06	655725.3	4183262.3	9.6	3.15	4.05
2.93	YES						
L0012393	0	0.59500E-06	655734.0	4183262.5	9.6	3.15	4.05
2.93	YES						
L0012394	0	0.59500E-06	655742.8	4183262.7	9.7	3.15	4.05
2.93	YES						
L0012395	0	0.59500E-06	655751.5	4183263.0	9.7	3.15	4.05
2.93	YES						
L0012396	0	0.59500E-06	655760.2	4183263.2	9.7	3.15	4.05
2.93	YES						
L0012397	0	0.59500E-06	655768.9	4183263.5	9.7	3.15	4.05
2.93	YES						
L0012398	0	0.59500E-06	655777.6	4183263.7	9.8	3.15	4.05
2.93	YES						
L0012399	0	0.59500E-06	655786.3	4183263.9	9.8	3.15	4.05
2.93	YES						
L0012400	0	0.59500E-06	655795.0	4183264.2	9.8	3.15	4.05
2.93	YES						
L0012401	0	0.59500E-06	655803.7	4183264.4	9.8	3.15	4.05
2.93	YES						
L0012402	0	0.59500E-06	655812.4	4183264.7	9.9	3.15	4.05
2.93	YES						
L0012403	0	0.59500E-06	655821.1	4183264.9	9.9	3.15	4.05
2.93	YES						
L0012404	0	0.59500E-06	655829.8	4183265.1	9.9	3.15	4.05
2.93	YES						
L0012405	0	0.59500E-06	655838.5	4183265.4	9.9	3.15	4.05
2.93	YES						
L0012406	0	0.59500E-06	655847.2	4183265.6	10.0	3.15	4.05
2.93	YES						
L0012407	0	0.59500E-06	655855.9	4183265.9	10.0	3.15	4.05
2.93	YES						
L0012408	0	0.59500E-06	655864.6	4183266.1	10.0	3.15	4.05
2.93	YES						
L0012409	0	0.59500E-06	655873.4	4183266.3	10.0	3.15	4.05
2.93	YES						

L0012410 0 0.59500E-06 655882.1 4183266.6 10.0 3.15 4.05
 2.93 YES
 L0012411 0 0.59500E-06 655890.8 4183266.8 10.1 3.15 4.05
 2.93 YES

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0012412	0	0.59500E-06	655899.5	4183267.1	10.1	3.15	4.05
2.93	YES						
L0012413	0	0.59500E-06	655908.2	4183267.3	10.1	3.15	4.05
2.93	YES						
L0012414	0	0.59500E-06	655916.9	4183267.5	10.1	3.15	4.05
2.93	YES						
L0012415	0	0.59500E-06	655925.6	4183267.8	10.1	3.15	4.05
2.93	YES						
L0012416	0	0.59500E-06	655934.3	4183268.0	10.1	3.15	4.05
2.93	YES						
L0012417	0	0.59500E-06	655943.0	4183268.3	10.2	3.15	4.05
2.93	YES						
L0012418	0	0.59500E-06	655951.7	4183268.5	10.2	3.15	4.05
2.93	YES						
L0012419	0	0.59500E-06	655960.4	4183268.7	10.2	3.15	4.05
2.93	YES						
L0012420	0	0.59500E-06	655969.1	4183269.0	10.2	3.15	4.05
2.93	YES						
L0012421	0	0.59500E-06	655977.8	4183269.2	10.2	3.15	4.05
2.93	YES						
L0012422	0	0.59500E-06	655986.5	4183269.5	10.2	3.15	4.05
2.93	YES						
L0012423	0	0.59500E-06	655995.2	4183269.7	10.3	3.15	4.05
2.93	YES						
L0012424	0	0.59500E-06	656004.0	4183269.9	10.3	3.15	4.05
2.93	YES						

L0012425	0	0.59500E-06	656012.7	4183270.2	10.3	3.15	4.05
2.93	YES						
L0012426	0	0.59500E-06	656021.4	4183270.4	10.3	3.15	4.05
2.93	YES						
L0012427	0	0.59500E-06	656030.1	4183270.7	10.3	3.15	4.05
2.93	YES						
L0012428	0	0.59500E-06	656038.8	4183270.9	10.3	3.15	4.05
2.93	YES						
L0012429	0	0.27600E-06	654297.4	4183243.3	8.4	3.15	4.05
2.93	YES						
L0012430	0	0.27600E-06	654288.8	4183244.1	8.4	3.15	4.05
2.93	YES						
L0012431	0	0.27600E-06	654280.1	4183245.4	8.4	3.15	4.05
2.93	YES						
L0012432	0	0.27600E-06	654271.6	4183247.0	8.4	3.15	4.05
2.93	YES						
L0012433	0	0.27600E-06	654263.0	4183248.6	8.4	3.15	4.05
2.93	YES						
L0012434	0	0.27600E-06	654254.5	4183250.2	8.4	3.15	4.05
2.93	YES						
L0012435	0	0.27600E-06	654246.1	4183252.6	8.4	3.15	4.05
2.93	YES						
L0012436	0	0.27600E-06	654237.8	4183255.3	8.4	3.15	4.05
2.93	YES						
L0012437	0	0.27600E-06	654229.6	4183258.1	8.4	3.15	4.05
2.93	YES						
L0012438	0	0.27600E-06	654221.3	4183260.8	8.4	3.15	4.05
2.93	YES						
L0012439	0	0.27600E-06	654213.1	4183263.7	8.4	3.15	4.05
2.93	YES						
L0012440	0	0.27600E-06	654205.1	4183267.2	8.4	3.15	4.05
2.93	YES						
L0012441	0	0.27600E-06	654197.2	4183270.7	8.4	3.15	4.05
2.93	YES						
L0012442	0	0.27600E-06	654189.4	4183274.6	8.4	3.15	4.05
2.93	YES						
L0012443	0	0.27600E-06	654181.7	4183278.8	8.4	3.15	4.05
2.93	YES						
L0012444	0	0.27600E-06	654174.0	4183282.9	8.4	3.15	4.05
2.93	YES						
L0012445	0	0.27600E-06	654166.4	4183287.0	8.4	3.15	4.05
2.93	YES						
L0012446	0	0.27600E-06	654158.7	4183291.1	8.4	3.15	4.05
2.93	YES						
L0012447	0	0.27600E-06	654151.0	4183295.3	8.4	3.15	4.05
2.93	YES						
L0012448	0	0.27600E-06	654143.4	4183299.4	8.4	3.15	4.05
2.93	YES						
L0012449	0	0.27600E-06	654135.7	4183303.5	8.4	3.15	4.05
2.93	YES						

L0012450 0 0.27600E-06 654128.0 4183307.7 8.4 3.15 4.05
 2.93 YES
 L0012451 0 0.27600E-06 654120.5 4183312.1 8.4 3.15 4.05
 2.93 YES

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0012452	0	0.27600E-06	654113.1	4183316.6		8.4	3.15	4.05
2.93	YES							
L0012453	0	0.27600E-06	654105.7	4183321.2		8.4	3.15	4.05
2.93	YES							
L0012454	0	0.27600E-06	654098.2	4183325.7		8.4	3.15	4.05
2.93	YES							
L0012455	0	0.27600E-06	654090.7	4183330.0		8.4	3.15	4.05
2.93	YES							
L0012456	0	0.27600E-06	654083.1	4183334.3		8.4	3.15	4.05
2.93	YES							
L0012457	0	0.27600E-06	654075.5	4183338.6		8.4	3.15	4.05
2.93	YES							
L0012458	0	0.27600E-06	654067.9	4183342.9		8.4	3.15	4.05
2.93	YES							
L0012459	0	0.27600E-06	654060.4	4183347.2		8.4	3.15	4.05
2.93	YES							
L0012460	0	0.27600E-06	654052.8	4183351.5		8.4	3.15	4.05
2.93	YES							
L0012461	0	0.27600E-06	654045.2	4183355.8		8.4	3.15	4.05
2.93	YES							
L0012462	0	0.27600E-06	654037.6	4183360.1		8.4	3.15	4.05
2.93	YES							
L0012463	0	0.27600E-06	654030.0	4183364.4		8.4	3.15	4.05
2.93	YES							
L0012464	0	0.27600E-06	654022.5	4183368.7		8.4	3.15	4.05
2.93	YES							

L0012465	0	0.27600E-06	654014.9	4183372.9	8.4	3.15	4.05
2.93	YES						
L0012466	0	0.27600E-06	654007.3	4183377.2	8.4	3.15	4.05
2.93	YES						
L0012467	0	0.27600E-06	653999.7	4183381.5	8.4	3.15	4.05
2.93	YES						
L0012468	0	0.27600E-06	653992.1	4183385.8	8.4	3.15	4.05
2.93	YES						
L0012469	0	0.27600E-06	653984.6	4183390.1	8.4	3.15	4.05
2.93	YES						
L0012470	0	0.27600E-06	653977.0	4183394.4	8.4	3.15	4.05
2.93	YES						
L0012471	0	0.27600E-06	653969.4	4183398.7	8.4	3.15	4.05
2.93	YES						
L0012472	0	0.27600E-06	653961.8	4183403.0	8.4	3.15	4.05
2.93	YES						
L0012473	0	0.27600E-06	653954.2	4183407.3	8.3	3.15	4.05
2.93	YES						
L0012474	0	0.27600E-06	653946.6	4183411.4	8.3	3.15	4.05
2.93	YES						
L0012475	0	0.27600E-06	653938.9	4183415.5	8.3	3.15	4.05
2.93	YES						
L0012476	0	0.27600E-06	653931.2	4183419.6	8.3	3.15	4.05
2.93	YES						
L0012477	0	0.27600E-06	653923.4	4183423.5	8.3	3.15	4.05
2.93	YES						
L0012478	0	0.27600E-06	653914.9	4183424.8	8.3	3.15	4.05
2.93	YES						

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs									
-----	-----									
ALL	L0011332	,	L0011333	,	L0011334	,	L0011335	,	L0011336	,
L0011337	,	L0011338	,	L0011339	,					
	L0011340	,	L0011341	,	L0011342	,	L0011343	,	L0011344	,
L0011345	,	L0011346	,	L0011347	,					
	L0011348	,	L0011349	,	L0011350	,	L0011351	,	L0011352	,

L0011353 , L0011354 , L0011355 ,
L0011361 L0011356 , L0011357 , L0011358 , L0011359 , L0011360 ,
, L0011362 , L0011363 ,
L0011369 L0011364 , L0011365 , L0011366 , L0011367 , L0011368 ,
, L0011370 , L0011371 ,
L0011377 L0011372 , L0011373 , L0011374 , L0011375 , L0011376 ,
, L0011378 , L0011379 ,
L0011385 L0011380 , L0011381 , L0011382 , L0011383 , L0011384 ,
, L0011386 , L0011387 ,
L0011393 L0011388 , L0011389 , L0011390 , L0011391 , L0011392 ,
, L0011394 , L0011395 ,
L0011401 L0011396 , L0011397 , L0011398 , L0011399 , L0011400 ,
, L0011402 , L0011403 ,
L0011409 L0011404 , L0011405 , L0011406 , L0011407 , L0011408 ,
, L0011410 , L0011411 ,
L0011417 L0011412 , L0011413 , L0011414 , L0011415 , L0011416 ,
, L0011418 , L0011419 ,
L0011425 L0011420 , L0011421 , L0011422 , L0011423 , L0011424 ,
, L0011426 , L0011427 ,
L0011433 L0011428 , L0011429 , L0011430 , L0011431 , L0011432 ,
, L0011434 , L0011435 ,
L0011441 L0011436 , L0011437 , L0011438 , L0011439 , L0011440 ,
, L0011442 , L0011443 ,
L0011449 L0011444 , L0011445 , L0011446 , L0011447 , L0011448 ,
, L0011450 , L0011451 ,
L0011457 L0011452 , L0011453 , L0011454 , L0011455 , L0011456 ,
, L0011458 , L0011459 ,
L0011465 L0011460 , L0011461 , L0011462 , L0011463 , L0011464 ,
, L0011466 , L0011467 ,
L0011473 L0011468 , L0011469 , L0011470 , L0011471 , L0011472 ,
, L0011474 , L0011475 ,
L0011481 L0011476 , L0011477 , L0011478 , L0011479 , L0011480 ,
, L0011482 , L0011483 ,

L0011484 , L0011485 , L0011486 , L0011487 , L0011488 ,
 L0011489 , L0011490 , L0011491 ,
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0011497	L0011492 , L0011493 , L0011494 , L0011495 , L0011496 , , L0011498 , L0011499 ,
L0011505	L0011500 , L0011501 , L0011502 , L0011503 , L0011504 , , L0011506 , L0011507 ,
L0011513	L0011508 , L0011509 , L0011510 , L0011511 , L0011512 , , L0011514 , L0011515 ,
L0011521	L0011516 , L0011517 , L0011518 , L0011519 , L0011520 , , L0011522 , L0011523 ,
L0011529	L0011524 , L0011525 , L0011526 , L0011527 , L0011528 , , L0011530 , L0011531 ,
L0011537	L0011532 , L0011533 , L0011534 , L0011535 , L0011536 , , L0011538 , L0011539 ,
L0011545	L0011540 , L0011541 , L0011542 , L0011543 , L0011544 , , L0011546 , L0011547 ,
L0011553	L0011548 , L0011549 , L0011550 , L0011551 , L0011552 , , L0011554 , L0011555 ,
L0011561	L0011556 , L0011557 , L0011558 , L0011559 , L0011560 , , L0011562 , L0011563 ,
L0011569	L0011564 , L0011565 , L0011566 , L0011567 , L0011568 , , L0011570 , L0011571 ,
L0011577	L0011572 , L0011573 , L0011574 , L0011575 , L0011576 , , L0011578 , L0011579 ,

L0011585 L0011580 , L0011581 , L0011582 , L0011583 , L0011584 ,
 , L0011586 , L0011587 ,

 L0011593 L0011588 , L0011589 , L0011590 , L0011591 , L0011592 ,
 , L0011594 , L0011595 ,

 L0011601 L0011596 , L0011597 , L0011598 , L0011599 , L0011600 ,
 , L0011602 , L0011603 ,

 L0011609 L0011604 , L0011605 , L0011606 , L0011607 , L0011608 ,
 , L0011610 , L0011611 ,

 L0011617 L0011612 , L0011613 , L0011614 , L0011615 , L0011616 ,
 , L0011618 , L0011619 ,

 L0011625 L0011620 , L0011621 , L0011622 , L0011623 , L0011624 ,
 , L0011626 , L0011627 ,

 L0011633 L0011628 , L0011629 , L0011630 , L0011631 , L0011632 ,
 , L0011634 , L0011635 ,

 L0011641 L0011636 , L0011637 , L0011638 , L0011639 , L0011640 ,
 , L0011642 , L0011643 ,

 L0011649 L0011644 , L0011645 , L0011646 , L0011647 , L0011648 ,
 , L0011650 , L0011651 ,
 ▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0011657	L0011652 , L0011653 , L0011654 , L0011655 , L0011656 , , L0011658 , L0011659 ,
L0011665	L0011660 , L0011661 , L0011662 , L0011663 , L0011664 , , L0011666 , L0011667 ,
L0011673	L0011668 , L0011669 , L0011670 , L0011671 , L0011672 , , L0011674 , L0011675 ,

L0011681 L0011676 , L0011677 , L0011678 , L0011679 , L0011680 ,
, L0011682 , L0011683 , ,

L0011689 L0011684 , L0011685 , L0011686 , L0011687 , L0011688 ,
, L0011690 , L0011691 , ,

L0011697 L0011692 , L0011693 , L0011694 , L0011695 , L0011696 ,
, L0011698 , L0011699 , ,

L0011705 L0011700 , L0011701 , L0011702 , L0011703 , L0011704 ,
, L0011706 , L0011707 , ,

L0011713 L0011708 , L0011709 , L0011710 , L0011711 , L0011712 ,
, L0011714 , L0011715 , ,

L0011721 L0011716 , L0011717 , L0011718 , L0011719 , L0011720 ,
, L0011722 , L0011723 , ,

L0011729 L0011724 , L0011725 , L0011726 , L0011727 , L0011728 ,
, L0011730 , L0011731 , ,

L0011737 L0011732 , L0011733 , L0011734 , L0011735 , L0011736 ,
, L0011738 , L0011739 , ,

L0011745 L0011740 , L0011741 , L0011742 , L0011743 , L0011744 ,
, L0011746 , L0011747 , ,

L0011753 L0011748 , L0011749 , L0011750 , L0011751 , L0011752 ,
, L0011754 , L0011755 , ,

L0011761 L0011756 , L0011757 , L0011758 , L0011759 , L0011760 ,
, L0011762 , L0011763 , ,

L0011769 L0011764 , L0011765 , L0011766 , L0011767 , L0011768 ,
, L0011770 , L0011771 , ,

L0011777 L0011772 , L0011773 , L0011774 , L0011775 , L0011776 ,
, L0011778 , L0011779 , ,

L0011785 L0011780 , L0011781 , L0011782 , L0011783 , L0011784 ,
, L0011786 , L0011787 , ,

L0011793 L0011788 , L0011789 , L0011790 , L0011791 , L0011792 ,
, L0011794 , L0011795 , ,

L0011801 L0011796 , L0011797 , L0011798 , L0011799 , L0011800 ,
, L0011802 , L0011803 , ,

L0011809 L0011804 , L0011805 , L0011806 , L0011807 , L0011808 ,
, L0011810 , L0011811 , ,

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0011817	L0011812	, L0011813	, L0011814	, L0011815	, L0011816	,
	, L0011818	, L0011819	,			
L0011825	L0011820	, L0011821	, L0011822	, L0011823	, L0011824	,
	, L0011826	, L0011827	,			
L0011833	L0011828	, L0011829	, L0011830	, L0011831	, L0011832	,
	, L0011834	, L0011835	,			
L0011841	L0011836	, L0011837	, L0011838	, L0011839	, L0011840	,
	, L0011842	, L0011843	,			
L0011849	L0011844	, L0011845	, L0011846	, L0011847	, L0011848	,
	, L0011850	, L0011851	,			
L0011857	L0011852	, L0011853	, L0011854	, L0011855	, L0011856	,
	, L0011858	, L0011859	,			
L0011865	L0011860	, L0011861	, L0011862	, L0011863	, L0011864	,
	, L0011866	, L0011867	,			
L0011873	L0011868	, L0011869	, L0011870	, L0011871	, L0011872	,
	, L0011874	, L0011875	,			
L0011881	L0011876	, L0011877	, L0011878	, L0011879	, L0011880	,
	, L0011882	, L0011883	,			
L0011889	L0011884	, L0011885	, L0011886	, L0011887	, L0011888	,
	, L0011890	, L0011891	,			
L0011897	L0011892	, L0011893	, L0011894	, L0011895	, L0011896	,
	, L0011898	, L0011899	,			
L0011905	L0011900	, L0011901	, L0011902	, L0011903	, L0011904	,
	, L0011906	, L0011907	,			

L0011913 L0011908 , L0011909 , L0011910 , L0011911 , L0011912 ,
 , L0011914 , L0011915 ,

 L0011921 L0011916 , L0011917 , L0011918 , L0011919 , L0011920 ,
 , L0011922 , L0011923 ,

 L0011929 L0011924 , L0011925 , L0011926 , L0011927 , L0011928 ,
 , L0011930 , L0011931 ,

 L0011937 L0011932 , L0011933 , L0011934 , L0011935 , L0011936 ,
 , L0011938 , L0011939 ,

 L0011945 L0011940 , L0011941 , L0011942 , L0011943 , L0011944 ,
 , L0011946 , L0011947 ,

 L0011953 L0011948 , L0011949 , L0011950 , L0011951 , L0011952 ,
 , L0011954 , L0011955 ,

 L0011961 L0011956 , L0011957 , L0011958 , L0011959 , L0011960 ,
 , L0011962 , L0011963 ,

 L0011969 L0011964 , L0011965 , L0011966 , L0011967 , L0011968 ,
 , L0011970 , L0011971 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0011977	L0011972 , L0011973 , L0011974 , L0011975 , L0011976 , , L0011978 , L0011979 ,
L0011985	L0011980 , L0011981 , L0011982 , L0011983 , L0011984 , , L0011986 , L0011987 ,
L0011993	L0011988 , L0011989 , L0011990 , L0011991 , L0011992 , , L0011994 , L0011995 ,
L0012001	L0011996 , L0011997 , L0011998 , L0011999 , L0012000 , , L0012002 , L0012003 ,

L0012009 L0012004 , L0012005 , L0012006 , L0012007 , L0012008 ,
 , L0012010 , L0012011 ,

 L0012017 L0012012 , L0012013 , L0012014 , L0012015 , L0012016 ,
 , L0012018 , L0012019 ,

 L0012025 L0012020 , L0012021 , L0012022 , L0012023 , L0012024 ,
 , L0012026 , L0012027 ,

 L0012033 L0012028 , L0012029 , L0012030 , L0012031 , L0012032 ,
 , L0012034 , L0012035 ,

 L0012041 L0012036 , L0012037 , L0012038 , L0012039 , L0012040 ,
 , L0012042 , L0012043 ,

 L0012049 L0012044 , L0012045 , L0012046 , L0012047 , L0012048 ,
 , L0012050 , L0012051 ,

 L0012057 L0012052 , L0012053 , L0012054 , L0012055 , L0012056 ,
 , L0012058 , L0012059 ,

 L0012065 L0012060 , L0012061 , L0012062 , L0012063 , L0012064 ,
 , L0012066 , L0012067 ,

 L0012073 L0012068 , L0012069 , L0012070 , L0012071 , L0012072 ,
 , L0012074 , L0012075 ,

 L0012081 L0012076 , L0012077 , L0012078 , L0012079 , L0012080 ,
 , L0012082 , L0012083 ,

 L0012089 L0012084 , L0012085 , L0012086 , L0012087 , L0012088 ,
 , L0012090 , L0012091 ,

 L0012097 L0012092 , L0012093 , L0012094 , L0012095 , L0012096 ,
 , L0012098 , L0012099 ,

 L0012105 L0012100 , L0012101 , L0012102 , L0012103 , L0012104 ,
 , L0012106 , L0012107 ,

 L0012113 L0012108 , L0012109 , L0012110 , L0012111 , L0012112 ,
 , L0012114 , L0012115 ,

 L0012121 L0012116 , L0012117 , L0012118 , L0012119 , L0012120 ,
 , L0012122 , L0012123 ,

 L0012129 L0012124 , L0012125 , L0012126 , L0012127 , L0012128 ,
 , L0012130 , L0012131 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0012137	L0012132	, L0012133	, L0012134	, L0012135	, L0012136	,
	, L0012138	, L0012139	,			
L0012145	L0012140	, L0012141	, L0012142	, L0012143	, L0012144	,
	, L0012146	, L0012147	,			
L0012153	L0012148	, L0012149	, L0012150	, L0012151	, L0012152	,
	, L0012154	, L0012155	,			
L0012161	L0012156	, L0012157	, L0012158	, L0012159	, L0012160	,
	, L0012162	, L0012163	,			
L0012169	L0012164	, L0012165	, L0012166	, L0012167	, L0012168	,
	, L0012170	, L0012171	,			
L0012177	L0012172	, L0012173	, L0012174	, L0012175	, L0012176	,
	, L0012178	, L0012179	,			
L0012185	L0012180	, L0012181	, L0012182	, L0012183	, L0012184	,
	, L0012186	, L0012187	,			
L0012193	L0012188	, L0012189	, L0012190	, L0012191	, L0012192	,
	, L0012194	, L0012195	,			
L0012201	L0012196	, L0012197	, L0012198	, L0012199	, L0012200	,
	, L0012202	, L0012203	,			
L0012209	L0012204	, L0012205	, L0012206	, L0012207	, L0012208	,
	, L0012210	, L0012211	,			
L0012217	L0012212	, L0012213	, L0012214	, L0012215	, L0012216	,
	, L0012218	, L0012219	,			
L0012225	L0012220	, L0012221	, L0012222	, L0012223	, L0012224	,
	, L0012226	, L0012227	,			
	L0012228	, L0012229	, L0012230	, L0012231	, L0012232	,

L0012233 , L0012234 , L0012235 ,
 L0012241 , L0012242 , L0012243 ,
 L0012249 , L0012250 , L0012251 ,
 L0012257 , L0012258 , L0012259 ,
 L0012265 , L0012266 , L0012267 ,
 L0012273 , L0012274 , L0012275 ,
 L0012281 , L0012282 , L0012283 ,
 L0012289 , L0012290 , L0012291 ,

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0012297	L0012292 , L0012293 , L0012294 , L0012295 , L0012296 , , L0012298 , L0012299 ,
L0012305	L0012300 , L0012301 , L0012302 , L0012303 , L0012304 , , L0012306 , L0012307 ,
L0012313	L0012308 , L0012309 , L0012310 , L0012311 , L0012312 , , L0012314 , L0012315 ,
L0012321	L0012316 , L0012317 , L0012318 , L0012319 , L0012320 , , L0012322 , L0012323 ,
	L0012324 , L0012325 , L0012326 , L0012327 , L0012328 ,

L0012329 , L0012330 , L0012331 ,
 L0012332 , L0012333 , L0012334 , L0012335 , L0012336 ,
 L0012337 , L0012338 , L0012339 ,
 L0012340 , L0012341 , L0012342 , L0012343 , L0012344 ,
 L0012345 , L0012346 , L0012347 ,
 L0012348 , L0012349 , L0012350 , L0012351 , L0012352 ,
 L0012353 , L0012354 , L0012355 ,
 L0012356 , L0012357 , L0012358 , L0012359 , L0012360 ,
 L0012361 , L0012362 , L0012363 ,
 L0012364 , L0012365 , L0012366 , L0012367 , L0012368 ,
 L0012369 , L0012370 , L0012371 ,
 L0012372 , L0012373 , L0012374 , L0012375 , L0012376 ,
 L0012377 , L0012378 , L0012379 ,
 L0012380 , L0012381 , L0012382 , L0012383 , L0012384 ,
 L0012385 , L0012386 , L0012387 ,
 L0012388 , L0012389 , L0012390 , L0012391 , L0012392 ,
 L0012393 , L0012394 , L0012395 ,
 L0012396 , L0012397 , L0012398 , L0012399 , L0012400 ,
 L0012401 , L0012402 , L0012403 ,
 L0012404 , L0012405 , L0012406 , L0012407 , L0012408 ,
 L0012409 , L0012410 , L0012411 ,
 L0012412 , L0012413 , L0012414 , L0012415 , L0012416 ,
 L0012417 , L0012418 , L0012419 ,
 L0012420 , L0012421 , L0012422 , L0012423 , L0012424 ,
 L0012425 , L0012426 , L0012427 ,
 L0012428 , L0012429 , L0012430 , L0012431 , L0012432 ,
 L0012433 , L0012434 , L0012435 ,
 L0012436 , L0012437 , L0012438 , L0012439 , L0012440 ,
 L0012441 , L0012442 , L0012443 ,
 L0012444 , L0012445 , L0012446 , L0012447 , L0012448 ,
 L0012449 , L0012450 , L0012451 ,

*** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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L0012457	L0012452 , L0012453 , L0012454 , L0012455 , L0012456 , L0012457 , L0012458 , L0012459 ,
L0012465	L0012460 , L0012461 , L0012462 , L0012463 , L0012464 , L0012465 , L0012466 , L0012467 ,
L0012473	L0012468 , L0012469 , L0012470 , L0012471 , L0012472 , L0012473 , L0012474 , L0012475 ,
STCK3	L0012476 , L0012477 , L0012478 , STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,
	STCK6 ,

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0011336	762148.	L0011332 , L0011333 , L0011334 , L0011335 , L0011336 , L0011337 , L0011338 , L0011339 ,
L0011345		L0011340 , L0011341 , L0011342 , L0011343 , L0011344 , L0011345 , L0011346 , L0011347 ,
L0011353		L0011348 , L0011349 , L0011350 , L0011351 , L0011352 , L0011353 , L0011354 , L0011355 ,

L0011361 L0011356 , L0011357 , L0011358 , L0011359 , L0011360 ,
, L0011362 , L0011363 , ,

L0011369 L0011364 , L0011365 , L0011366 , L0011367 , L0011368 ,
, L0011370 , L0011371 , ,

L0011377 L0011372 , L0011373 , L0011374 , L0011375 , L0011376 ,
, L0011378 , L0011379 , ,

L0011385 L0011380 , L0011381 , L0011382 , L0011383 , L0011384 ,
, L0011386 , L0011387 , ,

L0011393 L0011388 , L0011389 , L0011390 , L0011391 , L0011392 ,
, L0011394 , L0011395 , ,

L0011401 L0011396 , L0011397 , L0011398 , L0011399 , L0011400 ,
, L0011402 , L0011403 , ,

L0011409 L0011404 , L0011405 , L0011406 , L0011407 , L0011408 ,
, L0011410 , L0011411 , ,

L0011417 L0011412 , L0011413 , L0011414 , L0011415 , L0011416 ,
, L0011418 , L0011419 , ,

L0011425 L0011420 , L0011421 , L0011422 , L0011423 , L0011424 ,
, L0011426 , L0011427 , ,

L0011433 L0011428 , L0011429 , L0011430 , L0011431 , L0011432 ,
, L0011434 , L0011435 , ,

L0011441 L0011436 , L0011437 , L0011438 , L0011439 , L0011440 ,
, L0011442 , L0011443 , ,

L0011449 L0011444 , L0011445 , L0011446 , L0011447 , L0011448 ,
, L0011450 , L0011451 , ,

L0011457 L0011452 , L0011453 , L0011454 , L0011455 , L0011456 ,
, L0011458 , L0011459 , ,

L0011465 L0011460 , L0011461 , L0011462 , L0011463 , L0011464 ,
, L0011466 , L0011467 , ,

L0011473 L0011468 , L0011469 , L0011470 , L0011471 , L0011472 ,
, L0011474 , L0011475 , ,

L0011481 L0011476 , L0011477 , L0011478 , L0011479 , L0011480 ,
, L0011482 , L0011483 , ,

L0011489 L0011484 , L0011485 , L0011486 , L0011487 , L0011488 ,
, L0011490 , L0011491 , ,

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0011497	L0011492 , L0011498	L0011493 , L0011499 , L0011494 , L0011495 , L0011496 ,
L0011505	L0011500 , L0011506	L0011501 , L0011507 , L0011502 , L0011503 , L0011504 ,
L0011513	L0011508 , L0011514	L0011509 , L0011515 , L0011510 , L0011511 , L0011512 ,
L0011521	L0011516 , L0011522	L0011517 , L0011523 , L0011518 , L0011519 , L0011520 ,
L0011529	L0011524 , L0011530	L0011525 , L0011531 , L0011526 , L0011527 , L0011528 ,
L0011537	L0011532 , L0011538	L0011533 , L0011539 , L0011534 , L0011535 , L0011536 ,
L0011545	L0011540 , L0011546	L0011541 , L0011547 , L0011542 , L0011543 , L0011544 ,
L0011553	L0011548 , L0011554	L0011549 , L0011555 , L0011550 , L0011551 , L0011552 ,
L0011561	L0011556 , L0011562	L0011557 , L0011563 , L0011558 , L0011559 , L0011560 ,
L0011569	L0011564 , L0011570	L0011565 , L0011571 , L0011566 , L0011567 , L0011568 ,
L0011577	L0011572 , L0011578	L0011573 , L0011579 , L0011574 , L0011575 , L0011576 ,
	L0011580	L0011581 , L0011582 , L0011583 , L0011584 ,

L0011585 , L0011586 , L0011587 ,
 L0011593 , L0011588 , L0011589 , L0011590 , L0011591 , L0011592 ,
 L0011601 , L0011594 , L0011595 , L0011596 , L0011597 , L0011598 , L0011599 , L0011600 ,
 L0011609 , L0011602 , L0011603 , L0011604 , L0011605 , L0011606 , L0011607 , L0011608 ,
 L0011617 , L0011610 , L0011611 , L0011612 , L0011613 , L0011614 , L0011615 , L0011616 ,
 L0011625 , L0011618 , L0011619 , L0011620 , L0011621 , L0011622 , L0011623 , L0011624 ,
 L0011633 , L0011626 , L0011627 , L0011628 , L0011629 , L0011630 , L0011631 , L0011632 ,
 L0011641 , L0011634 , L0011635 , L0011636 , L0011637 , L0011638 , L0011639 , L0011640 ,
 L0011649 , L0011642 , L0011643 , L0011644 , L0011645 , L0011646 , L0011647 , L0011648 ,
 L0011651 , L0011650 , L0011651 ,

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0011657	L0011652 , L0011653 , L0011654 , L0011655 , L0011656 , , L0011658 , L0011659 ,	
L0011665	L0011660 , L0011661 , L0011662 , L0011663 , L0011664 , , L0011666 , L0011667 ,	
L0011673	L0011668 , L0011669 , L0011670 , L0011671 , L0011672 , , L0011674 , L0011675 ,	

L0011681 L0011676 , L0011677 , L0011678 , L0011679 , L0011680 ,
 , L0011682 , L0011683 ,

L0011689 L0011684 , L0011685 , L0011686 , L0011687 , L0011688 ,
 , L0011690 , L0011691 ,

L0011697 L0011692 , L0011693 , L0011694 , L0011695 , L0011696 ,
 , L0011698 , L0011699 ,

L0011705 L0011700 , L0011701 , L0011702 , L0011703 , L0011704 ,
 , L0011706 , L0011707 ,

L0011713 L0011708 , L0011709 , L0011710 , L0011711 , L0011712 ,
 , L0011714 , L0011715 ,

L0011721 L0011716 , L0011717 , L0011718 , L0011719 , L0011720 ,
 , L0011722 , L0011723 ,

L0011729 L0011724 , L0011725 , L0011726 , L0011727 , L0011728 ,
 , L0011730 , L0011731 ,

L0011737 L0011732 , L0011733 , L0011734 , L0011735 , L0011736 ,
 , L0011738 , L0011739 ,

L0011745 L0011740 , L0011741 , L0011742 , L0011743 , L0011744 ,
 , L0011746 , L0011747 ,

L0011753 L0011748 , L0011749 , L0011750 , L0011751 , L0011752 ,
 , L0011754 , L0011755 ,

L0011761 L0011756 , L0011757 , L0011758 , L0011759 , L0011760 ,
 , L0011762 , L0011763 ,

L0011769 L0011764 , L0011765 , L0011766 , L0011767 , L0011768 ,
 , L0011770 , L0011771 ,

L0011777 L0011772 , L0011773 , L0011774 , L0011775 , L0011776 ,
 , L0011778 , L0011779 ,

L0011785 L0011780 , L0011781 , L0011782 , L0011783 , L0011784 ,
 , L0011786 , L0011787 ,

L0011793 L0011788 , L0011789 , L0011790 , L0011791 , L0011792 ,
 , L0011794 , L0011795 ,

L0011801 L0011796 , L0011797 , L0011798 , L0011799 , L0011800 ,
 , L0011802 , L0011803 ,

L0011809 L0011804 , L0011805 , L0011806 , L0011807 , L0011808 ,
 , L0011810 , L0011811 ,

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0011817	L0011812 , L0011818	L0011813 , L0011819 , L0011814 , L0011815 , L0011816 ,
L0011825	L0011820 , L0011826	L0011821 , L0011827 , L0011822 , L0011823 , L0011824 ,
L0011833	L0011828 , L0011834	L0011829 , L0011835 , L0011830 , L0011831 , L0011832 ,
L0011841	L0011836 , L0011842	L0011837 , L0011843 , L0011838 , L0011839 , L0011840 ,
L0011849	L0011844 , L0011850	L0011845 , L0011851 , L0011846 , L0011847 , L0011848 ,
L0011857	L0011852 , L0011858	L0011853 , L0011859 , L0011854 , L0011855 , L0011856 ,
L0011865	L0011860 , L0011866	L0011861 , L0011867 , L0011862 , L0011863 , L0011864 ,
L0011873	L0011868 , L0011874	L0011869 , L0011875 , L0011870 , L0011871 , L0011872 ,
L0011881	L0011876 , L0011882	L0011877 , L0011883 , L0011878 , L0011879 , L0011880 ,
L0011889	L0011884 , L0011890	L0011885 , L0011891 , L0011886 , L0011887 , L0011888 ,
L0011897	L0011892 , L0011898	L0011893 , L0011899 , L0011894 , L0011895 , L0011896 ,
	L0011900	L0011901 , L0011902 , L0011903 , L0011904 ,

L0011905 , L0011906 , L0011907 ,
 L0011913 , L0011914 , L0011915 , L0011916 , L0011917 , L0011918 , L0011919 , L0011920 ,
 L0011921 , L0011922 , L0011923 , L0011924 , L0011925 , L0011926 , L0011927 , L0011928 ,
 L0011929 , L0011930 , L0011931 , L0011932 , L0011933 , L0011934 , L0011935 , L0011936 ,
 L0011937 , L0011938 , L0011939 , L0011940 , L0011941 , L0011942 , L0011943 , L0011944 ,
 L0011945 , L0011946 , L0011947 , L0011948 , L0011949 , L0011950 , L0011951 , L0011952 ,
 L0011953 , L0011954 , L0011955 , L0011956 , L0011957 , L0011958 , L0011959 , L0011960 ,
 L0011961 , L0011962 , L0011963 , L0011964 , L0011965 , L0011966 , L0011967 , L0011968 ,
 L0011969 , L0011970 , L0011971 ,

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0011977	L0011972 , L0011973 , L0011974 , L0011975 , L0011976 , L0011978 , L0011979 ,	
L0011985	L0011980 , L0011981 , L0011982 , L0011983 , L0011984 , L0011986 , L0011987 ,	
L0011993	L0011988 , L0011989 , L0011990 , L0011991 , L0011992 , L0011994 , L0011995 ,	

L0012001	L0011996 , L0012002	, L0011997 , L0012003	, L0011998 ,	, L0011999	, L0012000	,
L0012009	L0012004 , L0012010	, L0012005 , L0012011	, L0012006 ,	, L0012007	, L0012008	,
L0012017	L0012012 , L0012018	, L0012013 , L0012019	, L0012014 ,	, L0012015	, L0012016	,
L0012025	L0012020 , L0012026	, L0012021 , L0012027	, L0012022 ,	, L0012023	, L0012024	,
L0012033	L0012028 , L0012034	, L0012029 , L0012035	, L0012030 ,	, L0012031	, L0012032	,
L0012041	L0012036 , L0012042	, L0012037 , L0012043	, L0012038 ,	, L0012039	, L0012040	,
L0012049	L0012044 , L0012050	, L0012045 , L0012051	, L0012046 ,	, L0012047	, L0012048	,
L0012057	L0012052 , L0012058	, L0012053 , L0012059	, L0012054 ,	, L0012055	, L0012056	,
L0012065	L0012060 , L0012066	, L0012061 , L0012067	, L0012062 ,	, L0012063	, L0012064	,
L0012073	L0012068 , L0012074	, L0012069 , L0012075	, L0012070 ,	, L0012071	, L0012072	,
L0012081	L0012076 , L0012082	, L0012077 , L0012083	, L0012078 ,	, L0012079	, L0012080	,
L0012089	L0012084 , L0012090	, L0012085 , L0012091	, L0012086 ,	, L0012087	, L0012088	,
L0012097	L0012092 , L0012098	, L0012093 , L0012099	, L0012094 ,	, L0012095	, L0012096	,
L0012105	L0012100 , L0012106	, L0012101 , L0012107	, L0012102 ,	, L0012103	, L0012104	,
L0012113	L0012108 , L0012114	, L0012109 , L0012115	, L0012110 ,	, L0012111	, L0012112	,
L0012121	L0012116 , L0012122	, L0012117 , L0012123	, L0012118 ,	, L0012119	, L0012120	,
L0012129	L0012124 , L0012130	, L0012125 , L0012131	, L0012126 ,	, L0012127	, L0012128	,

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0012137	L0012132 , L0012138	L0012133 , L0012139 , L0012134 , L0012135 , L0012136 ,
L0012145	L0012140 , L0012146	L0012141 , L0012147 , L0012142 , L0012143 , L0012144 ,
L0012153	L0012148 , L0012154	L0012149 , L0012155 , L0012150 , L0012151 , L0012152 ,
L0012161	L0012156 , L0012162	L0012157 , L0012163 , L0012158 , L0012159 , L0012160 ,
L0012169	L0012164 , L0012170	L0012165 , L0012171 , L0012166 , L0012167 , L0012168 ,
L0012177	L0012172 , L0012178	L0012173 , L0012179 , L0012174 , L0012175 , L0012176 ,
L0012185	L0012180 , L0012186	L0012181 , L0012187 , L0012182 , L0012183 , L0012184 ,
L0012193	L0012188 , L0012194	L0012189 , L0012195 , L0012190 , L0012191 , L0012192 ,
L0012201	L0012196 , L0012202	L0012197 , L0012203 , L0012198 , L0012199 , L0012200 ,
L0012209	L0012204 , L0012210	L0012205 , L0012211 , L0012206 , L0012207 , L0012208 ,
L0012217	L0012212 , L0012218	L0012213 , L0012219 , L0012214 , L0012215 , L0012216 ,
	L0012220	L0012221 , L0012222 , L0012223 , L0012224 ,

L0012225 , L0012226 , L0012227 ,
 L0012233 , L0012234 , L0012235 , L0012230 , L0012231 , L0012232 ,
 L0012241 , L0012242 , L0012243 , L0012236 , L0012237 , L0012238 , L0012239 , L0012240 ,
 L0012249 , L0012250 , L0012251 , L0012244 , L0012245 , L0012246 , L0012247 , L0012248 ,
 L0012257 , L0012258 , L0012259 , L0012252 , L0012253 , L0012254 , L0012255 , L0012256 ,
 L0012265 , L0012266 , L0012267 , L0012260 , L0012261 , L0012262 , L0012263 , L0012264 ,
 L0012273 , L0012274 , L0012275 , L0012268 , L0012269 , L0012270 , L0012271 , L0012272 ,
 L0012281 , L0012282 , L0012283 , L0012276 , L0012277 , L0012278 , L0012279 , L0012280 ,
 L0012289 , L0012290 , L0012291 , L0012284 , L0012285 , L0012286 , L0012287 , L0012288 ,

^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0012297	L0012292 , L0012298	L0012292 , L0012293 , L0012294 , L0012295 , L0012296 ,
L0012305	L0012300 , L0012306	L0012300 , L0012301 , L0012302 , L0012303 , L0012304 ,
L0012313	L0012308 , L0012314	L0012308 , L0012309 , L0012310 , L0012311 , L0012312 ,

L0012321 L0012316 , L0012317 , L0012318 , L0012319 , L0012320 ,
 , L0012322 , L0012323 ,

L0012329 L0012324 , L0012325 , L0012326 , L0012327 , L0012328 ,
 , L0012330 , L0012331 ,

L0012337 L0012332 , L0012333 , L0012334 , L0012335 , L0012336 ,
 , L0012338 , L0012339 ,

L0012345 L0012340 , L0012341 , L0012342 , L0012343 , L0012344 ,
 , L0012346 , L0012347 ,

L0012353 L0012348 , L0012349 , L0012350 , L0012351 , L0012352 ,
 , L0012354 , L0012355 ,

L0012361 L0012356 , L0012357 , L0012358 , L0012359 , L0012360 ,
 , L0012362 , L0012363 ,

L0012369 L0012364 , L0012365 , L0012366 , L0012367 , L0012368 ,
 , L0012370 , L0012371 ,

L0012377 L0012372 , L0012373 , L0012374 , L0012375 , L0012376 ,
 , L0012378 , L0012379 ,

L0012385 L0012380 , L0012381 , L0012382 , L0012383 , L0012384 ,
 , L0012386 , L0012387 ,

L0012393 L0012388 , L0012389 , L0012390 , L0012391 , L0012392 ,
 , L0012394 , L0012395 ,

L0012401 L0012396 , L0012397 , L0012398 , L0012399 , L0012400 ,
 , L0012402 , L0012403 ,

L0012409 L0012404 , L0012405 , L0012406 , L0012407 , L0012408 ,
 , L0012410 , L0012411 ,

L0012417 L0012412 , L0012413 , L0012414 , L0012415 , L0012416 ,
 , L0012418 , L0012419 ,

L0012425 L0012420 , L0012421 , L0012422 , L0012423 , L0012424 ,
 , L0012426 , L0012427 ,

L0012433 L0012428 , L0012429 , L0012430 , L0012431 , L0012432 ,
 , L0012434 , L0012435 ,

L0012441 L0012436 , L0012437 , L0012438 , L0012439 , L0012440 ,
 , L0012442 , L0012443 ,

L0012449 L0012444 , L0012445 , L0012446 , L0012447 , L0012448 ,
 , L0012450 , L0012451 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0012457	L0012452 , L0012458	L0012453 , L0012459 , L0012454 , L0012455 , L0012456 ,
L0012465	L0012460 , L0012466	L0012461 , L0012467 , L0012462 , L0012463 , L0012464 ,
L0012473	L0012468 , L0012474	L0012469 , L0012475 , L0012470 , L0012471 , L0012472 ,
STCK3	L0012476 , STCK4	L0012477 , STCK5 , L0012478 , STCK1 , STCK2 ,
	STCK6	,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(653895.8, 4180773.4,	7.9,	7.9,	0.0);	(653945.8,
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4180823.4,	7.9,	7.9,	0.0);	
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 (653295.8, 4182473.4, 5.5, 5.5, 0.0); (653345.8,
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 (653495.8, 4182473.4, 6.2, 6.2, 0.0); (653545.8,
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 (653595.8, 4182473.4, 6.8, 6.8, 0.0); (653645.8,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 (653545.8, 4182573.4, 6.0, 6.0, 0.0); (653595.8,
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 (654945.8, 4182873.4, 8.6, 8.6, 0.0); (654995.8,
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 4182923.4, 8.1, 8.1, 0.0);

▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 (654695.8, 4183423.4, 8.6, 8.6, 0.0); (654745.8,
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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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 (654195.8, 4183773.4, 9.1, 9.1, 0.0); (654245.8,
 4183773.4, 9.1, 9.1, 0.0);

▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
 *** AERMET - VERSION 18081 ***
 *** 09:09:29

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(654295.8, 4183773.4, 9.1, 9.1, 0.0); (654345.8,
4183773.4, 9.0, 9.0, 0.0);
(653845.8, 4183823.4, 8.7, 8.7, 0.0); (654045.8,
4183823.4, 8.9, 8.9, 0.0);
(654095.8, 4183823.4, 8.9, 8.9, 0.0); (654145.8,
4183823.4, 8.9, 8.9, 0.0);
(654195.8, 4183823.4, 8.9, 8.9, 0.0); (654245.8,
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(654295.8, 4183823.4, 8.8, 8.8, 0.0); (654345.8,
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(654045.8, 4183873.4, 9.3, 9.3, 0.0); (654095.8,
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(654145.8, 4183873.4, 8.9, 8.9, 0.0); (654195.8,
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(654245.8, 4183873.4, 8.5, 8.5, 0.0); (654295.8,
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(654345.8, 4183873.4, 8.5, 8.5, 0.0); (653845.8,
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(653945.8, 4183923.4, 9.6, 9.6, 0.0); (653995.8,
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(654145.8, 4183923.4, 9.1, 9.1, 0.0); (654195.8,
4183923.4, 8.7, 8.7, 0.0);
(654245.8, 4183923.4, 8.5, 8.5, 0.0); (654295.8,
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(654345.8, 4183923.4, 8.3, 8.3, 0.0); (653745.8,
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(653995.8, 4184023.4, 10.1, 10.1, 0.0); (654045.8,
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(654195.8, 4184023.4, 9.6, 9.6, 0.0); (654245.8,
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(653795.8, 4184073.4, 9.8, 9.8, 0.0); (653845.8,
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(653945.8, 4184073.4, 10.1, 10.1, 0.0); (654095.8,
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(654145.8, 4184073.4, 10.1, 10.1, 0.0); (654195.8,

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 (654245.8, 4184073.4, 10.2, 10.2, 0.0); (654295.8,
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 (654095.8, 4184123.4, 10.2, 10.2, 0.0); (654145.8,
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 (654195.8, 4184123.4, 10.5, 10.5, 0.0); (654245.8,
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 (654095.8, 4184173.4, 10.2, 10.2, 0.0); (654145.8,
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 (654195.8, 4184173.4, 10.4, 10.4, 0.0); (654245.8,
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 (653795.8, 4184223.4, 8.8, 8.8, 0.0); (653845.8,
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 (653945.8, 4184223.4, 9.8, 9.8, 0.0); (654095.8,
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 (654145.8, 4184223.4, 10.1, 10.1, 0.0); (654195.8,
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 (654245.8, 4184223.4, 10.0, 10.0, 0.0); (653745.8,
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 (653895.8, 4184273.4, 9.2, 9.2, 0.0); (653945.8,
 4184273.4, 9.5, 9.5, 0.0);
 (653995.8, 4184273.4, 9.8, 9.8, 0.0); (654095.8,
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 (654145.8, 4184273.4, 9.9, 9.9, 0.0); (654195.8,
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 (654245.8, 4184273.4, 9.8, 9.8, 0.0); (653745.8,
 4184323.4, 8.3, 8.3, 0.0);
 (653795.8, 4184323.4, 8.4, 8.4, 0.0); (653845.8,
 4184323.4, 8.5, 8.5, 0.0);

▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
 *** AERMET - VERSION 18081 ***
 *** 09:09:29

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(653895.8, 4184323.4,	8.8,	8.8,	0.0);	(653945.8,
4184323.4, 9.2,	9.2,	0.0);		
(654095.8, 4184323.4,	9.8,	9.8,	0.0);	(654145.8,
4184323.4, 9.8,	9.8,	0.0);		
(654195.8, 4184323.4,	9.8,	9.8,	0.0);	(654245.8,
4184323.4, 9.7,	9.7,	0.0);		
(653745.8, 4184373.4,	8.3,	8.3,	0.0);	(653795.8,
4184373.4, 8.3,	8.3,	0.0);		
(653845.8, 4184373.4,	8.4,	8.4,	0.0);	(653895.8,
4184373.4, 8.6,	8.6,	0.0);		
(653945.8, 4184373.4,	8.9,	8.9,	0.0);	(654095.8,
4184373.4, 9.6,	9.6,	0.0);		
(654145.8, 4184373.4,	9.6,	9.6,	0.0);	(654195.8,
4184373.4, 9.6,	9.6,	0.0);		
(654245.8, 4184373.4,	9.6,	9.6,	0.0);	(653745.8,
4184423.4, 8.3,	8.3,	0.0);		
(653795.8, 4184423.4,	8.3,	8.3,	0.0);	(653845.8,
4184423.4, 8.3,	8.3,	0.0);		
(653895.8, 4184423.4,	8.5,	8.5,	0.0);	(653945.8,
4184423.4, 8.7,	8.7,	0.0);		
(654095.8, 4184423.4,	9.4,	9.4,	0.0);	(654145.8,
4184423.4, 9.4,	9.4,	0.0);		
(654195.8, 4184423.4,	9.5,	9.5,	0.0);	(654245.8,
4184423.4, 9.5,	9.5,	0.0);		
(654295.8, 4184423.4,	9.5,	9.5,	0.0);	(653745.8,
4184473.4, 8.4,	8.4,	0.0);		
(653795.8, 4184473.4,	8.4,	8.4,	0.0);	(653845.8,
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(653895.8, 4184473.4,	8.5,	8.5,	0.0);	(653945.8,
4184473.4, 8.7,	8.7,	0.0);		
(654095.8, 4184473.4,	9.2,	9.2,	0.0);	(654145.8,
4184473.4, 9.3,	9.3,	0.0);		
(654195.8, 4184473.4,	9.3,	9.3,	0.0);	(654245.8,
4184473.4, 9.3,	9.3,	0.0);		
(654295.8, 4184473.4,	9.3,	9.3,	0.0);	(653745.8,
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(653795.8, 4184523.4,	8.4,	8.4,	0.0);	(653845.8,
4184523.4, 8.5,	8.5,	0.0);		
(653895.8, 4184523.4,	8.7,	8.7,	0.0);	(653945.8,
4184523.4, 8.7,	8.7,	0.0);		
(654095.8, 4184523.4,	9.0,	9.0,	0.0);	(654145.8,
4184523.4, 9.1,	9.1,	0.0);		
(654195.8, 4184523.4,	9.2,	9.2,	0.0);	(654245.8,
4184523.4, 9.2,	9.2,	0.0);		
(654295.8, 4184523.4,	9.2,	9.2,	0.0);	(653645.8,

4184573.4, 8.3, 8.3, 0.0);
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 (653895.8, 4184623.4, 8.7, 8.7, 0.0); (653945.8,
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 4184673.4, 8.3, 8.3, 0.0);
 (653745.8, 4184673.4, 8.3, 8.3, 0.0); (653795.8,
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 (653845.8, 4184673.4, 8.6, 8.6, 0.0); (653895.8,
 4184673.4, 8.7, 8.7, 0.0);
 (653945.8, 4184673.4, 8.7, 8.7, 0.0); (653995.8,
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 4184723.4, 8.5, 8.5, 0.0);
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 (653845.8, 4184773.4, 8.5, 8.5, 0.0); (653895.8,
 4184773.4, 8.5, 8.5, 0.0);

*** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
 *** AERMET - VERSION 18081 ***
 *** 09:09:29

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(653945.8, 4184773.4,	8.5,	8.5,	0.0);	(653995.8,
4184773.4,	8.5,	8.5,	0.0);	
(653745.8, 4184823.4,	8.4,	8.4,	0.0);	(653795.8,
4184823.4,	8.4,	8.4,	0.0);	
(653845.8, 4184823.4,	8.4,	8.4,	0.0);	(653895.8,
4184823.4,	8.4,	8.4,	0.0);	
(653945.8, 4184823.4,	8.4,	8.4,	0.0);	(653995.8,
4184823.4,	8.4,	8.4,	0.0);	
(653745.8, 4184873.4,	8.3,	8.3,	0.0);	(653795.8,
4184873.4,	8.3,	8.3,	0.0);	
(653845.8, 4184873.4,	8.3,	8.3,	0.0);	(653895.8,
4184873.4,	8.3,	8.3,	0.0);	
(653945.8, 4184873.4,	8.3,	8.3,	0.0);	(653995.8,
4184873.4,	8.3,	8.3,	0.0);	
(653745.8, 4184923.4,	8.1,	8.1,	0.0);	(653795.8,
4184923.4,	8.2,	8.2,	0.0);	
(653845.8, 4184923.4,	8.2,	8.2,	0.0);	(653895.8,
4184923.4,	8.2,	8.2,	0.0);	
(653945.8, 4184923.4,	8.2,	8.2,	0.0);	(653995.8,
4184923.4,	8.2,	8.2,	0.0);	
(653745.8, 4184973.4,	8.0,	8.0,	0.0);	(653795.8,
4184973.4,	8.0,	8.0,	0.0);	
(653845.8, 4184973.4,	8.0,	8.0,	0.0);	(653895.8,
4184973.4,	8.0,	8.0,	0.0);	
(653945.8, 4184973.4,	8.0,	8.0,	0.0);	(653995.8,
4184973.4,	8.1,	8.1,	0.0);	
(653745.8, 4185023.4,	7.9,	7.9,	0.0);	(653795.8,
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(653845.8, 4185023.4,	7.9,	7.9,	0.0);	(653895.8,
4185023.4,	7.9,	7.9,	0.0);	
(653945.8, 4185023.4,	7.9,	7.9,	0.0);	(653995.8,
4185023.4,	8.0,	8.0,	0.0);	
(653745.8, 4185073.4,	7.7,	7.7,	0.0);	(653795.8,
4185073.4,	7.7,	7.7,	0.0);	
(653845.8, 4185073.4,	7.8,	7.8,	0.0);	(653895.8,
4185073.4,	7.8,	7.8,	0.0);	
(653945.8, 4185073.4,	7.8,	7.8,	0.0);	(653995.8,
4185073.4,	7.9,	7.9,	0.0);	
(653745.8, 4185123.4,	7.6,	7.6,	0.0);	(653795.8,
4185123.4,	7.6,	7.6,	0.0);	
(653845.8, 4185123.4,	7.6,	7.6,	0.0);	(653895.8,
4185123.4,	7.7,	7.7,	0.0);	
(653945.8, 4185123.4,	7.7,	7.7,	0.0);	(653995.8,

4185123.4, 7.8, 7.8, 0.0);
 (653745.8, 4185173.4, 7.5, 7.5, 0.0); (653795.8,
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 (653845.8, 4185173.4, 7.5, 7.5, 0.0); (653895.8,
 4185173.4, 7.6, 7.6, 0.0);
 (653945.8, 4185173.4, 7.6, 7.6, 0.0); (653995.8,
 4185173.4, 7.7, 7.7, 0.0);

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
 *** AERMET - VERSION 18081 ***
 *** 09:09:29

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT
 BE PERFORMED *
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR
 FASTAREA/FASTALL

DISTANCE (METERS)	SOURCE	- - RECEPTOR LOCATION - -	
	ID	XR (METERS)	YR (METERS)
0.79	L0011686	653895.8	4184323.4
0.26	L0011691	653895.8	4184273.4
0.97	L0011692	653895.8	4184273.4

▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN 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		

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
17 01 01 01 10.0 1 111. 3.36 276.0 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

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Manteca\Maverik Manteca_operations\Mave *** 03/04/22
*** AERMET - VERSION 18081 ***
*** 09:09:29

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): L0011332 , L0011333
, L0011334 , L0011335 , L0011336 ,
L0011337 , L0011338 , L0011339 , L0011340 , L0011341
, L0011342 , L0011343 , L0011344 ,
L0011345 , L0011346 , L0011347 , L0011348 , L0011349
, L0011350 , L0011351 , L0011352 ,
L0011353 , L0011354 , L0011355 , L0011356 , L0011357
, L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
653895.75	4180773.41	0.00088	653945.75
4180773.41	0.00194		
653895.75	4180823.41	0.00093	653945.75
4180823.41	0.00204		
653995.75	4180823.41	0.00201	654045.75
4180823.41	0.00118		
654195.75	4180823.41	0.00063	654245.75
4180923.41	0.00060		
654245.75	4180973.41	0.00061	653995.75
4181023.41	0.00196		
653995.75	4181073.41	0.00195	654045.75
4181073.41	0.00123		
653895.75	4181273.41	0.00118	653495.75
4181323.41	0.00042		

4181323.41	653545.75	4181323.41	0.00045	653895.75
4181323.41	0.00121			
4181373.41	653495.75	4181373.41	0.00044	653545.75
4181373.41	0.00047			
4181373.41	653895.75	4181373.41	0.00125	653995.75
4181373.41	0.00189			
4181473.41	653895.75	4181423.41	0.00128	653795.75
4181473.41	0.00077			
4181523.41	653895.75	4181473.41	0.00131	653895.75
4181523.41	0.00136			
4181673.41	654195.75	4181523.41	0.00087	653995.75
4181673.41	0.00191			
4181723.41	653995.75	4181723.41	0.00193	654145.75
4181723.41	0.00107			
4181773.41	654245.75	4181723.41	0.00093	653995.75
4181773.41	0.00195			
4181823.41	653995.75	4181823.41	0.00197	654045.75
4181823.41	0.00148			
4182223.41	653945.75	4182123.41	0.00384	653895.75
4182223.41	0.00248			
4182373.41	654245.75	4182323.41	0.00199	653145.75
4182373.41	0.00079			
4182373.41	653195.75	4182373.41	0.00083	653245.75
4182373.41	0.00088			
4182373.41	653295.75	4182373.41	0.00094	653345.75
4182373.41	0.00101			
4182373.41	653395.75	4182373.41	0.00108	653445.75
4182373.41	0.00117			
4182373.41	653495.75	4182373.41	0.00128	653545.75
4182373.41	0.00140			
4182373.41	653595.75	4182373.41	0.00154	653645.75
4182373.41	0.00169			
4182373.41	653695.75	4182373.41	0.00184	653745.75
4182373.41	0.00200			
4182373.41	653795.75	4182373.41	0.00219	653845.75
4182373.41	0.00244			
4182373.41	653895.75	4182373.41	0.00297	654245.75
4182373.41	0.00222			
4182423.41	653145.75	4182423.41	0.00084	653195.75
4182423.41	0.00090			
4182423.41	653245.75	4182423.41	0.00096	653295.75
4182423.41	0.00102			
4182423.41	653345.75	4182423.41	0.00110	653395.75
4182423.41	0.00118			
4182423.41	653445.75	4182423.41	0.00129	653495.75
4182423.41	0.00141			
4182423.41	653545.75	4182423.41	0.00155	653595.75
4182423.41	0.00171			
4182423.41	653645.75	4182423.41	0.00190	653695.75
4182423.41	0.00209			

653745.75	4182423.41	0.00229	653795.75
4182423.41	0.00250		
653845.75	4182423.41	0.00277	653895.75
4182423.41	0.00326		
654245.75	4182423.41	0.00249	653145.75
4182473.41	0.00091		
653195.75	4182473.41	0.00097	653245.75
4182473.41	0.00104		
653295.75	4182473.41	0.00111	653345.75
4182473.41	0.00120		
653395.75	4182473.41	0.00130	653445.75
4182473.41	0.00141		
653495.75	4182473.41	0.00156	653545.75
4182473.41	0.00173		
653595.75	4182473.41	0.00193	653645.75
4182473.41	0.00216		

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
653695.75	4182473.41	0.00241	653745.75
4182473.41	0.00267		
653795.75	4182473.41	0.00294	653895.75
4182473.41	0.00378		
654245.75	4182473.41	0.00280	653145.75

4182523.41	0.00098			
653195.75	4182523.41	0.00105		653245.75
4182523.41	0.00113			
653295.75	4182523.41	0.00122		653345.75
4182523.41	0.00132			
653395.75	4182523.41	0.00144		653445.75
4182523.41	0.00157			
653495.75	4182523.41	0.00173		653545.75
4182523.41	0.00194			
653595.75	4182523.41	0.00220		653645.75
4182523.41	0.00250			
653695.75	4182523.41	0.00284		653745.75
4182523.41	0.00320			
653795.75	4182523.41	0.00357		653895.75
4182523.41	0.00457			
653945.75	4182523.41	0.00522		654245.75
4182523.41	0.00316			
653145.75	4182573.41	0.00105		653195.75
4182573.41	0.00113			
653245.75	4182573.41	0.00123		653295.75
4182573.41	0.00134			
653345.75	4182573.41	0.00147		653395.75
4182573.41	0.00161			
653445.75	4182573.41	0.00178		653495.75
4182573.41	0.00197			
653545.75	4182573.41	0.00222		653595.75
4182573.41	0.00254			
653645.75	4182573.41	0.00294		653695.75
4182573.41	0.00343			
653745.75	4182573.41	0.00396		653795.75
4182573.41	0.00451			
653895.75	4182573.41	0.00580		653945.75
4182573.41	0.00640			
653995.75	4182573.41	0.00565		654045.75
4182573.41	0.00517			
654095.75	4182573.41	0.00474		654145.75
4182573.41	0.00432			
654195.75	4182573.41	0.00391		654245.75
4182573.41	0.00353			
653145.75	4182623.41	0.00112		653195.75
4182623.41	0.00122			
653245.75	4182623.41	0.00133		653295.75
4182623.41	0.00147			
653345.75	4182623.41	0.00162		653395.75
4182623.41	0.00181			
653445.75	4182623.41	0.00203		653495.75
4182623.41	0.00228			
653545.75	4182623.41	0.00259		653595.75
4182623.41	0.00300			
653645.75	4182623.41	0.00353		653695.75

4182623.41	0.00424			
653745.75	4182623.41	0.00508		653795.75
4182623.41	0.00599			
653895.75	4182623.41	0.00781		653945.75
4182623.41	0.00825			
653995.75	4182623.41	0.00722		654045.75
4182623.41	0.00643			
654095.75	4182623.41	0.00569		654145.75
4182623.41	0.00500			
654195.75	4182623.41	0.00439		654245.75
4182623.41	0.00386			
653145.75	4182673.41	0.00119		653195.75
4182673.41	0.00130			
653245.75	4182673.41	0.00144		653295.75
4182673.41	0.00160			
653345.75	4182673.41	0.00179		653395.75
4182673.41	0.00203			
653445.75	4182673.41	0.00231		653495.75
4182673.41	0.00266			
653545.75	4182673.41	0.00308		653595.75
4182673.41	0.00362			
653645.75	4182673.41	0.00436		653695.75
4182673.41	0.00543			
653745.75	4182673.41	0.00688		653795.75
4182673.41	0.00860			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
4182673.41	653895.75	4182673.41	0.01147	653945.75
4182673.41	653995.75	4182673.41	0.00951	654045.75
4182673.41	654095.75	4182673.41	0.00668	654145.75
4182673.41	654195.75	4182673.41	0.00477	654245.75
4182723.41	653145.75	4182723.41	0.00127	653195.75
4182723.41	653245.75	4182723.41	0.00154	653295.75
4182723.41	653345.75	4182723.41	0.00196	653395.75
4182723.41	653445.75	4182723.41	0.00261	653495.75
4182723.41	653545.75	4182723.41	0.00369	653595.75
4182723.41	653645.75	4182723.41	0.00559	653695.75
4182723.41	653745.75	4182723.41	0.00998	653795.75
4182723.41	653945.75	4182723.41	0.01657	653995.75
4182723.41	654045.75	4182723.41	0.00941	654095.75
4182723.41	654145.75	4182723.41	0.00602	654195.75
4182773.41	654245.75	4182723.41	0.00421	653145.75
4182773.41	653195.75	4182773.41	0.00150	653245.75
4182773.41	653295.75	4182773.41	0.00188	653345.75
4182773.41	653395.75	4182773.41	0.00249	653445.75
4182773.41	653495.75	4182773.41	0.00353	653545.75
4182773.41	653595.75	4182773.41	0.00558	653645.75
4182773.41	653695.75	4182773.41	0.01051	653745.75
4182773.41	654095.75	4182773.41	0.00767	654145.75
4182773.41	654195.75	4182773.41	0.00498	654245.75
4182773.41		0.00418		

4182823.41	653145.75	4182823.41	0.00146	653195.75
	0.00161			
4182823.41	653245.75	4182823.41	0.00180	653295.75
	0.00204			
4182823.41	653345.75	4182823.41	0.00233	653395.75
	0.00273			
4182823.41	653445.75	4182823.41	0.00326	653495.75
	0.00401			
4182823.41	653545.75	4182823.41	0.00514	653595.75
	0.00693			
4182823.41	653645.75	4182823.41	0.01023	653695.75
	0.01914			
4182823.41	654145.75	4182823.41	0.00579	654195.75
	0.00476			
4182873.41	654245.75	4182823.41	0.00402	652795.75
	0.00092			
4182873.41	652845.75	4182873.41	0.00098	652895.75
	0.00105			
4182873.41	652945.75	4182873.41	0.00112	652995.75
	0.00121			
4182873.41	653045.75	4182873.41	0.00131	653095.75
	0.00142			
4182873.41	653145.75	4182873.41	0.00156	653195.75
	0.00172			
4182873.41	653245.75	4182873.41	0.00192	653295.75
	0.00217			
4182873.41	653345.75	4182873.41	0.00249	653395.75
	0.00292			
4182873.41	653445.75	4182873.41	0.00352	653495.75
	0.00441			
4182873.41	653545.75	4182873.41	0.00582	653595.75
	0.00841			
4182873.41	653645.75	4182873.41	0.01573	654195.75
	0.00431			

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 , L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 , L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,

L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654245.75	4182873.41	0.00370	654295.75
4182873.41	0.00323		
654645.75	4182873.41	0.00177	654695.75
4182873.41	0.00167		
654745.75	4182873.41	0.00159	654795.75
4182873.41	0.00152		
654845.75	4182873.41	0.00146	654895.75
4182873.41	0.00140		
654945.75	4182873.41	0.00135	654995.75
4182873.41	0.00130		
652795.75	4182923.41	0.00098	652845.75
4182923.41	0.00105		
652895.75	4182923.41	0.00112	652945.75
4182923.41	0.00120		
652995.75	4182923.41	0.00129	653045.75
4182923.41	0.00139		
653095.75	4182923.41	0.00151	653145.75
4182923.41	0.00165		
653195.75	4182923.41	0.00181	653245.75
4182923.41	0.00201		
653295.75	4182923.41	0.00226	653345.75
4182923.41	0.00259		
653395.75	4182923.41	0.00302	653445.75
4182923.41	0.00364		
653495.75	4182923.41	0.00459	653545.75
4182923.41	0.00629		
653595.75	4182923.41	0.01073	654245.75
4182923.41	0.00327		
654295.75	4182923.41	0.00292	654345.75
4182923.41	0.00264		
654395.75	4182923.41	0.00242	654445.75
4182923.41	0.00224		
654495.75	4182923.41	0.00209	654545.75
4182923.41	0.00197		
654595.75	4182923.41	0.00186	654645.75
4182923.41	0.00177		
654695.75	4182923.41	0.00169	654745.75

4182923.41	0.00162			
654795.75	4182923.41	0.00155		654845.75
4182923.41	0.00150			
654895.75	4182923.41	0.00145		654945.75
4182923.41	0.00140			
654995.75	4182923.41	0.00136		655045.75
4182923.41	0.00132			
655095.75	4182923.41	0.00128		652795.75
4182973.41	0.00106			
652845.75	4182973.41	0.00113		652895.75
4182973.41	0.00121			
652945.75	4182973.41	0.00130		652995.75
4182973.41	0.00139			
653045.75	4182973.41	0.00149		653095.75
4182973.41	0.00161			
653145.75	4182973.41	0.00174		653195.75
4182973.41	0.00190			
653245.75	4182973.41	0.00209		653295.75
4182973.41	0.00232			
653345.75	4182973.41	0.00262		653395.75
4182973.41	0.00303			
653445.75	4182973.41	0.00361		653495.75
4182973.41	0.00458			
653545.75	4182973.41	0.00698		654295.75
4182973.41	0.00259			
654345.75	4182973.41	0.00241		654395.75
4182973.41	0.00225			
654445.75	4182973.41	0.00213		654495.75
4182973.41	0.00202			
654545.75	4182973.41	0.00193		654595.75
4182973.41	0.00185			
654645.75	4182973.41	0.00178		654695.75
4182973.41	0.00172			
654745.75	4182973.41	0.00166		654795.75
4182973.41	0.00161			
654845.75	4182973.41	0.00156		654895.75
4182973.41	0.00152			
654945.75	4182973.41	0.00148		654995.75
4182973.41	0.00144			
655045.75	4182973.41	0.00140		655095.75
4182973.41	0.00137			
652795.75	4183023.41	0.00117		652845.75
4183023.41	0.00126			

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
652895.75	4183023.41	0.00134	652945.75
4183023.41	0.00144		
652995.75	4183023.41	0.00153	653045.75
4183023.41	0.00164		
653095.75	4183023.41	0.00175	653145.75
4183023.41	0.00187		
653195.75	4183023.41	0.00202	653245.75
4183023.41	0.00219		
653295.75	4183023.41	0.00239	653345.75
4183023.41	0.00266		
653395.75	4183023.41	0.00300	653445.75
4183023.41	0.00350		
653495.75	4183023.41	0.00436	654295.75
4183023.41	0.00232		
654345.75	4183023.41	0.00222	654395.75
4183023.41	0.00213		
654445.75	4183023.41	0.00206	654495.75
4183023.41	0.00200		
654545.75	4183023.41	0.00195	654595.75
4183023.41	0.00189		
654645.75	4183023.41	0.00184	654695.75
4183023.41	0.00180		
654745.75	4183023.41	0.00175	654795.75
4183023.41	0.00171		
654845.75	4183023.41	0.00167	654895.75
4183023.41	0.00163		
654945.75	4183023.41	0.00159	654995.75
4183023.41	0.00156		

4183073.41	655045.75	4183023.41	0.00152	652795.75
	0.00136			
4183073.41	652845.75	4183073.41	0.00147	652895.75
	0.00158			
4183073.41	652945.75	4183073.41	0.00169	652995.75
	0.00180			
4183073.41	653045.75	4183073.41	0.00191	653095.75
	0.00202			
4183073.41	654345.75	4183073.41	0.00213	654395.75
	0.00211			
4183073.41	654445.75	4183073.41	0.00209	654495.75
	0.00208			
4183073.41	654545.75	4183073.41	0.00205	654595.75
	0.00203			
4183073.41	654645.75	4183073.41	0.00200	654695.75
	0.00196			
4183073.41	654745.75	4183073.41	0.00193	654795.75
	0.00189			
4183073.41	654845.75	4183073.41	0.00185	654895.75
	0.00182			
4183073.41	654945.75	4183073.41	0.00178	654995.75
	0.00175			
4183123.41	655045.75	4183073.41	0.00172	653595.75
	0.00495			
4183123.41	654895.75	4183123.41	0.00217	654945.75
	0.00214			
4183273.41	654445.75	4183273.41	0.00333	654495.75
	0.00331			
4183273.41	654545.75	4183273.41	0.00330	654595.75
	0.00329			
4183273.41	654645.75	4183273.41	0.00331	654695.75
	0.00335			
4183273.41	654745.75	4183273.41	0.00340	654795.75
	0.00346			
4183273.41	654845.75	4183273.41	0.00352	654895.75
	0.00358			
4183323.41	654945.75	4183273.41	0.00364	654345.75
	0.00209			
4183323.41	654395.75	4183323.41	0.00206	654445.75
	0.00203			
4183323.41	654495.75	4183323.41	0.00201	654545.75
	0.00199			
4183323.41	654595.75	4183323.41	0.00198	654645.75
	0.00197			
4183323.41	654695.75	4183323.41	0.00197	654745.75
	0.00197			
4183323.41	654795.75	4183323.41	0.00197	654845.75
	0.00197			
4183323.41	654895.75	4183323.41	0.00197	654945.75
	0.00198			

654995.75 4183323.41 0.00198 655045.75
4183323.41 0.00198

*** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave *** 03/04/22

*** AERMET - VERSION 18081 ***
*** 09:09:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0011332 , L0011333
, L0011334 , L0011335 , L0011336 ,
L0011337 , L0011338 , L0011339 , L0011340 , L0011341
, L0011342 , L0011343 , L0011344 ,
L0011345 , L0011346 , L0011347 , L0011348 , L0011349
, L0011350 , L0011351 , L0011352 ,
L0011353 , L0011354 , L0011355 , L0011356 , L0011357
, L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
655095.75	4183323.41	0.00198	655145.75
4183323.41	0.00199		
655195.75	4183323.41	0.00199	655245.75
4183323.41	0.00200		
654295.75	4183373.41	0.00166	654345.75
4183373.41	0.00162		
654395.75	4183373.41	0.00159	654795.75
4183373.41	0.00145		
654845.75	4183373.41	0.00144	654895.75
4183373.41	0.00143		
654945.75	4183373.41	0.00143	654995.75
4183373.41	0.00142		
655045.75	4183373.41	0.00142	655095.75
4183373.41	0.00141		
655145.75	4183373.41	0.00141	655195.75
4183373.41	0.00140		
655245.75	4183373.41	0.00140	655295.75
4183373.41	0.00140		
655345.75	4183373.41	0.00139	654295.75

4183423.41	0.00139			
654395.75	4183423.41	0.00132		654445.75
4183423.41	0.00129			
654495.75	4183423.41	0.00127		654545.75
4183423.41	0.00125			
654595.75	4183423.41	0.00123		654645.75
4183423.41	0.00121			
654695.75	4183423.41	0.00120		654745.75
4183423.41	0.00118			
654795.75	4183423.41	0.00117		654895.75
4183423.41	0.00115			
654945.75	4183423.41	0.00114		654995.75
4183423.41	0.00113			
655045.75	4183423.41	0.00112		655095.75
4183423.41	0.00112			
655145.75	4183423.41	0.00111		655195.75
4183423.41	0.00110			
655245.75	4183423.41	0.00110		655295.75
4183423.41	0.00109			
655345.75	4183423.41	0.00108		655395.75
4183423.41	0.00108			
655445.75	4183423.41	0.00107		655545.75
4183423.41	0.00105			
655595.75	4183423.41	0.00104		654295.75
4183473.41	0.00120			
654345.75	4183473.41	0.00117		654395.75
4183473.41	0.00114			
654445.75	4183473.41	0.00112		654495.75
4183473.41	0.00110			
654545.75	4183473.41	0.00108		654595.75
4183473.41	0.00106			
654645.75	4183473.41	0.00104		654695.75
4183473.41	0.00102			
654745.75	4183473.41	0.00101		654795.75
4183473.41	0.00099			
654845.75	4183473.41	0.00098		654895.75
4183473.41	0.00097			
654945.75	4183473.41	0.00096		655345.75
4183473.41	0.00089			
655395.75	4183473.41	0.00088		655445.75
4183473.41	0.00087			
655495.75	4183473.41	0.00086		655545.75
4183473.41	0.00085			
655595.75	4183473.41	0.00084		655645.75
4183473.41	0.00083			
655695.75	4183473.41	0.00081		655745.75
4183473.41	0.00079			
654195.75	4183523.41	0.00112		654245.75
4183523.41	0.00109			
654295.75	4183523.41	0.00106		654345.75

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4183523.41      0.00103
      654395.75      4183523.41      0.00101      654445.75
4183523.41      0.00099
      654495.75      4183523.41      0.00097      654545.75
4183523.41      0.00095
      654595.75      4183523.41      0.00093      654645.75
4183523.41      0.00091
      654695.75      4183523.41      0.00090      654745.75
4183523.41      0.00088
      654795.75      4183523.41      0.00087      654845.75
4183523.41      0.00086

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*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE PERIOD ( 8760 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
      INCLUDING SOURCE(S):      L0011332      , L0011333
, L0011334      , L0011335      , L0011336      ,
      L0011337      , L0011338      , L0011339      , L0011341
, L0011342      , L0011343      , L0011344      ,
      L0011345      , L0011346      , L0011347      , L0011348      , L0011349
, L0011350      , L0011351      , L0011352      ,
      L0011353      , L0011354      , L0011355      , L0011356      , L0011357
, L0011358      , L0011359      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
654895.75	4183523.41	0.00085	654945.75
4183523.41	0.00083		
655295.75	4183523.41	0.00077	655345.75
4183523.41	0.00076		
655395.75	4183523.41	0.00075	655445.75
4183523.41	0.00074		
655495.75	4183523.41	0.00073	655545.75
4183523.41	0.00072		
655595.75	4183523.41	0.00071	655645.75
4183523.41	0.00070		

4183523.41	655695.75	4183523.41	0.00068	655745.75
4183523.41	0.00066			
4183573.41	654145.75	4183573.41	0.00105	654195.75
4183573.41	0.00101			
4183573.41	654245.75	4183573.41	0.00098	654295.75
4183573.41	0.00095			
4183573.41	654345.75	4183573.41	0.00092	654395.75
4183573.41	0.00090			
4183573.41	654445.75	4183573.41	0.00088	654495.75
4183573.41	0.00087			
4183573.41	654545.75	4183573.41	0.00085	654595.75
4183573.41	0.00084			
4183573.41	654645.75	4183573.41	0.00082	654695.75
4183573.41	0.00081			
4183573.41	654745.75	4183573.41	0.00079	654795.75
4183573.41	0.00078			
4183573.41	654845.75	4183573.41	0.00077	654895.75
4183573.41	0.00075			
4183573.41	654945.75	4183573.41	0.00074	655295.75
4183573.41	0.00067			
4183573.41	655345.75	4183573.41	0.00066	655395.75
4183573.41	0.00066			
4183573.41	655445.75	4183573.41	0.00065	655495.75
4183573.41	0.00064			
4183573.41	655545.75	4183573.41	0.00062	655595.75
4183573.41	0.00061			
4183573.41	655645.75	4183573.41	0.00060	655695.75
4183573.41	0.00059			
4183623.41	655745.75	4183573.41	0.00057	652295.75
4183623.41	0.00056			
4183623.41	652345.75	4183623.41	0.00056	654145.75
4183623.41	0.00096			
4183623.41	654195.75	4183623.41	0.00091	654245.75
4183623.41	0.00088			
4183623.41	654295.75	4183623.41	0.00086	654345.75
4183623.41	0.00084			
4183673.41	654195.75	4183673.41	0.00084	654245.75
4183673.41	0.00081			
4183673.41	654295.75	4183673.41	0.00079	654345.75
4183673.41	0.00077			
4183723.41	653845.75	4183723.41	0.00111	654245.75
4183723.41	0.00075			
4183723.41	654295.75	4183723.41	0.00073	654345.75
4183723.41	0.00071			
4183773.41	653845.75	4183773.41	0.00107	654045.75
4183773.41	0.00091			
4183773.41	654095.75	4183773.41	0.00083	654145.75
4183773.41	0.00077			
4183773.41	654195.75	4183773.41	0.00073	654245.75
4183773.41	0.00070			

654295.75	4183773.41	0.00068	654345.75
4183773.41	0.00066		
653845.75	4183823.41	0.00103	654045.75
4183823.41	0.00086		
654095.75	4183823.41	0.00078	654145.75
4183823.41	0.00073		
654195.75	4183823.41	0.00069	654245.75
4183823.41	0.00066		
654295.75	4183823.41	0.00064	654345.75
4183823.41	0.00062		
653945.75	4183873.41	0.00124	653995.75
4183873.41	0.00095		
654045.75	4183873.41	0.00082	654095.75
4183873.41	0.00074		
654145.75	4183873.41	0.00069	654195.75
4183873.41	0.00065		
654245.75	4183873.41	0.00062	654295.75
4183873.41	0.00060		
654345.75	4183873.41	0.00058	653845.75
4183923.41	0.00098		

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
-----	-----	-----	-----
653945.75	4183923.41	0.00120	653995.75

4183923.41	0.00091			
654045.75	4183923.41	0.00078		654095.75
4183923.41	0.00070			
654145.75	4183923.41	0.00065		654195.75
4183923.41	0.00062			
654245.75	4183923.41	0.00059		654295.75
4183923.41	0.00057			
654345.75	4183923.41	0.00055		653745.75
4183973.41	0.00064			
653745.75	4184023.41	0.00062		653795.75
4184023.41	0.00071			
653845.75	4184023.41	0.00094		653945.75
4184023.41	0.00112			
653995.75	4184023.41	0.00084		654045.75
4184023.41	0.00072			
654095.75	4184023.41	0.00064		654145.75
4184023.41	0.00059			
654195.75	4184023.41	0.00056		654245.75
4184023.41	0.00053			
654295.75	4184023.41	0.00051		653745.75
4184073.41	0.00059			
653795.75	4184073.41	0.00068		653845.75
4184073.41	0.00092			
653945.75	4184073.41	0.00109		654095.75
4184073.41	0.00062			
654145.75	4184073.41	0.00057		654195.75
4184073.41	0.00053			
654245.75	4184073.41	0.00050		654295.75
4184073.41	0.00048			
653745.75	4184123.41	0.00057		653795.75
4184123.41	0.00066			
653845.75	4184123.41	0.00090		653945.75
4184123.41	0.00106			
654095.75	4184123.41	0.00059		654145.75
4184123.41	0.00054			
654195.75	4184123.41	0.00051		654245.75
4184123.41	0.00048			
654295.75	4184123.41	0.00046		654345.75
4184123.41	0.00044			
653745.75	4184173.41	0.00055		653795.75
4184173.41	0.00064			
653845.75	4184173.41	0.00089		653945.75
4184173.41	0.00103			
654095.75	4184173.41	0.00057		654145.75
4184173.41	0.00052			
654195.75	4184173.41	0.00049		654245.75
4184173.41	0.00046			
654295.75	4184173.41	0.00044		653745.75
4184223.41	0.00053			
653795.75	4184223.41	0.00063		653845.75

4184223.41	0.00087			
653945.75	4184223.41	0.00100		654095.75
4184223.41	0.00055			
654145.75	4184223.41	0.00050		654195.75
4184223.41	0.00047			
654245.75	4184223.41	0.00044		653745.75
4184273.41	0.00051			
653795.75	4184273.41	0.00061		653845.75
4184273.41	0.00086			
653895.75	4184273.41	0.00134		653945.75
4184273.41	0.00098			
653995.75	4184273.41	0.00072		654095.75
4184273.41	0.00053			
654145.75	4184273.41	0.00048		654195.75
4184273.41	0.00045			
654245.75	4184273.41	0.00042		653745.75
4184323.41	0.00050			
653795.75	4184323.41	0.00060		653845.75
4184323.41	0.00085			
653895.75	4184323.41	0.00164		653945.75
4184323.41	0.00095			
654095.75	4184323.41	0.00051		654145.75
4184323.41	0.00046			
654195.75	4184323.41	0.00043		654245.75
4184323.41	0.00040			
653745.75	4184373.41	0.00048		653795.75
4184373.41	0.00058			
653845.75	4184373.41	0.00085		653895.75
4184373.41	0.00187			

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 *** 09:09:29

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
653945.75	4184373.41	0.00093	654095.75
4184373.41	0.00049		
654145.75	4184373.41	0.00044	654195.75
4184373.41	0.00041		
654245.75	4184373.41	0.00038	653745.75
4184423.41	0.00047		
653795.75	4184423.41	0.00057	653845.75
4184423.41	0.00084		
653895.75	4184423.41	0.00181	653945.75
4184423.41	0.00091		
654095.75	4184423.41	0.00047	654145.75
4184423.41	0.00043		
654195.75	4184423.41	0.00039	654245.75
4184423.41	0.00037		
654295.75	4184423.41	0.00035	653745.75
4184473.41	0.00045		
653795.75	4184473.41	0.00055	653845.75
4184473.41	0.00083		
653895.75	4184473.41	0.00175	653945.75
4184473.41	0.00088		
654095.75	4184473.41	0.00045	654145.75
4184473.41	0.00041		
654195.75	4184473.41	0.00037	654245.75
4184473.41	0.00035		
654295.75	4184473.41	0.00033	653745.75
4184523.41	0.00044		
653795.75	4184523.41	0.00054	653845.75
4184523.41	0.00082		
653895.75	4184523.41	0.00169	653945.75
4184523.41	0.00085		
654095.75	4184523.41	0.00043	654145.75
4184523.41	0.00038		
654195.75	4184523.41	0.00035	654245.75
4184523.41	0.00033		
654295.75	4184523.41	0.00031	653645.75
4184573.41	0.00034		
653695.75	4184573.41	0.00037	653745.75
4184573.41	0.00042		
653795.75	4184573.41	0.00052	653845.75
4184573.41	0.00081		
653895.75	4184573.41	0.00162	653945.75
4184573.41	0.00081		

654095.75	4184573.41	0.00040	654145.75
4184573.41	0.00036		
654195.75	4184573.41	0.00033	654245.75
4184573.41	0.00031		
654295.75	4184573.41	0.00029	653645.75
4184623.41	0.00032		
653695.75	4184623.41	0.00035	653745.75
4184623.41	0.00040		
653795.75	4184623.41	0.00050	653845.75
4184623.41	0.00079		
653895.75	4184623.41	0.00154	653945.75
4184623.41	0.00076		
654095.75	4184623.41	0.00037	654295.75
4184623.41	0.00028		
653645.75	4184673.41	0.00031	653695.75
4184673.41	0.00033		
653745.75	4184673.41	0.00038	653795.75
4184673.41	0.00047		
653845.75	4184673.41	0.00076	653895.75
4184673.41	0.00144		
653945.75	4184673.41	0.00068	653995.75
4184673.41	0.00047		
654045.75	4184673.41	0.00038	654095.75
4184673.41	0.00033		
653645.75	4184723.41	0.00029	653695.75
4184723.41	0.00031		
653745.75	4184723.41	0.00035	653795.75
4184723.41	0.00042		
653845.75	4184723.41	0.00067	653895.75
4184723.41	0.00119		
653945.75	4184723.41	0.00053	653995.75
4184723.41	0.00039		
654045.75	4184723.41	0.00033	654095.75
4184723.41	0.00030		
653745.75	4184773.41	0.00031	653795.75
4184773.41	0.00036		
653845.75	4184773.41	0.00045	653895.75
4184773.41	0.00042		

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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 *** 09:09:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (8760 HRS) AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,

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, L0011342      , L0011337      , L0011338      , L0011339      , L0011340      , L0011341
, L0011343      , L0011344      , L0011345      , L0011346      , L0011347      , L0011348      , L0011349
, L0011350      , L0011351      , L0011352      , L0011353      , L0011354      , L0011355      , L0011356      , L0011357
, L0011358      , L0011359      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
4184773.41	653945.75	4184773.41	0.00035	653995.75
4184823.41	653745.75	4184823.41	0.00028	653795.75
4184823.41	653845.75	4184823.41	0.00031	653895.75
4184823.41	653945.75	4184823.41	0.00027	653995.75
4184873.41	653745.75	4184873.41	0.00025	653795.75
4184873.41	653845.75	4184873.41	0.00025	653895.75
4184873.41	653945.75	4184873.41	0.00024	653995.75
4184923.41	653745.75	4184923.41	0.00023	653795.75
4184923.41	653845.75	4184923.41	0.00023	653895.75
4184923.41	653945.75	4184923.41	0.00022	653995.75
4184973.41	653745.75	4184973.41	0.00021	653795.75
4184973.41	653845.75	4184973.41	0.00021	653895.75
4184973.41	653945.75	4184973.41	0.00020	653995.75
4185023.41	653745.75	4185023.41	0.00020	653795.75
4185023.41	653845.75	4185023.41	0.00019	653895.75
4185023.41	653945.75	4185023.41	0.00019	653995.75
	653745.75	4185073.41	0.00019	653795.75

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4185073.41      0.00018
      653845.75      4185073.41      0.00018      653895.75
4185073.41      0.00018
      653945.75      4185073.41      0.00018      653995.75
4185073.41      0.00018
      653745.75      4185123.41      0.00018      653795.75
4185123.41      0.00017
      653845.75      4185123.41      0.00017      653895.75
4185123.41      0.00017
      653945.75      4185123.41      0.00017      653995.75
4185123.41      0.00017
      653745.75      4185173.41      0.00017      653795.75
4185173.41      0.00017
      653845.75      4185173.41      0.00017      653895.75
4185173.41      0.00016
      653945.75      4185173.41      0.00016      653995.75
4185173.41      0.00016

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^ *** AERMOD - VERSION 21112 ***      *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***      03/04/22
*** AERMET - VERSION 18081 ***      ***
***      09:09:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
      INCLUDING SOURCE(S):      L0011332      , L0011333
, L0011334      , L0011335      , L0011336      ,
      L0011337      , L0011338      , L0011339      , L0011340      , L0011341
, L0011342      , L0011343      , L0011344      ,
      L0011345      , L0011346      , L0011347      , L0011348      , L0011349
, L0011350      , L0011351      , L0011352      ,
      L0011353      , L0011354      , L0011355      , L0011356      , L0011357
, L0011358      , L0011359      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
653895.75	4180773.41	0.00923 (17122418)	653945.75
4180773.41	0.01417 (17012524)		
653895.75	4180823.41	0.00946 (17122418)	653945.75
4180823.41	0.01468 (17012524)		

653995.75	4180823.41	0.01295	(17121920)	654045.75
4180823.41	0.00984 (17020504)			
654195.75	4180823.41	0.00780	(17122221)	654245.75
4180923.41	0.00812 (17021418)			
654245.75	4180973.41	0.00837	(17021418)	653995.75
4181023.41	0.01343 (17121920)			
653995.75	4181073.41	0.01366	(17121920)	654045.75
4181073.41	0.01117 (17020504)			
653895.75	4181273.41	0.01250	(17012524)	653495.75
4181323.41	0.00967 (17012817)			
653545.75	4181323.41	0.00959	(17122706)	653895.75
4181323.41	0.01317 (17012524)			
653495.75	4181373.41	0.01039	(17012817)	653545.75
4181373.41	0.01036 (17122706)			
653895.75	4181373.41	0.01373	(17012524)	653995.75
4181373.41	0.01579 (17020504)			
653895.75	4181423.41	0.01421	(17012524)	653795.75
4181473.41	0.01250 (17123009)			
653895.75	4181473.41	0.01448	(17012524)	653895.75
4181523.41	0.01486 (17012524)			
654195.75	4181523.41	0.01291	(17011120)	653995.75
4181673.41	0.01785 (17020504)			
653995.75	4181723.41	0.01835	(17020504)	654145.75
4181723.41	0.01520 (17011120)			
654245.75	4181723.41	0.01415	(17020820)	653995.75
4181773.41	0.01891 (17120606)			
653995.75	4181823.41	0.01976	(17122221)	654045.75
4181823.41	0.01835 (17021418)			
653945.75	4182123.41	0.03324	(17021418)	653895.75
4182223.41	0.03151 (17020504)			
654245.75	4182323.41	0.02670	(17012417)	653145.75
4182373.41	0.02036 (17020902)			
653195.75	4182373.41	0.02210	(17020902)	653245.75
4182373.41	0.02294 (17020821)			
653295.75	4182373.41	0.02428	(17022119)	653345.75
4182373.41	0.02572 (17011206)			
653395.75	4182373.41	0.02732	(17011418)	653445.75
4182373.41	0.02980 (17122817)			
653495.75	4182373.41	0.03140	(17122817)	653545.75
4182373.41	0.03291 (17122818)			
653595.75	4182373.41	0.03653	(17122818)	653645.75
4182373.41	0.03808 (17122819)			
653695.75	4182373.41	0.03873	(17011603)	653745.75
4182373.41	0.04141 (17012517)			
653795.75	4182373.41	0.04444	(17011209)	653845.75
4182373.41	0.04612 (17020417)			
653895.75	4182373.41	0.04412	(17021318)	654245.75
4182373.41	0.02934 (17120117)			
653145.75	4182423.41	0.02161	(17020422)	653195.75
4182423.41	0.02256 (17020108)			

653245.75	4182423.41	0.02480	(17020902)	653295.75
4182423.41	0.02623	(17020902)		
653345.75	4182423.41	0.02785	(17022119)	653395.75
4182423.41	0.02945	(17011418)		
653445.75	4182423.41	0.03212	(17122419)	653495.75
4182423.41	0.03526	(17122817)		
653545.75	4182423.41	0.03535	(17122817)	653595.75
4182423.41	0.04084	(17122818)		
653645.75	4182423.41	0.04203	(17121502)	653695.75
4182423.41	0.04412	(17011603)		
653745.75	4182423.41	0.04680	(17012517)	653795.75
4182423.41	0.05134	(17012517)		
653845.75	4182423.41	0.05264	(17020417)	653895.75
4182423.41	0.05100	(17022520)		
654245.75	4182423.41	0.03131	(17121919)	653145.75
4182473.41	0.02356	(17020719)		
653195.75	4182473.41	0.02495	(17020422)	653245.75
4182473.41	0.02556	(17020108)		
653295.75	4182473.41	0.02809	(17020902)	653345.75
4182473.41	0.03044	(17020902)		
653395.75	4182473.41	0.03244	(17022119)	653445.75
4182473.41	0.03450	(17011418)		
653495.75	4182473.41	0.03861	(17122419)	653545.75
4182473.41	0.04169	(17122817)		
653595.75	4182473.41	0.04367	(17122818)	653645.75
4182473.41	0.04880	(17122818)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION

 VALUES FOR SOURCE GROUP: ALL INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
653695.75	4182473.41	0.05191	(17122819)	653745.75
4182473.41	0.05420 (17012519)			
653795.75	4182473.41	0.06084	(17012517)	653895.75
4182473.41	0.05908 (17022520)			
654245.75	4182473.41	0.03440	(17021019)	653145.75
4182523.41	0.02483 (17020322)			
653195.75	4182523.41	0.02700	(17020719)	653245.75
4182523.41	0.02876 (17020422)			
653295.75	4182523.41	0.03053	(17020422)	653345.75
4182523.41	0.03199 (17020902)			
653395.75	4182523.41	0.03578	(17020902)	653445.75
4182523.41	0.03849 (17022119)			
653495.75	4182523.41	0.04105	(17011418)	653545.75
4182523.41	0.04746 (17122419)			
653595.75	4182523.41	0.04940	(17122817)	653645.75
4182523.41	0.05690 (17122818)			
653695.75	4182523.41	0.06060	(17122819)	653745.75
4182523.41	0.06361 (17012519)			
653795.75	4182523.41	0.07384	(17012517)	653895.75
4182523.41	0.06958 (17022519)			
653945.75	4182523.41	0.06888	(17012619)	654245.75
4182523.41	0.03687 (17021018)			
653145.75	4182573.41	0.02683	(17020119)	653195.75
4182573.41	0.02849 (17020119)			
653245.75	4182573.41	0.03060	(17020322)	653295.75
4182573.41	0.03404 (17020719)			
653345.75	4182573.41	0.03653	(17020422)	653395.75
4182573.41	0.03830 (17020422)			
653445.75	4182573.41	0.04281	(17020902)	653495.75
4182573.41	0.04742 (17020821)			
653545.75	4182573.41	0.05061	(17011418)	653595.75
4182573.41	0.06012 (17122419)			
653645.75	4182573.41	0.06210	(17122818)	653695.75
4182573.41	0.06945 (17122818)			
653745.75	4182573.41	0.07539	(17012519)	653795.75
4182573.41	0.09250 (17012517)			
653895.75	4182573.41	0.08929	(17022519)	653945.75
4182573.41	0.07978 (17011319)			
653995.75	4182573.41	0.06912	(17010518)	654045.75
4182573.41	0.06152 (17120424)			
654095.75	4182573.41	0.05524	(17021019)	654145.75
4182573.41	0.04895 (17021019)			
654195.75	4182573.41	0.04426	(17021018)	654245.75
4182573.41	0.03863 (17121922)			
653145.75	4182623.41	0.02675	(17020424)	653195.75

4182623.41	0.02984	(17020119)			
653245.75	4182623.41	0.03354	(17020119)		653295.75
4182623.41	0.03685	(17020119)			
653345.75	4182623.41	0.03946	(17020719)		653395.75
4182623.41	0.04522	(17020719)			
653445.75	4182623.41	0.04875	(17020422)		653495.75
4182623.41	0.05226	(17011602)			
653545.75	4182623.41	0.06104	(17020821)		653595.75
4182623.41	0.06687	(17122419)			
653645.75	4182623.41	0.07794	(17122419)		653695.75
4182623.41	0.08733	(17122818)			
653745.75	4182623.41	0.09244	(17012502)		653795.75
4182623.41	0.12104	(17012517)			
653895.75	4182623.41	0.11097	(17012619)		653945.75
4182623.41	0.09480	(17010518)			
653995.75	4182623.41	0.08159	(17120424)		654045.75
4182623.41	0.07275	(17021019)			
654095.75	4182623.41	0.06247	(17021018)		654145.75
4182623.41	0.05368	(17010505)			
654195.75	4182623.41	0.04513	(17121922)		654245.75
4182623.41	0.03714	(17121922)			
653145.75	4182673.41	0.02763	(17020822)		653195.75
4182673.41	0.03052	(17020822)			
653245.75	4182673.41	0.03354	(17020822)		653295.75
4182673.41	0.03721	(17020323)			
653345.75	4182673.41	0.04401	(17020119)		653395.75
4182673.41	0.05075	(17020119)			
653445.75	4182673.41	0.05540	(17020119)		653495.75
4182673.41	0.06494	(17020719)			
653545.75	4182673.41	0.06956	(17020718)		653595.75
4182673.41	0.08214	(17020821)			
653645.75	4182673.41	0.09537	(17122419)		653695.75
4182673.41	0.10704	(17032007)			
653745.75	4182673.41	0.11882	(17122819)		653795.75
4182673.41	0.16863	(17012517)			

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349

, L0011350 , L0011351 , L0011352 ,
 , L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)
653895.75	4182673.41	0.13665	(17011319)	653945.75
4182673.41	0.11711 (17020418)			
653995.75	4182673.41	0.10133	(17021019)	654045.75
4182673.41	0.08303 (17021018)			
654095.75	4182673.41	0.06581	(17021008)	654145.75
4182673.41	0.05080 (17121922)			
654195.75	4182673.41	0.04169	(17121523)	654245.75
4182673.41	0.03649 (17121523)			
653145.75	4182723.41	0.02740	(17121802)	653195.75
4182723.41	0.03022 (17121802)			
653245.75	4182723.41	0.03354	(17011802)	653295.75
4182723.41	0.03813 (17020822)			
653345.75	4182723.41	0.04421	(17020822)	653395.75
4182723.41	0.05100 (17020822)			
653445.75	4182723.41	0.06033	(17020119)	653495.75
4182723.41	0.07545 (17020119)			
653545.75	4182723.41	0.08780	(17020119)	653595.75
4182723.41	0.10432 (17020719)			
653645.75	4182723.41	0.11763	(17020821)	653695.75
4182723.41	0.14952 (17122419)			
653745.75	4182723.41	0.16266	(17032007)	653795.75
4182723.41	0.25604 (17012517)			
653945.75	4182723.41	0.15261	(17021019)	653995.75
4182723.41	0.11288 (17010505)			
654045.75	4182723.41	0.07705	(17021008)	654095.75
4182723.41	0.06225 (17121523)			
654145.75	4182723.41	0.05104	(17022808)	654195.75
4182723.41	0.04293 (17022808)			
654245.75	4182723.41	0.03736	(17122309)	653145.75
4182773.41	0.02765 (17121723)			
653195.75	4182773.41	0.03079	(17121723)	653245.75
4182773.41	0.03467 (17121723)			
653295.75	4182773.41	0.03942	(17121723)	653345.75
4182773.41	0.04509 (17121723)			
653395.75	4182773.41	0.05196	(17121723)	653445.75
4182773.41	0.05999 (17121723)			

653495.75	4182773.41	0.07240	(17020822)	653545.75
4182773.41	0.09133 (17020822)			
653595.75	4182773.41	0.12585	(17020119)	653645.75
4182773.41	0.17428 (17020119)			
653695.75	4182773.41	0.20610	(17020719)	653745.75
4182773.41	0.25255 (17122419)			
654095.75	4182773.41	0.06335	(17120423)	654145.75
4182773.41	0.05236 (17120423)			
654195.75	4182773.41	0.04374	(17120423)	654245.75
4182773.41	0.03748 (17021106)			
653145.75	4182823.41	0.02861	(17010209)	653195.75
4182823.41	0.03179 (17010209)			
653245.75	4182823.41	0.03571	(17010209)	653295.75
4182823.41	0.04053 (17010703)			
653345.75	4182823.41	0.04669	(17010703)	653395.75
4182823.41	0.05463 (17010703)			
653445.75	4182823.41	0.06519	(17010703)	653495.75
4182823.41	0.07969 (17010703)			
653545.75	4182823.41	0.10042	(17010703)	653595.75
4182823.41	0.13149 (17010703)			
653645.75	4182823.41	0.18179	(17010703)	653695.75
4182823.41	0.27455 (17121723)			
654145.75	4182823.41	0.05320	(17022823)	654195.75
4182823.41	0.04450 (17022823)			
654245.75	4182823.41	0.03799	(17022823)	652795.75
4182873.41	0.01720 (17012309)			
652845.75	4182873.41	0.01836	(17012309)	652895.75
4182873.41	0.01968 (17012309)			
652945.75	4182873.41	0.02114	(17012309)	652995.75
4182873.41	0.02282 (17012309)			
653045.75	4182873.41	0.02473	(17012309)	653095.75
4182873.41	0.02695 (17012309)			
653145.75	4182873.41	0.02951	(17012309)	653195.75
4182873.41	0.03254 (17012309)			
653245.75	4182873.41	0.03642	(17021424)	653295.75
4182873.41	0.04168 (17020717)			
653345.75	4182873.41	0.04873	(17020717)	653395.75
4182873.41	0.05784 (17020717)			
653445.75	4182873.41	0.06991	(17020717)	653495.75
4182873.41	0.08634 (17020717)			
653545.75	4182873.41	0.10914	(17020717)	653595.75
4182873.41	0.14345 (17021506)			
653645.75	4182873.41	0.21035	(17020121)	654195.75
4182873.41	0.04316 (17122421)			

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Manteca\Maverik Manteca_operations\Mave *** 03/04/22

*** AERMET - VERSION 18081 ***

*** 09:09:29

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
654245.75	4182873.41	0.03688	(17122421)	654295.75
4182873.41	0.03205	(17121017)		
654645.75	4182873.41	0.01718	(17011119)	654695.75
4182873.41	0.01602	(17011119)		
654745.75	4182873.41	0.01500	(17011119)	654795.75
4182873.41	0.01409	(17011119)		
654845.75	4182873.41	0.01327	(17011119)	654895.75
4182873.41	0.01256	(17122720)		
654945.75	4182873.41	0.01195	(17122720)	654995.75
4182873.41	0.01141	(17122720)		
652795.75	4182923.41	0.01671	(17020717)	652845.75
4182923.41	0.01807	(17020717)		
652895.75	4182923.41	0.01962	(17020717)	652945.75
4182923.41	0.02131	(17020717)		
652995.75	4182923.41	0.02329	(17020717)	653045.75
4182923.41	0.02553	(17020717)		
653095.75	4182923.41	0.02809	(17020717)	653145.75
4182923.41	0.03102	(17020717)		
653195.75	4182923.41	0.03437	(17020717)	653245.75
4182923.41	0.03824	(17020717)		
653295.75	4182923.41	0.04266	(17020717)	653345.75
4182923.41	0.04907	(17021506)		
653395.75	4182923.41	0.05733	(17021506)	653445.75
4182923.41	0.06930	(17020121)		
653495.75	4182923.41	0.08400	(17020121)	653545.75
4182923.41	0.10367	(17021504)		
653595.75	4182923.41	0.13244	(17010704)	654245.75

4182923.41	0.03677	(17020320)			
654295.75	4182923.41	0.03228	(17020320)		654345.75
4182923.41	0.02850	(17020320)			
654395.75	4182923.41	0.02536	(17123019)		654445.75
4182923.41	0.02325	(17123019)			
654495.75	4182923.41	0.02144	(17021220)		654545.75
4182923.41	0.01987	(17021220)			
654595.75	4182923.41	0.01848	(17021220)		654645.75
4182923.41	0.01722	(17021220)			
654695.75	4182923.41	0.01609	(17021220)		654745.75
4182923.41	0.01508	(17021220)			
654795.75	4182923.41	0.01417	(17021220)		654845.75
4182923.41	0.01337	(17011119)			
654895.75	4182923.41	0.01269	(17011119)		654945.75
4182923.41	0.01209	(17011119)			
654995.75	4182923.41	0.01156	(17011119)		655045.75
4182923.41	0.01110	(17011119)			
655095.75	4182923.41	0.01067	(17011119)		652795.75
4182973.41	0.01738	(17020717)			
652845.75	4182973.41	0.01857	(17020717)		652895.75
4182973.41	0.01983	(17020717)			
652945.75	4182973.41	0.02118	(17020717)		652995.75
4182973.41	0.02263	(17020717)			
653045.75	4182973.41	0.02446	(17021506)		653095.75
4182973.41	0.02699	(17021506)			
653145.75	4182973.41	0.02975	(17021506)		653195.75
4182973.41	0.03293	(17020121)			
653245.75	4182973.41	0.03748	(17020121)		653295.75
4182973.41	0.04236	(17020121)			
653345.75	4182973.41	0.04720	(17020121)		653395.75
4182973.41	0.05523	(17021504)			
653445.75	4182973.41	0.06382	(17021505)		653495.75
4182973.41	0.07560	(17121408)			
653545.75	4182973.41	0.09823	(17021608)		654295.75
4182973.41	0.03210	(17012917)			
654345.75	4182973.41	0.02830	(17012917)		654395.75
4182973.41	0.02505	(17021218)			
654445.75	4182973.41	0.02300	(17121117)		654495.75
4182973.41	0.02122	(17120821)			
654545.75	4182973.41	0.01970	(17120821)		654595.75
4182973.41	0.01830	(17120821)			
654645.75	4182973.41	0.01701	(17120821)		654695.75
4182973.41	0.01592	(17123019)			
654745.75	4182973.41	0.01502	(17123019)		654795.75
4182973.41	0.01419	(17123019)			
654845.75	4182973.41	0.01343	(17123019)		654895.75
4182973.41	0.01273	(17123019)			
654945.75	4182973.41	0.01210	(17123019)		654995.75
4182973.41	0.01154	(17123019)			
655045.75	4182973.41	0.01107	(17021220)		655095.75

4182973.41 0.01066 (17021220)
 652795.75 4183023.41 0.01653 (17010624) 652845.75
 4183023.41 0.01783 (17021506)

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
652895.75	4183023.41	0.01916 (17021506)	652945.75
4183023.41	0.02051 (17021506)		
652995.75	4183023.41	0.02235 (17020121)	653045.75
4183023.41	0.02457 (17020121)		
653095.75	4183023.41	0.02684 (17020121)	653145.75
4183023.41	0.02906 (17020121)		
653195.75	4183023.41	0.03191 (17021504)	653245.75
4183023.41	0.03588 (17021504)		
653295.75	4183023.41	0.03955 (17021504)	653345.75
4183023.41	0.04491 (17021505)		
653395.75	4183023.41	0.05124 (17021421)	653445.75
4183023.41	0.06191 (17021608)		
653495.75	4183023.41	0.07315 (17021608)	654295.75
4183023.41	0.03026 (17013017)		
654345.75	4183023.41	0.02758 (17012917)	654395.75
4183023.41	0.02545 (17012917)		
654445.75	4183023.41	0.02331 (17012917)	654495.75
4183023.41	0.02128 (17012917)		

654545.75	4183023.41	0.01935	(17012917)	654595.75
4183023.41	0.01817 (17013120)			
654645.75	4183023.41	0.01708	(17013120)	654695.75
4183023.41	0.01604 (17013120)			
654745.75	4183023.41	0.01510	(17120821)	654795.75
4183023.41	0.01430 (17120821)			
654845.75	4183023.41	0.01354	(17120821)	654895.75
4183023.41	0.01283 (17120821)			
654945.75	4183023.41	0.01218	(17120821)	654995.75
4183023.41	0.01158 (17123019)			
655045.75	4183023.41	0.01116	(17123019)	652795.75
4183073.41	0.01665 (17121720)			
652845.75	4183073.41	0.01783	(17020121)	652895.75
4183073.41	0.01911 (17020121)			
652945.75	4183073.41	0.02039	(17122523)	652995.75
4183073.41	0.02189 (17011123)			
653045.75	4183073.41	0.02362	(17120518)	653095.75
4183073.41	0.02582 (17021504)			
654345.75	4183073.41	0.02682	(17013017)	654395.75
4183073.41	0.02453 (17013017)			
654445.75	4183073.41	0.02216	(17013017)	654495.75
4183073.41	0.02059 (17012917)			
654545.75	4183073.41	0.01938	(17012917)	654595.75
4183073.41	0.01812 (17012917)			
654645.75	4183073.41	0.01690	(17012917)	654695.75
4183073.41	0.01578 (17013120)			
654745.75	4183073.41	0.01510	(17013120)	654795.75
4183073.41	0.01442 (17013120)			
654845.75	4183073.41	0.01375	(17013120)	654895.75
4183073.41	0.01309 (17013120)			
654945.75	4183073.41	0.01247	(17013120)	654995.75
4183073.41	0.01188 (17013120)			
655045.75	4183073.41	0.01140	(17120821)	653595.75
4183123.41	0.05179 (17021619)			
654895.75	4183123.41	0.01322	(17122919)	654945.75
4183123.41	0.01278 (17122919)			
654445.75	4183273.41	0.02839	(17122322)	654495.75
4183273.41	0.02738 (17011109)			
654545.75	4183273.41	0.02621	(17011109)	654595.75
4183273.41	0.02465 (17011109)			
654645.75	4183273.41	0.02318	(17122709)	654695.75
4183273.41	0.02252 (17120217)			
654745.75	4183273.41	0.02246	(17013017)	654795.75
4183273.41	0.02232 (17013017)			
654845.75	4183273.41	0.02205	(17013017)	654895.75
4183273.41	0.02173 (17013017)			
654945.75	4183273.41	0.02137	(17013017)	654345.75
4183323.41	0.02441 (17120122)			
654395.75	4183323.41	0.02375	(17012922)	654445.75
4183323.41	0.02297 (17012922)			

654495.75	4183323.41	0.02241	(17013119)	654545.75
4183323.41	0.02188	(17011109)		
654595.75	4183323.41	0.02130	(17011109)	654645.75
4183323.41	0.02030	(17011109)		
654695.75	4183323.41	0.01906	(17011109)	654745.75
4183323.41	0.01773	(17011109)		
654795.75	4183323.41	0.01699	(17120217)	654845.75
4183323.41	0.01658	(17013017)		
654895.75	4183323.41	0.01640	(17013017)	654945.75
4183323.41	0.01613	(17013017)		
654995.75	4183323.41	0.01579	(17013017)	655045.75
4183323.41	0.01539	(17013017)		

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YMMDDHH)		
655095.75	4183323.41	0.01495	(17013017)	655145.75
4183323.41	0.01448	(17013017)		
655195.75	4183323.41	0.01426	(17012917)	655245.75
4183323.41	0.01419	(17012917)		
654295.75	4183373.41	0.02354	(17120124)	654345.75
4183373.41	0.02224	(17011918)		
654395.75	4183373.41	0.02126	(17012809)	654795.75
4183373.41	0.01588	(17011109)		
654845.75	4183373.41	0.01478	(17011109)	654895.75

4183373.41	0.01415	(17120217)			
654945.75	4183373.41		0.01366	(17120217)	654995.75
4183373.41	0.01352	(17013017)			
655045.75	4183373.41		0.01331	(17013017)	655095.75
4183373.41	0.01303	(17013017)			
655145.75	4183373.41		0.01272	(17013017)	655195.75
4183373.41	0.01240	(17013017)			
655245.75	4183373.41		0.01204	(17013017)	655295.75
4183373.41	0.01166	(17013017)			
655345.75	4183373.41		0.01147	(17012917)	654295.75
4183423.41	0.02169	(17020904)			
654395.75	4183423.41		0.01970	(17120205)	654445.75
4183423.41	0.01894	(17012809)			
654495.75	4183423.41		0.01829	(17120122)	654545.75
4183423.41	0.01765	(17012922)			
654595.75	4183423.41		0.01687	(17120718)	654645.75
4183423.41	0.01662	(17013119)			
654695.75	4183423.41		0.01623	(17011109)	654745.75
4183423.41	0.01595	(17011109)			
654795.75	4183423.41		0.01536	(17011109)	654895.75
4183423.41	0.01367	(17011109)			
654945.75	4183423.41		0.01275	(17011109)	654995.75
4183423.41	0.01226	(17120217)			
655045.75	4183423.41		0.01189	(17120217)	655095.75
4183423.41	0.01172	(17013017)			
655145.75	4183423.41		0.01162	(17013017)	655195.75
4183423.41	0.01146	(17013017)			
655245.75	4183423.41		0.01123	(17013017)	655295.75
4183423.41	0.01097	(17013017)			
655345.75	4183423.41		0.01071	(17013017)	655395.75
4183423.41	0.01046	(17013017)			
655445.75	4183423.41		0.01021	(17122219)	655545.75
4183423.41	0.01000	(17012917)			
655595.75	4183423.41		0.00994	(17012917)	654295.75
4183473.41	0.02005	(17020124)			
654345.75	4183473.41		0.01929	(17020904)	654395.75
4183473.41	0.01853	(17120124)			
654445.75	4183473.41		0.01774	(17120205)	654495.75
4183473.41	0.01718	(17012809)			
654545.75	4183473.41		0.01668	(17120122)	654595.75
4183473.41	0.01619	(17012922)			
654645.75	4183473.41		0.01559	(17120718)	654695.75
4183473.41	0.01515	(17013119)			
654745.75	4183473.41		0.01479	(17122322)	654795.75
4183473.41	0.01447	(17011109)			
654845.75	4183473.41		0.01411	(17011109)	654895.75
4183473.41	0.01356	(17011109)			
654945.75	4183473.41		0.01289	(17011109)	655345.75
4183473.41	0.01017	(17013017)			
655395.75	4183473.41		0.01001	(17013017)	655445.75

4183473.41	0.00982	(17013017)			
655495.75	4183473.41	0.00958	(17013017)		655545.75
4183473.41	0.00931	(17122219)			
655595.75	4183473.41	0.00910	(17122219)		655645.75
4183473.41	0.00892	(17121118)			
655695.75	4183473.41	0.00878	(17012917)		655745.75
4183473.41	0.00873	(17012917)			
654195.75	4183523.41	0.02097	(17121820)		654245.75
4183523.41	0.01985	(17120123)			
654295.75	4183523.41	0.01900	(17120123)		654345.75
4183523.41	0.01804	(17020124)			
654395.75	4183523.41	0.01785	(17020904)		654445.75
4183523.41	0.01724	(17120124)			
654495.75	4183523.41	0.01663	(17011918)		654545.75
4183523.41	0.01611	(17012809)			
654595.75	4183523.41	0.01553	(17120122)		654645.75
4183523.41	0.01499	(17012922)			
654695.75	4183523.41	0.01447	(17012922)		654745.75
4183523.41	0.01387	(17013119)			
654795.75	4183523.41	0.01360	(17013119)		654845.75
4183523.41	0.01324	(17122322)			

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

654895.75	4183523.41	0.01303	(17011109)	654945.75
4183523.41	0.01270 (17011109)			
655295.75	4183523.41	0.00959	(17120217)	655345.75
4183523.41	0.00950 (17013017)			
655395.75	4183523.41	0.00946	(17013017)	655445.75
4183523.41	0.00938 (17013017)			
655495.75	4183523.41	0.00923	(17013017)	655545.75
4183523.41	0.00900 (17013017)			
655595.75	4183523.41	0.00876	(17013017)	655645.75
4183523.41	0.00849 (17013017)			
655695.75	4183523.41	0.00826	(17122219)	655745.75
4183523.41	0.00807 (17121118)			
654145.75	4183573.41	0.01985	(17121905)	654195.75
4183573.41	0.01948 (17121820)			
654245.75	4183573.41	0.01876	(17121820)	654295.75
4183573.41	0.01857 (17120123)			
654345.75	4183573.41	0.01793	(17020124)	654395.75
4183573.41	0.01712 (17020124)			
654445.75	4183573.41	0.01687	(17020904)	654495.75
4183573.41	0.01610 (17120124)			
654545.75	4183573.41	0.01549	(17011918)	654595.75
4183573.41	0.01494 (17012809)			
654645.75	4183573.41	0.01439	(17120122)	654695.75
4183573.41	0.01386 (17120122)			
654745.75	4183573.41	0.01345	(17012922)	654795.75
4183573.41	0.01291 (17120718)			
654845.75	4183573.41	0.01261	(17013119)	654895.75
4183573.41	0.01232 (17122322)			
654945.75	4183573.41	0.01203	(17011109)	655295.75
4183573.41	0.00937 (17120217)			
655345.75	4183573.41	0.00917	(17120217)	655395.75
4183573.41	0.00894 (17120217)			
655445.75	4183573.41	0.00875	(17013017)	655495.75
4183573.41	0.00870 (17013017)			
655545.75	4183573.41	0.00857	(17013017)	655595.75
4183573.41	0.00840 (17013017)			
655645.75	4183573.41	0.00820	(17013017)	655695.75
4183573.41	0.00799 (17013017)			
655745.75	4183573.41	0.00776	(17013017)	652295.75
4183623.41	0.00914 (17020721)			
652345.75	4183623.41	0.00939	(17011108)	654145.75
4183623.41	0.01827 (17120204)			
654195.75	4183623.41	0.01862	(17121905)	654245.75
4183623.41	0.01860 (17121820)			
654295.75	4183623.41	0.01765	(17011608)	654345.75
4183623.41	0.01728 (17120123)			
654195.75	4183673.41	0.01768	(17121905)	654245.75
4183673.41	0.01748 (17121820)			
654295.75	4183673.41	0.01688	(17121820)	654345.75
4183673.41	0.01612 (17120123)			

653845.75	4183723.41	0.01827	(17020117)	654245.75
4183723.41	0.01610 (17121905)			
654295.75	4183723.41	0.01591	(17121820)	654345.75
4183723.41	0.01510 (17011608)			
653845.75	4183773.41	0.01725	(17021222)	654045.75
4183773.41	0.01684 (17021304)			
654095.75	4183773.41	0.01622	(17021304)	654145.75
4183773.41	0.01562 (17120204)			
654195.75	4183773.41	0.01522	(17120204)	654245.75
4183773.41	0.01492 (17121905)			
654295.75	4183773.41	0.01466	(17121820)	654345.75
4183773.41	0.01432 (17121820)			
653845.75	4183823.41	0.01647	(17021222)	654045.75
4183823.41	0.01606 (17122822)			
654095.75	4183823.41	0.01555	(17021304)	654145.75
4183823.41	0.01447 (17120204)			
654195.75	4183823.41	0.01443	(17120204)	654245.75
4183823.41	0.01373 (17121905)			
654295.75	4183823.41	0.01362	(17121905)	654345.75
4183823.41	0.01351 (17121820)			
653945.75	4183873.41	0.01704	(17120719)	653995.75
4183873.41	0.01565 (17122703)			
654045.75	4183873.41	0.01537	(17122822)	654095.75
4183873.41	0.01489 (17021304)			
654145.75	4183873.41	0.01381	(17021304)	654195.75
4183873.41	0.01353 (17120204)			
654245.75	4183873.41	0.01296	(17120204)	654295.75
4183873.41	0.01273 (17121905)			
654345.75	4183873.41	0.01253	(17121820)	653845.75
4183923.41	0.01530 (17121917)			

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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 *** 09:09:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653945.75	4183923.41	0.01634	(17120719)	653995.75
4183923.41	0.01490	(17010124)		
654045.75	4183923.41	0.01465	(17122822)	654095.75
4183923.41	0.01424	(17021304)		
654145.75	4183923.41	0.01344	(17021304)	654195.75
4183923.41	0.01277	(17120204)		
654245.75	4183923.41	0.01247	(17120204)	654295.75
4183923.41	0.01186	(17121905)		
654345.75	4183923.41	0.01179	(17121905)	653745.75
4183973.41	0.01362	(17020906)		
653745.75	4184023.41	0.01287	(17020906)	653795.75
4184023.41	0.01345	(17121917)		
653845.75	4184023.41	0.01422	(17121917)	653945.75
4184023.41	0.01492	(17120719)		
653995.75	4184023.41	0.01385	(17120719)	654045.75
4184023.41	0.01330	(17122703)		
654095.75	4184023.41	0.01308	(17122822)	654145.75
4184023.41	0.01269	(17021304)		
654195.75	4184023.41	0.01181	(17021304)	654245.75
4184023.41	0.01170	(17120204)		
654295.75	4184023.41	0.01142	(17120204)	653745.75
4184073.41	0.01174	(17020906)		
653795.75	4184073.41	0.01275	(17121917)	653845.75
4184073.41	0.01365	(17121917)		
653945.75	4184073.41	0.01423	(17120719)	654095.75
4184073.41	0.01254	(17122822)		
654145.75	4184073.41	0.01224	(17021304)	654195.75
4184073.41	0.01164	(17021304)		
654245.75	4184073.41	0.01124	(17120204)	654295.75
4184073.41	0.01155	(17120204)		
653745.75	4184123.41	0.01102	(17020906)	653795.75
4184123.41	0.01182	(17121917)		
653845.75	4184123.41	0.01299	(17121917)	653945.75
4184123.41	0.01352	(17120719)		
654095.75	4184123.41	0.01195	(17122822)	654145.75
4184123.41	0.01173	(17021304)		
654195.75	4184123.41	0.01144	(17021304)	654245.75
4184123.41	0.01073	(17120204)		
654295.75	4184123.41	0.01100	(17120204)	654345.75
4184123.41	0.01064	(17120204)		
653745.75	4184173.41	0.01055	(17020906)	653795.75

4184173.41	0.01108	(17121917)			
653845.75	4184173.41	0.01235	(17121917)		653945.75
4184173.41	0.01290	(17021222)			
654095.75	4184173.41	0.01137	(17013124)		654145.75
4184173.41	0.01122	(17122822)			
654195.75	4184173.41	0.01103	(17021304)		654245.75
4184173.41	0.01036	(17021304)			
654295.75	4184173.41	0.01025	(17120204)		653745.75
4184223.41	0.01018	(17020906)			
653795.75	4184223.41	0.01074	(17121917)		653845.75
4184223.41	0.01181	(17121917)			
653945.75	4184223.41	0.01241	(17021222)		654095.75
4184223.41	0.01084	(17013124)			
654145.75	4184223.41	0.01073	(17122822)		654195.75
4184223.41	0.01051	(17021304)			
654245.75	4184223.41	0.00999	(17021304)		653745.75
4184273.41	0.00975	(17020906)			
653795.75	4184273.41	0.01025	(17121917)		653845.75
4184273.41	0.01130	(17121917)			
653895.75	4184273.41	0.01491	(17021222)		653945.75
4184273.41	0.01188	(17021222)			
653995.75	4184273.41	0.01119	(17120719)		654095.75
4184273.41	0.01034	(17122703)			
654145.75	4184273.41	0.01024	(17122822)		654195.75
4184273.41	0.01001	(17021304)			
654245.75	4184273.41	0.00966	(17021304)		653745.75
4184323.41	0.00928	(17020906)			
653795.75	4184323.41	0.00974	(17121917)		653845.75
4184323.41	0.01080	(17121917)			
653895.75	4184323.41	0.01453	(17021222)		653945.75
4184323.41	0.01135	(17021222)			
654095.75	4184323.41	0.00987	(17122703)		654145.75
4184323.41	0.00977	(17122822)			
654195.75	4184323.41	0.00955	(17021304)		654245.75
4184323.41	0.00934	(17021304)			
653745.75	4184373.41	0.00889	(17020906)		653795.75
4184373.41	0.00933	(17121917)			
653845.75	4184373.41	0.01039	(17121917)		653895.75
4184373.41	0.01426	(17021222)			

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333

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, L0011334      , L0011335      , L0011336      ,
                  L0011337      , L0011338      , L0011339      , L0011340      , L0011341
, L0011342      , L0011343      , L0011344      ,
                  L0011345      , L0011346      , L0011347      , L0011348      , L0011349
, L0011350      , L0011351      , L0011352      ,
                  L0011353      , L0011354      , L0011355      , L0011356      , L0011357
, L0011358      , L0011359      , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
653945.75	4184373.41	0.01086	(17021222)	654095.75
4184373.41	0.00942 (17122703)			
654145.75	4184373.41	0.00931	(17122822)	654195.75
4184373.41	0.00918 (17122822)			
654245.75	4184373.41	0.00900	(17021304)	653745.75
4184423.41	0.00858 (17020906)			
653795.75	4184423.41	0.00901	(17121917)	653845.75
4184423.41	0.01008 (17121917)			
653895.75	4184423.41	0.01364	(17021222)	653945.75
4184423.41	0.01043 (17021222)			
654095.75	4184423.41	0.00897	(17122703)	654145.75
4184423.41	0.00889 (17013124)			
654195.75	4184423.41	0.00882	(17122822)	654245.75
4184423.41	0.00865 (17021304)			
654295.75	4184423.41	0.00836	(17021304)	653745.75
4184473.41	0.00830 (17020906)			
653795.75	4184473.41	0.00873	(17121917)	653845.75
4184473.41	0.00984 (17121917)			
653895.75	4184473.41	0.01314	(17021222)	653945.75
4184473.41	0.01008 (17021222)			
654095.75	4184473.41	0.00854	(17122703)	654145.75
4184473.41	0.00851 (17122703)			
654195.75	4184473.41	0.00846	(17122822)	654245.75
4184473.41	0.00829 (17021304)			
654295.75	4184473.41	0.00811	(17021304)	653745.75
4184523.41	0.00802 (17020906)			
653795.75	4184523.41	0.00847	(17121917)	653845.75
4184523.41	0.00964 (17121917)			
653895.75	4184523.41	0.01270	(17021222)	653945.75
4184523.41	0.00976 (17021222)			
654095.75	4184523.41	0.00823	(17011706)	654145.75
4184523.41	0.00817 (17122703)			

654195.75	4184523.41	0.00811	(17122822)	654245.75
4184523.41	0.00795 (17122822)			
654295.75	4184523.41	0.00784	(17021304)	653645.75
4184573.41	0.00731 (17021618)			
653695.75	4184573.41	0.00756	(17020906)	653745.75
4184573.41	0.00774 (17020906)			
653795.75	4184573.41	0.00820	(17121917)	653845.75
4184573.41	0.00941 (17121917)			
653895.75	4184573.41	0.01218	(17021222)	653945.75
4184573.41	0.00945 (17021222)			
654095.75	4184573.41	0.00795	(17120719)	654145.75
4184573.41	0.00785 (17122703)			
654195.75	4184573.41	0.00777	(17122822)	654245.75
4184573.41	0.00768 (17122822)			
654295.75	4184573.41	0.00756	(17021304)	653645.75
4184623.41	0.00705 (17021618)			
653695.75	4184623.41	0.00729	(17020906)	653745.75
4184623.41	0.00747 (17020906)			
653795.75	4184623.41	0.00791	(17121917)	653845.75
4184623.41	0.00916 (17121917)			
653895.75	4184623.41	0.01169	(17021222)	653945.75
4184623.41	0.00912 (17021222)			
654095.75	4184623.41	0.00771	(17120719)	654295.75
4184623.41	0.00728 (17021304)			
653645.75	4184673.41	0.00680	(17021618)	653695.75
4184673.41	0.00704 (17020906)			
653745.75	4184673.41	0.00722	(17020906)	653795.75
4184673.41	0.00767 (17121917)			
653845.75	4184673.41	0.00898	(17121917)	653895.75
4184673.41	0.01121 (17021222)			
653945.75	4184673.41	0.00879	(17021222)	653995.75
4184673.41	0.00803 (17021222)			
654045.75	4184673.41	0.00778	(17120719)	654095.75
4184673.41	0.00747 (17120719)			
653645.75	4184723.41	0.00661	(17021618)	653695.75
4184723.41	0.00684 (17020906)			
653745.75	4184723.41	0.00702	(17020906)	653795.75
4184723.41	0.00748 (17121917)			
653845.75	4184723.41	0.00877	(17121917)	653895.75
4184723.41	0.01064 (17021222)			
653945.75	4184723.41	0.00843	(17021222)	653995.75
4184723.41	0.00774 (17021222)			
654045.75	4184723.41	0.00750	(17120719)	654095.75
4184723.41	0.00723 (17120719)			
653745.75	4184773.41	0.00682	(17020906)	653795.75
4184773.41	0.00724 (17121917)			
653845.75	4184773.41	0.00848	(17121917)	653895.75
4184773.41	0.00977 (17010617)			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
653945.75	4184773.41	0.00805 (17021222)	653995.75
4184773.41	0.00747 (17021222)		
653745.75	4184823.41	0.00658 (17020906)	653795.75
4184823.41	0.00700 (17121917)		
653845.75	4184823.41	0.00811 (17121917)	653895.75
4184823.41	0.00873 (17020117)		
653945.75	4184823.41	0.00771 (17021222)	653995.75
4184823.41	0.00720 (17021222)		
653745.75	4184873.41	0.00635 (17020906)	653795.75
4184873.41	0.00676 (17121917)		
653845.75	4184873.41	0.00764 (17121917)	653895.75
4184873.41	0.00801 (17020117)		
653945.75	4184873.41	0.00737 (17021222)	653995.75
4184873.41	0.00695 (17021222)		
653745.75	4184923.41	0.00613 (17020906)	653795.75
4184923.41	0.00652 (17121917)		
653845.75	4184923.41	0.00719 (17121917)	653895.75
4184923.41	0.00748 (17020117)		
653945.75	4184923.41	0.00701 (17021222)	653995.75
4184923.41	0.00671 (17021222)		
653745.75	4184973.41	0.00591 (17020906)	653795.75
4184973.41	0.00628 (17121917)		
653845.75	4184973.41	0.00680 (17121917)	653895.75

4184973.41	0.00707	(17020117)			
653945.75	4184973.41	0.00668	(17021003)		653995.75
4184973.41	0.00647	(17021222)			
653745.75	4185023.41	0.00570	(17020906)		653795.75
4185023.41	0.00603	(17121917)			
653845.75	4185023.41	0.00650	(17020117)		653895.75
4185023.41	0.00673	(17020117)			
653945.75	4185023.41	0.00643	(17021003)		653995.75
4185023.41	0.00624	(17021222)			
653745.75	4185073.41	0.00549	(17020906)		653795.75
4185073.41	0.00579	(17121917)			
653845.75	4185073.41	0.00624	(17020117)		653895.75
4185073.41	0.00643	(17020117)			
653945.75	4185073.41	0.00619	(17020117)		653995.75
4185073.41	0.00602	(17021222)			
653745.75	4185123.41	0.00530	(17020906)		653795.75
4185123.41	0.00557	(17121917)			
653845.75	4185123.41	0.00600	(17020117)		653895.75
4185123.41	0.00617	(17020117)			
653945.75	4185123.41	0.00598	(17020117)		653995.75
4185123.41	0.00581	(17021222)			
653745.75	4185173.41	0.00515	(17020906)		653795.75
4185173.41	0.00540	(17121917)			
653845.75	4185173.41	0.00579	(17020117)		653895.75
4185173.41	0.00594	(17020117)			
653945.75	4185173.41	0.00578	(17020117)		653995.75
4185173.41	0.00560	(17021222)			

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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 *** 09:09:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M) Y-COORD (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)
653895.75 4180773.41	4180773.41 0.00553 (17122924)	0.00271 (17012824)	653945.75
653895.75 4180823.41	4180823.41 0.00585 (17122924)	0.00281 (17012824)	653945.75
653995.75 4180823.41	4180823.41 0.00248 (17011224)	0.00404 (17011224)	654045.75
654195.75 4180923.41	4180823.41 0.00163 (17081924)	0.00154 (17081924)	654245.75
654245.75 4181023.41	4180973.41 0.00397 (17011224)	0.00169 (17081924)	653995.75
653995.75 4181073.41	4181073.41 0.00397 (17011224)	0.00397 (17011224)	654045.75
653895.75 4181323.41	4181273.41 0.00262 (17011224)	0.00353 (17012824)	653495.75
653545.75 4181323.41	4181323.41 0.00168 (17012824)	0.00184 (17012824)	653895.75
653495.75 4181373.41	4181373.41 0.00366 (17012824)	0.00174 (17012824)	653545.75
653895.75 4181373.41	4181373.41 0.00193 (17012824)	0.00378 (17012824)	653995.75
653895.75 4181473.41	4181423.41 0.00398 (17011224)	0.00389 (17012824)	653795.75
653895.75 4181523.41	4181473.41 0.00282 (17012824)	0.00398 (17012824)	653895.75
654195.75 4181673.41	4181523.41 0.00412 (17012824)	0.00268 (17081924)	653995.75
653995.75 4181723.41	4181723.41 0.00429m (17111424)	0.00440m (17111424)	654145.75
654245.75 4181773.41	4181723.41 0.00327 (17081924)	0.00307m (17111424)	653995.75
653995.75 4181823.41	4181823.41 0.00453m (17111424)	0.00469m (17111424)	654045.75
653945.75 4182223.41	4182123.41 0.00398m (17111424)	0.00931 (17122924)	653895.75
654245.75 4182373.41	4182323.41 0.00737 (17012824)	0.00785m (17121624)	653145.75
653195.75 4182373.41	4182373.41 0.00385c (17121024)	0.00395c (17121024)	653245.75
653295.75 4182373.41	4182373.41 0.00392c (17121024)	0.00375c (17121024)	653345.75
653395.75 4182373.41	4182373.41 0.00401 (17122824)	0.00444 (17122824)	653445.75
653495.75 4182373.41	4182373.41 0.00487 (17122824)	0.00526 (17122824)	653545.75
4182373.41	0.00559 (17122824)		

653595.75	4182373.41	0.00585	(17122824)	653645.75
4182373.41	0.00591	(17051124)		
653695.75	4182373.41	0.00728	(17012824)	653745.75
4182373.41	0.00855	(17012824)		
653795.75	4182373.41	0.00934	(17012524)	653845.75
4182373.41	0.00886	(17012524)		
653895.75	4182373.41	0.00973m	(17111424)	654245.75
4182373.41	0.00889m	(17121624)		
653145.75	4182423.41	0.00407c	(17121024)	653195.75
4182423.41	0.00434c	(17121024)		
653245.75	4182423.41	0.00451c	(17121024)	653295.75
4182423.41	0.00453c	(17121024)		
653345.75	4182423.41	0.00435c	(17121024)	653395.75
4182423.41	0.00465	(17122824)		
653445.75	4182423.41	0.00527	(17122824)	653495.75
4182423.41	0.00582	(17122824)		
653545.75	4182423.41	0.00629	(17122824)	653595.75
4182423.41	0.00667	(17122824)		
653645.75	4182423.41	0.00684	(17122824)	653695.75
4182423.41	0.00791	(17012824)		
653745.75	4182423.41	0.00963	(17012824)	653795.75
4182423.41	0.01070	(17012524)		
653845.75	4182423.41	0.00986	(17012524)	653895.75
4182423.41	0.01123m	(17111424)		
654245.75	4182423.41	0.00954	(17010524)	653145.75
4182473.41	0.00414c	(17121024)		
653195.75	4182473.41	0.00456c	(17121024)	653245.75
4182473.41	0.00494c	(17121024)		
653295.75	4182473.41	0.00523c	(17121024)	653345.75
4182473.41	0.00532c	(17121024)		
653395.75	4182473.41	0.00513c	(17121024)	653445.75
4182473.41	0.00551	(17122824)		
653495.75	4182473.41	0.00632	(17122824)	653545.75
4182473.41	0.00705	(17122824)		
653595.75	4182473.41	0.00766	(17122824)	653645.75
4182473.41	0.00802	(17122824)		

▲ *** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
 *** AERMET - VERSION 18081 ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,

, L0011350 , L0011351 , L0011352 ,
 , L0011358 , L0011359 , . . . ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

Y-COORD (M)	X-COORD (M)	Y-COORD (M) CONC	CONC	(YYMMDDHH)	X-COORD (M)
4182473.41	653695.75	4182473.41	0.00858	(17012824)	653745.75
4182473.41	653795.75	4182473.41	0.01252	(17012524)	653895.75
4182473.41	654245.75	4182473.41	0.01141	(17010524)	653145.75
4182523.41	653195.75	4182523.41	0.00485	(17121224)	653245.75
4182523.41	653295.75	4182523.41	0.00568c	(17121024)	653345.75
4182523.41	653395.75	4182523.41	0.00634c	(17121024)	653445.75
4182523.41	653495.75	4182523.41	0.00665	(17122824)	653545.75
4182523.41	653595.75	4182523.41	0.00879	(17122824)	653645.75
4182523.41	653695.75	4182523.41	0.00992	(17051124)	653745.75
4182523.41	653795.75	4182523.41	0.01496	(17012524)	653895.75
4182523.41	653945.75	4182523.41	0.01699m	(17111424)	654245.75
4182523.41	653145.75	4182573.41	0.00544	(17121224)	653195.75
4182573.41	653245.75	4182573.41	0.00596	(17121224)	653295.75
4182573.41	653345.75	4182573.41	0.00657c	(17121024)	653395.75
4182573.41	653445.75	4182573.41	0.00773c	(17121024)	653495.75
4182573.41	653545.75	4182573.41	0.00833	(17122824)	653595.75
4182573.41	653645.75	4182573.41	0.01132	(17122824)	653695.75
4182573.41	653745.75	4182573.41	0.01469	(17012524)	653795.75

4182573.41	0.01837	(17012524)			
653895.75	4182573.41		0.02060m	(17111424)	653945.75
4182573.41	0.02011m	(17111424)			
653995.75	4182573.41		0.02136m	(17121624)	654045.75
4182573.41	0.02093m	(17121624)			
654095.75	4182573.41		0.01909	(17010524)	654145.75
4182573.41	0.01775	(17010524)			
654195.75	4182573.41		0.01557	(17010524)	654245.75
4182573.41	0.01317	(17010524)			
653145.75	4182623.41		0.00619	(17121224)	653195.75
4182623.41	0.00661	(17121224)			
653245.75	4182623.41		0.00704	(17121224)	653295.75
4182623.41	0.00750	(17121224)			
653345.75	4182623.41		0.00792	(17121224)	653395.75
4182623.41	0.00823	(17121224)			
653445.75	4182623.41		0.00880c	(17121024)	653495.75
4182623.41	0.00968c	(17121024)			
653545.75	4182623.41		0.00978c	(17121024)	653595.75
4182623.41	0.01081	(17122824)			
653645.75	4182623.41		0.01328	(17122824)	653695.75
4182623.41	0.01498	(17122824)			
653745.75	4182623.41		0.01714	(17012524)	653795.75
4182623.41	0.02332	(17012524)			
653895.75	4182623.41		0.02662m	(17111424)	653945.75
4182623.41	0.02865m	(17121624)			
653995.75	4182623.41		0.02896m	(17121624)	654045.75
4182623.41	0.02605	(17010524)			
654095.75	4182623.41		0.02306	(17010524)	654145.75
4182623.41	0.01906	(17010524)			
654195.75	4182623.41		0.01525	(17010524)	654245.75
4182623.41	0.01364	(17022824)			
653145.75	4182673.41		0.00688	(17121224)	653195.75
4182673.41	0.00747	(17121224)			
653245.75	4182673.41		0.00813	(17121224)	653295.75
4182673.41	0.00886	(17121224)			
653345.75	4182673.41		0.00966	(17121224)	653395.75
4182673.41	0.01048	(17121224)			
653445.75	4182673.41		0.01121	(17121224)	653495.75
4182673.41	0.01174	(17020124)			
653545.75	4182673.41		0.01236c	(17121024)	653595.75
4182673.41	0.01295c	(17121024)			
653645.75	4182673.41		0.01472	(17122824)	653695.75
4182673.41	0.01875	(17122824)			
653745.75	4182673.41		0.02336	(17051124)	653795.75
4182673.41	0.03092	(17012524)			

▲ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
 Manteca\Maverik Manteca_operations\Mave *** 03/04/22

*** AERMET - VERSION 18081 *** ***

*** 09:09:29

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 , L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 , L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 , L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		
653895.75	4182673.41	0.03840m	(17121624)	653945.75
4182673.41	0.04387m	(17121624)		
653995.75	4182673.41	0.03802	(17010524)	654045.75
4182673.41	0.03088	(17010524)		
654095.75	4182673.41	0.02334	(17010524)	654145.75
4182673.41	0.01967	(17022824)		
654195.75	4182673.41	0.01691	(17022824)	654245.75
4182673.41	0.01449	(17022824)		
653145.75	4182723.41	0.00740	(17121224)	653195.75
4182723.41	0.00814	(17121224)		
653245.75	4182723.41	0.00900	(17121224)	653295.75
4182723.41	0.01005	(17121224)		
653345.75	4182723.41	0.01126	(17121224)	653395.75
4182723.41	0.01265	(17121224)		
653445.75	4182723.41	0.01416	(17121224)	653495.75
4182723.41	0.01575	(17121224)		
653545.75	4182723.41	0.01707	(17121224)	653595.75
4182723.41	0.01873	(17020124)		
653645.75	4182723.41	0.01848	(17020124)	653695.75
4182723.41	0.02248	(17080124)		
653745.75	4182723.41	0.03474	(17051124)	653795.75
4182723.41	0.04832	(17081924)		
653945.75	4182723.41	0.06160	(17010524)	653995.75
4182723.41	0.04216	(17010524)		
654045.75	4182723.41	0.03186	(17022824)	654095.75
4182723.41	0.02569	(17022824)		

654145.75	4182723.41	0.02081	(17022824)	654195.75
4182723.41	0.01702 (17022824)			
654245.75	4182723.41	0.01410	(17022824)	653145.75
4182773.41	0.00754 (17121224)			
653195.75	4182773.41	0.00837	(17121224)	653245.75
4182773.41	0.00939 (17121224)			
653295.75	4182773.41	0.01065	(17121224)	653345.75
4182773.41	0.01215 (17121224)			
653395.75	4182773.41	0.01400	(17121224)	653445.75
4182773.41	0.01624 (17121224)			
653495.75	4182773.41	0.01900	(17121224)	653545.75
4182773.41	0.02230 (17121224)			
653595.75	4182773.41	0.02592	(17121224)	653645.75
4182773.41	0.03072 (17020124)			
653695.75	4182773.41	0.03515	(17020124)	653745.75
4182773.41	0.05126 (17080124)			
654095.75	4182773.41	0.02450	(17022824)	654145.75
4182773.41	0.01899 (17022824)			
654195.75	4182773.41	0.01520	(17111824)	654245.75
4182773.41	0.01305 (17111824)			
653145.75	4182823.41	0.00839	(17011624)	653195.75
4182823.41	0.00934 (17011624)			
653245.75	4182823.41	0.01051	(17011624)	653295.75
4182823.41	0.01194 (17011624)			
653345.75	4182823.41	0.01372	(17011624)	653395.75
4182823.41	0.01598 (17011624)			
653445.75	4182823.41	0.01894	(17011624)	653495.75
4182823.41	0.02295 (17011624)			
653545.75	4182823.41	0.02856	(17011624)	653595.75
4182823.41	0.03640 (17011624)			
653645.75	4182823.41	0.04806	(17011624)	653695.75
4182823.41	0.06546 (17011624)			
654145.75	4182823.41	0.01861	(17021224)	654195.75
4182823.41	0.01567 (17021224)			
654245.75	4182823.41	0.01343	(17021224)	652795.75
4182873.41	0.00507 (17011624)			
652845.75	4182873.41	0.00544	(17011624)	652895.75
4182873.41	0.00585 (17011624)			
652945.75	4182873.41	0.00632	(17011624)	652995.75
4182873.41	0.00685 (17011624)			
653045.75	4182873.41	0.00747	(17011624)	653095.75
4182873.41	0.00820 (17011624)			
653145.75	4182873.41	0.00906	(17011624)	653195.75
4182873.41	0.01009 (17011624)			
653245.75	4182873.41	0.01135	(17011624)	653295.75
4182873.41	0.01290 (17011624)			
653345.75	4182873.41	0.01484	(17011624)	653395.75
4182873.41	0.01732 (17011624)			
653445.75	4182873.41	0.02070	(17011524)	653495.75
4182873.41	0.02569 (17011524)			

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        653545.75   4182873.41       0.03292 (17011524)           653595.75
4182873.41       0.04433 (17011524)
        653645.75   4182873.41       0.06687 (17011524)           654195.75
4182873.41       0.01578 (17021224)
^ *** AERMOD - VERSION 21112 ***   *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***   03/04/22
*** AERMET - VERSION 18081 ***   ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
                               INCLUDING SOURCE(S):   L0011332   , L0011333
, L0011334   , L0011335   , L0011336   ,
              L0011337   , L0011338   , L0011339   , L0011340   , L0011341
, L0011342   , L0011343   , L0011344   ,
              L0011345   , L0011346   , L0011347   , L0011348   , L0011349
, L0011350   , L0011351   , L0011352   ,
              L0011353   , L0011354   , L0011355   , L0011356   , L0011357
, L0011358   , L0011359   , . . .   ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
654245.75	4182873.41	0.01359 (17021224)	654295.75
4182873.41	0.01187 (17021224)		
654645.75	4182873.41	0.00590 (17021224)	654695.75
4182873.41	0.00546 (17021224)		
654745.75	4182873.41	0.00508 (17021224)	654795.75
4182873.41	0.00475 (17021224)		
654845.75	4182873.41	0.00445 (17021224)	654895.75
4182873.41	0.00419 (17021224)		
654945.75	4182873.41	0.00395 (17021224)	654995.75
4182873.41	0.00375 (17021224)		
652795.75	4182923.41	0.00510 (17011624)	652845.75
4182923.41	0.00544 (17011624)		
652895.75	4182923.41	0.00584 (17011624)	652945.75
4182923.41	0.00626 (17011624)		
652995.75	4182923.41	0.00680 (17011524)	653045.75
4182923.41	0.00746 (17011524)		
653095.75	4182923.41	0.00824 (17011524)	653145.75

4182923.41	0.00916	(17011524)			
653195.75	4182923.41	0.01025	(17011524)		653245.75
4182923.41	0.01158	(17011524)			
653295.75	4182923.41	0.01321	(17011524)		653345.75
4182923.41	0.01525	(17011524)			
653395.75	4182923.41	0.01783	(17011524)		653445.75
4182923.41	0.02118	(17011524)			
653495.75	4182923.41	0.02566	(17011524)		653545.75
4182923.41	0.03202	(17011524)			
653595.75	4182923.41	0.04376	(17011424)		654245.75
4182923.41	0.01157	(17021224)			
654295.75	4182923.41	0.01042	(17021224)		654345.75
4182923.41	0.00944	(17021224)			
654395.75	4182923.41	0.00859	(17021224)		654445.75
4182923.41	0.00785	(17021224)			
654495.75	4182923.41	0.00721	(17021224)		654545.75
4182923.41	0.00665	(17021224)			
654595.75	4182923.41	0.00616	(17021224)		654645.75
4182923.41	0.00572	(17021224)			
654695.75	4182923.41	0.00533	(17021224)		654745.75
4182923.41	0.00499	(17021224)			
654795.75	4182923.41	0.00468	(17021224)		654845.75
4182923.41	0.00441	(17021224)			
654895.75	4182923.41	0.00416	(17021224)		654945.75
4182923.41	0.00395	(17021224)			
654995.75	4182923.41	0.00375	(17021224)		655045.75
4182923.41	0.00358	(17021224)			
655095.75	4182923.41	0.00342	(17021224)		652795.75
4182973.41	0.00512	(17011524)			
652845.75	4182973.41	0.00550	(17011524)		652895.75
4182973.41	0.00593	(17011524)			
652945.75	4182973.41	0.00641	(17011524)		652995.75
4182973.41	0.00696	(17011524)			
653045.75	4182973.41	0.00759	(17011524)		653095.75
4182973.41	0.00831	(17011524)			
653145.75	4182973.41	0.00913	(17011524)		653195.75
4182973.41	0.01011	(17011524)			
653245.75	4182973.41	0.01125	(17011524)		653295.75
4182973.41	0.01261	(17011524)			
653345.75	4182973.41	0.01424	(17011524)		653395.75
4182973.41	0.01622	(17011524)			
653445.75	4182973.41	0.01868	(17011524)		653495.75
4182973.41	0.02300	(17011424)			
653545.75	4182973.41	0.03269	(17011424)		654295.75
4182973.41	0.00818	(17111824)			
654345.75	4182973.41	0.00757	(17021224)		654395.75
4182973.41	0.00713	(17021224)			
654445.75	4182973.41	0.00671	(17021224)		654495.75
4182973.41	0.00631	(17021224)			
654545.75	4182973.41	0.00593	(17021224)		654595.75

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4182973.41      0.00559 (17021224)
      654645.75  4182973.41      0.00527 (17021224)      654695.75
4182973.41      0.00497 (17021224)
      654745.75  4182973.41      0.00471 (17021224)      654795.75
4182973.41      0.00446 (17021224)
      654845.75  4182973.41      0.00424 (17021224)      654895.75
4182973.41      0.00403 (17021224)
      654945.75  4182973.41      0.00385 (17021224)      654995.75
4182973.41      0.00368 (17021224)
      655045.75  4182973.41      0.00353 (17021224)      655095.75
4182973.41      0.00339 (17021224)
      652795.75  4183023.41      0.00517 (17011524)      652845.75
4183023.41      0.00554 (17011524)

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^ *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave ***      03/04/22
*** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
      INCLUDING SOURCE(S):      L0011332      , L0011333
, L0011334      , L0011335      , L0011336      ,
      L0011337      , L0011338      , L0011339      , L0011340      , L0011341
, L0011342      , L0011343      , L0011344      ,
      L0011345      , L0011346      , L0011347      , L0011348      , L0011349
, L0011350      , L0011351      , L0011352      ,
      L0011353      , L0011354      , L0011355      , L0011356      , L0011357
, L0011358      , L0011359      , . . .      ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
652895.75	4183023.41	0.00594 (17011524)	652945.75
4183023.41	0.00636 (17011524)		
652995.75	4183023.41	0.00684 (17011524)	653045.75
4183023.41	0.00737 (17011524)		
653095.75	4183023.41	0.00795 (17011524)	653145.75
4183023.41	0.00861 (17011524)		
653195.75	4183023.41	0.00937 (17011524)	653245.75
4183023.41	0.01022 (17011524)		

653295.75	4183023.41	0.01120	(17011524)	653345.75
4183023.41	0.01258b (17120824)			
653395.75	4183023.41	0.01529b	(17120824)	653445.75
4183023.41	0.01857b (17120824)			
653495.75	4183023.41	0.02363	(17011424)	654295.75
4183023.41	0.00796 (17122324)			
654345.75	4183023.41	0.00716	(17122324)	654395.75
4183023.41	0.00651 (17122324)			
654445.75	4183023.41	0.00597	(17122324)	654495.75
4183023.41	0.00550 (17122324)			
654545.75	4183023.41	0.00510	(17122324)	654595.75
4183023.41	0.00483 (17021224)			
654645.75	4183023.41	0.00465	(17021224)	654695.75
4183023.41	0.00447 (17021224)			
654745.75	4183023.41	0.00430	(17021224)	654795.75
4183023.41	0.00414 (17021224)			
654845.75	4183023.41	0.00399	(17021224)	654895.75
4183023.41	0.00384 (17021224)			
654945.75	4183023.41	0.00371	(17021224)	654995.75
4183023.41	0.00358 (17021224)			
655045.75	4183023.41	0.00346	(17021224)	652795.75
4183073.41	0.00522 (17011524)			
652845.75	4183073.41	0.00554	(17011524)	652895.75
4183073.41	0.00588 (17011524)			
652945.75	4183073.41	0.00624	(17011524)	652995.75
4183073.41	0.00663 (17011524)			
653045.75	4183073.41	0.00704	(17011524)	653095.75
4183073.41	0.00748 (17011524)			
654345.75	4183073.41	0.00721	(17122324)	654395.75
4183073.41	0.00670 (17122324)			
654445.75	4183073.41	0.00624	(17122324)	654495.75
4183073.41	0.00582 (17122324)			
654545.75	4183073.41	0.00546	(17122324)	654595.75
4183073.41	0.00514 (17122324)			
654645.75	4183073.41	0.00487	(17122324)	654695.75
4183073.41	0.00463 (17122324)			
654745.75	4183073.41	0.00441	(17122324)	654795.75
4183073.41	0.00422 (17122324)			
654845.75	4183073.41	0.00404	(17122324)	654895.75
4183073.41	0.00388 (17122324)			
654945.75	4183073.41	0.00374	(17122324)	654995.75
4183073.41	0.00361 (17122324)			
655045.75	4183073.41	0.00349	(17122324)	653595.75
4183123.41	0.02051 (17012124)			
654895.75	4183123.41	0.00457	(17122324)	654945.75
4183123.41	0.00442 (17122324)			
654445.75	4183273.41	0.00968m	(17120224)	654495.75
4183273.41	0.00954m (17120224)			
654545.75	4183273.41	0.00943m	(17120224)	654595.75
4183273.41	0.00931m (17120224)			

654645.75	4183273.41	0.00927m (17120224)	654695.75
4183273.41	0.00931m (17120224)		
654745.75	4183273.41	0.00937m (17120224)	654795.75
4183273.41	0.00944m (17120224)		
654845.75	4183273.41	0.00953m (17120224)	654895.75
4183273.41	0.00964m (17120224)		
654945.75	4183273.41	0.00975m (17120224)	654345.75
4183323.41	0.00641m (17120224)		
654395.75	4183323.41	0.00641m (17120224)	654445.75
4183323.41	0.00636m (17120224)		
654495.75	4183323.41	0.00627m (17120224)	654545.75
4183323.41	0.00617m (17120224)		
654595.75	4183323.41	0.00608m (17120224)	654645.75
4183323.41	0.00601m (17120224)		
654695.75	4183323.41	0.00595m (17120224)	654745.75
4183323.41	0.00590m (17120224)		
654795.75	4183323.41	0.00585m (17120224)	654845.75
4183323.41	0.00582m (17120224)		
654895.75	4183323.41	0.00579m (17120224)	654945.75
4183323.41	0.00575m (17120224)		
654995.75	4183323.41	0.00572m (17120224)	655045.75
4183323.41	0.00567m (17120224)		

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC	(YYMMDDHH)		

655095.75	4183323.41	0.00564m (17120224)	655145.75
4183323.41	0.00562m (17120224)		
655195.75	4183323.41	0.00562m (17120224)	655245.75
4183323.41	0.00562m (17120224)		
654295.75	4183373.41	0.00515 (17010124)	654345.75
4183373.41	0.00509m (17120224)		
654395.75	4183373.41	0.00507m (17120224)	654795.75
4183373.41	0.00455m (17120224)		
654845.75	4183373.41	0.00450m (17120224)	654895.75
4183373.41	0.00445m (17120224)		
654945.75	4183373.41	0.00439m (17120224)	654995.75
4183373.41	0.00434m (17120224)		
655045.75	4183373.41	0.00430m (17120224)	655095.75
4183373.41	0.00425m (17120224)		
655145.75	4183373.41	0.00421m (17120224)	655195.75
4183373.41	0.00418m (17120224)		
655245.75	4183373.41	0.00415m (17120224)	655295.75
4183373.41	0.00412m (17120224)		
655345.75	4183373.41	0.00410m (17120224)	654295.75
4183423.41	0.00472 (17010124)		
654395.75	4183423.41	0.00429m (17120224)	654445.75
4183423.41	0.00425m (17120224)		
654495.75	4183423.41	0.00420m (17120224)	654545.75
4183423.41	0.00414m (17120224)		
654595.75	4183423.41	0.00408m (17120224)	654645.75
4183423.41	0.00401m (17120224)		
654695.75	4183423.41	0.00395m (17120224)	654745.75
4183423.41	0.00389m (17120224)		
654795.75	4183423.41	0.00383m (17120224)	654895.75
4183423.41	0.00372m (17120224)		
654945.75	4183423.41	0.00367m (17120224)	654995.75
4183423.41	0.00362m (17120224)		
655045.75	4183423.41	0.00358m (17120224)	655095.75
4183423.41	0.00354m (17120224)		
655145.75	4183423.41	0.00350m (17120224)	655195.75
4183423.41	0.00346m (17120224)		
655245.75	4183423.41	0.00342m (17120224)	655295.75
4183423.41	0.00339m (17120224)		
655345.75	4183423.41	0.00335m (17120224)	655395.75
4183423.41	0.00332m (17120224)		
655445.75	4183423.41	0.00329m (17120224)	655545.75
4183423.41	0.00322m (17120224)		
655595.75	4183423.41	0.00318m (17120224)	654295.75
4183473.41	0.00434 (17010124)		
654345.75	4183473.41	0.00412 (17010124)	654395.75
4183473.41	0.00392 (17010124)		
654445.75	4183473.41	0.00372m (17120224)	654495.75
4183473.41	0.00368m (17120224)		
654545.75	4183473.41	0.00364m (17120224)	654595.75

4183473.41	0.00358m (17120224)		
654645.75	4183473.41	0.00352m (17120224)	654695.75
4183473.41	0.00347m (17120224)		
654745.75	4183473.41	0.00341m (17120224)	654795.75
4183473.41	0.00336m (17120224)		
654845.75	4183473.41	0.00330m (17120224)	654895.75
4183473.41	0.00326m (17120224)		
654945.75	4183473.41	0.00321m (17120224)	655345.75
4183473.41	0.00290m (17120224)		
655395.75	4183473.41	0.00286m (17120224)	655445.75
4183473.41	0.00283m (17120224)		
655495.75	4183473.41	0.00279m (17120224)	655545.75
4183473.41	0.00274m (17120224)		
655595.75	4183473.41	0.00269m (17120224)	655645.75
4183473.41	0.00262m (17120224)		
655695.75	4183473.41	0.00254m (17120224)	655745.75
4183473.41	0.00244m (17120224)		
654195.75	4183523.41	0.00436 (17010124)	654245.75
4183523.41	0.00418 (17010124)		
654295.75	4183523.41	0.00400 (17010124)	654345.75
4183523.41	0.00383 (17010124)		
654395.75	4183523.41	0.00366 (17010124)	654445.75
4183523.41	0.00349 (17010124)		
654495.75	4183523.41	0.00331 (17010124)	654545.75
4183523.41	0.00325m (17120224)		
654595.75	4183523.41	0.00321m (17120224)	654645.75
4183523.41	0.00316m (17120224)		
654695.75	4183523.41	0.00311m (17120224)	654745.75
4183523.41	0.00305m (17120224)		
654795.75	4183523.41	0.00300m (17120224)	654845.75
4183523.41	0.00295m (17120224)		

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22
 *** AERMET - VERSION 18081 *** ***
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

		** CONC OF PM ₁₀ IN MICROGRAMS/M**3	
**			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)
654895.75	4183523.41	0.00291m	(17120224)
4183523.41	0.00287m	(17120224)	654945.75
655295.75	4183523.41	0.00262m	(17120224)
4183523.41	0.00258m	(17120224)	655345.75
655395.75	4183523.41	0.00255m	(17120224)
4183523.41	0.00251m	(17120224)	655445.75
655495.75	4183523.41	0.00246m	(17120224)
4183523.41	0.00241m	(17120224)	655545.75
655595.75	4183523.41	0.00234m	(17120224)
4183523.41	0.00227m	(17120224)	655645.75
655695.75	4183523.41	0.00217m	(17120224)
4183523.41	0.00205m	(17120224)	655745.75
654145.75	4183573.41	0.00414	(17010124)
4183573.41	0.00399	(17010124)	654195.75
654245.75	4183573.41	0.00384	(17010124)
4183573.41	0.00369	(17010124)	654295.75
654345.75	4183573.41	0.00354	(17010124)
4183573.41	0.00341	(17010124)	654395.75
654445.75	4183573.41	0.00327	(17010124)
4183573.41	0.00313	(17010124)	654495.75
654545.75	4183573.41	0.00298	(17010124)
4183573.41	0.00291m	(17120224)	654595.75
654645.75	4183573.41	0.00287m	(17120224)
4183573.41	0.00283m	(17120224)	654695.75
654745.75	4183573.41	0.00278m	(17120224)
4183573.41	0.00273m	(17120224)	654795.75
654845.75	4183573.41	0.00268m	(17120224)
4183573.41	0.00264m	(17120224)	654895.75
654945.75	4183573.41	0.00260m	(17120224)
4183573.41	0.00238m	(17120224)	655295.75
655345.75	4183573.41	0.00234m	(17120224)
4183573.41	0.00230m	(17120224)	655395.75
655445.75	4183573.41	0.00226m	(17120224)
4183573.41	0.00221m	(17120224)	655495.75
655545.75	4183573.41	0.00215m	(17120224)
4183573.41	0.00208m	(17120224)	655595.75
655645.75	4183573.41	0.00199m	(17120224)
4183573.41	0.00189m	(17120224)	655695.75
655745.75	4183573.41	0.00178m	(17120224)
4183623.41	0.00267b	(17120824)	652295.75

652345.75	4183623.41	0.00273b	(17120824)	654145.75
4183623.41	0.00378	(17010124)		
654195.75	4183623.41	0.00365	(17010124)	654245.75
4183623.41	0.00353	(17010124)		
654295.75	4183623.41	0.00340	(17010124)	654345.75
4183623.41	0.00329	(17010124)		
654195.75	4183673.41	0.00336	(17010124)	654245.75
4183673.41	0.00326	(17010124)		
654295.75	4183673.41	0.00316	(17010124)	654345.75
4183673.41	0.00307	(17010124)		
653845.75	4183723.41	0.00446m	(17120224)	654245.75
4183723.41	0.00302	(17010124)		
654295.75	4183723.41	0.00294	(17010124)	654345.75
4183723.41	0.00286	(17010124)		
653845.75	4183773.41	0.00425m	(17120224)	654045.75
4183773.41	0.00352m	(17120224)		
654095.75	4183773.41	0.00330m	(17120224)	654145.75
4183773.41	0.00308m	(17120224)		
654195.75	4183773.41	0.00289	(17010124)	654245.75
4183773.41	0.00282	(17010124)		
654295.75	4183773.41	0.00274	(17010124)	654345.75
4183773.41	0.00268	(17010124)		
653845.75	4183823.41	0.00407m	(17120224)	654045.75
4183823.41	0.00332m	(17120224)		
654095.75	4183823.41	0.00313m	(17120224)	654145.75
4183823.41	0.00294m	(17120224)		
654195.75	4183823.41	0.00273m	(17120224)	654245.75
4183823.41	0.00263	(17010124)		
654295.75	4183823.41	0.00257	(17010124)	654345.75
4183823.41	0.00251	(17010124)		
653945.75	4183873.41	0.00382m	(17120224)	653995.75
4183873.41	0.00335m	(17120224)		
654045.75	4183873.41	0.00314m	(17120224)	654095.75
4183873.41	0.00297m	(17120224)		
654145.75	4183873.41	0.00280m	(17120224)	654195.75
4183873.41	0.00262m	(17120224)		
654245.75	4183873.41	0.00247	(17010124)	654295.75
4183873.41	0.00241	(17010124)		
654345.75	4183873.41	0.00235	(17010124)	653845.75
4183923.41	0.00379m	(17120224)		

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 Manteca\Maverik Manteca_operations\Mave *** 03/04/22

*** AERMET - VERSION 18081 ***

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
Y-COORD (M)	CONC (YYMMDDHH)		
653945.75	4183923.41	0.00362m (17120224)	653995.75
4183923.41	0.00318m (17120224)		
654045.75	4183923.41	0.00297m (17120224)	654095.75
4183923.41	0.00282m (17120224)		
654145.75	4183923.41	0.00267m (17120224)	654195.75
4183923.41	0.00251m (17120224)		
654245.75	4183923.41	0.00235m (17120224)	654295.75
4183923.41	0.00227 (17010124)		
654345.75	4183923.41	0.00222 (17010124)	653745.75
4183973.41	0.00273m (17120224)		
653745.75	4184023.41	0.00261m (17120224)	653795.75
4184023.41	0.00290m (17120224)		
653845.75	4184023.41	0.00354m (17120224)	653945.75
4184023.41	0.00330m (17120224)		
653995.75	4184023.41	0.00287m (17120224)	654045.75
4184023.41	0.00268m (17120224)		
654095.75	4184023.41	0.00256m (17120224)	654145.75
4184023.41	0.00244m (17120224)		
654195.75	4184023.41	0.00232m (17120224)	654245.75
4184023.41	0.00219m (17120224)		
654295.75	4184023.41	0.00205m (17120224)	653745.75
4184073.41	0.00249m (17120224)		
653795.75	4184073.41	0.00278m (17120224)	653845.75
4184073.41	0.00344m (17120224)		
653945.75	4184073.41	0.00316m (17120224)	654095.75
4184073.41	0.00244m (17120224)		
654145.75	4184073.41	0.00234m (17120224)	654195.75
4184073.41	0.00223m (17120224)		
654245.75	4184073.41	0.00212m (17120224)	654295.75
4184073.41	0.00199m (17120224)		
653745.75	4184123.41	0.00238m (17120224)	653795.75

4184123.41	0.00267m (17120224)		
653845.75	4184123.41	0.00334m (17120224)	653945.75
4184123.41	0.00303m (17120224)		
654095.75	4184123.41	0.00232m (17120224)	654145.75
4184123.41	0.00223m (17120224)		
654195.75	4184123.41	0.00214m (17120224)	654245.75
4184123.41	0.00204m (17120224)		
654295.75	4184123.41	0.00193m (17120224)	654345.75
4184123.41	0.00181m (17120224)		
653745.75	4184173.41	0.00229m (17120224)	653795.75
4184173.41	0.00257m (17120224)		
653845.75	4184173.41	0.00325m (17120224)	653945.75
4184173.41	0.00291m (17120224)		
654095.75	4184173.41	0.00222m (17120224)	654145.75
4184173.41	0.00214m (17120224)		
654195.75	4184173.41	0.00206m (17120224)	654245.75
4184173.41	0.00197m (17120224)		
654295.75	4184173.41	0.00187m (17120224)	653745.75
4184223.41	0.00221m (17120224)		
653795.75	4184223.41	0.00249m (17120224)	653845.75
4184223.41	0.00318m (17120224)		
653945.75	4184223.41	0.00280m (17120224)	654095.75
4184223.41	0.00212m (17120224)		
654145.75	4184223.41	0.00204m (17120224)	654195.75
4184223.41	0.00197m (17120224)		
654245.75	4184223.41	0.00189m (17120224)	653745.75
4184273.41	0.00213m (17120224)		
653795.75	4184273.41	0.00242m (17120224)	653845.75
4184273.41	0.00311m (17120224)		
653895.75	4184273.41	0.00374m (17120224)	653945.75
4184273.41	0.00269m (17120224)		
653995.75	4184273.41	0.00230m (17120224)	654095.75
4184273.41	0.00203m (17120224)		
654145.75	4184273.41	0.00195m (17120224)	654195.75
4184273.41	0.00189m (17120224)		
654245.75	4184273.41	0.00182m (17120224)	653745.75
4184323.41	0.00206m (17120224)		
653795.75	4184323.41	0.00234m (17120224)	653845.75
4184323.41	0.00304m (17120224)		
653895.75	4184323.41	0.00405m (17120224)	653945.75
4184323.41	0.00260m (17120224)		
654095.75	4184323.41	0.00194m (17120224)	654145.75
4184323.41	0.00187m (17120224)		
654195.75	4184323.41	0.00181m (17120224)	654245.75
4184323.41	0.00175m (17120224)		
653745.75	4184373.41	0.00199m (17120224)	653795.75
4184373.41	0.00227m (17120224)		
653845.75	4184373.41	0.00299m (17120224)	653895.75
4184373.41	0.00441m (17120224)		

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
 VALUES FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0011332 , L0011333
 , L0011334 , L0011335 , L0011336 ,
 L0011337 , L0011338 , L0011339 , L0011340 , L0011341
 , L0011342 , L0011343 , L0011344 ,
 L0011345 , L0011346 , L0011347 , L0011348 , L0011349
 , L0011350 , L0011351 , L0011352 ,
 L0011353 , L0011354 , L0011355 , L0011356 , L0011357
 , L0011358 , L0011359 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM_10 IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
653945.75	4184373.41	0.00250m (17120224)	654095.75
4184373.41	0.00186m (17120224)		
654145.75	4184373.41	0.00179m (17120224)	654195.75
4184373.41	0.00173m (17120224)		
654245.75	4184373.41	0.00168m (17120224)	653745.75
4184423.41	0.00192m (17120224)		
653795.75	4184423.41	0.00221m (17120224)	653845.75
4184423.41	0.00294m (17120224)		
653895.75	4184423.41	0.00424m (17120224)	653945.75
4184423.41	0.00241m (17120224)		
654095.75	4184423.41	0.00178m (17120224)	654145.75
4184423.41	0.00171m (17120224)		
654195.75	4184423.41	0.00166m (17120224)	654245.75
4184423.41	0.00161m (17120224)		
654295.75	4184423.41	0.00155m (17120224)	653745.75
4184473.41	0.00186m (17120224)		
653795.75	4184473.41	0.00215m (17120224)	653845.75
4184473.41	0.00290m (17120224)		
653895.75	4184473.41	0.00407m (17120224)	653945.75
4184473.41	0.00233m (17120224)		
654095.75	4184473.41	0.00170m (17120224)	654145.75
4184473.41	0.00164m (17120224)		

654195.75	4184473.41	0.00159m (17120224)	654245.75
4184473.41	0.00154m (17120224)		
654295.75	4184473.41	0.00149m (17120224)	653745.75
4184523.41	0.00180m (17120224)		
653795.75	4184523.41	0.00209m (17120224)	653845.75
4184523.41	0.00286m (17120224)		
653895.75	4184523.41	0.00390m (17120224)	653945.75
4184523.41	0.00224m (17120224)		
654095.75	4184523.41	0.00162m (17120224)	654145.75
4184523.41	0.00156m (17120224)		
654195.75	4184523.41	0.00152m (17120224)	654245.75
4184523.41	0.00148m (17120224)		
654295.75	4184523.41	0.00143m (17120224)	653645.75
4184573.41	0.00149 (17020924)		
653695.75	4184573.41	0.00158m (17120224)	653745.75
4184573.41	0.00173m (17120224)		
653795.75	4184573.41	0.00202m (17120224)	653845.75
4184573.41	0.00281m (17120224)		
653895.75	4184573.41	0.00371m (17120224)	653945.75
4184573.41	0.00215m (17120224)		
654095.75	4184573.41	0.00155m (17120224)	654145.75
4184573.41	0.00149m (17120224)		
654195.75	4184573.41	0.00145m (17120224)	654245.75
4184573.41	0.00141m (17120224)		
654295.75	4184573.41	0.00137m (17120224)	653645.75
4184623.41	0.00143 (17020924)		
653695.75	4184623.41	0.00151m (17120224)	653745.75
4184623.41	0.00166m (17120224)		
653795.75	4184623.41	0.00195m (17120224)	653845.75
4184623.41	0.00275m (17120224)		
653895.75	4184623.41	0.00352m (17120224)	653945.75
4184623.41	0.00204m (17120224)		
654095.75	4184623.41	0.00148m (17120224)	654295.75
4184623.41	0.00131m (17120224)		
653645.75	4184673.41	0.00139 (17020924)	653695.75
4184673.41	0.00145 (17020924)		
653745.75	4184673.41	0.00158m (17120224)	653795.75
4184673.41	0.00186m (17120224)		
653845.75	4184673.41	0.00267m (17120224)	653895.75
4184673.41	0.00331m (17120224)		
653945.75	4184673.41	0.00192m (17120224)	653995.75
4184673.41	0.00161m (17120224)		
654045.75	4184673.41	0.00148m (17120224)	654095.75
4184673.41	0.00140m (17120224)		
653645.75	4184723.41	0.00135 (17020924)	653695.75
4184723.41	0.00141 (17020924)		
653745.75	4184723.41	0.00149m (17120224)	653795.75
4184723.41	0.00172m (17120224)		
653845.75	4184723.41	0.00245m (17120224)	653895.75
4184723.41	0.00293m (17120224)		

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        653945.75   4184723.41   0.00175m (17120224)   653995.75
4184723.41   0.00150m (17120224)
        654045.75   4184723.41   0.00139m (17120224)   654095.75
4184723.41   0.00133m (17120224)
        653745.75   4184773.41   0.00144 (17020924)   653795.75
4184773.41   0.00157 (17020924)
        653845.75   4184773.41   0.00191 (17020924)   653895.75
4184773.41   0.00179m (17120224)

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL ***
                        INCLUDING SOURCE(S):  L0011332   , L0011333
, L0011334   , L0011335   , L0011336   ,
              L0011337   , L0011338   , L0011339   , L0011340   , L0011341
, L0011342   , L0011343   , L0011344   ,
              L0011345   , L0011346   , L0011347   , L0011348   , L0011349
, L0011350   , L0011351   , L0011352   ,
              L0011353   , L0011354   , L0011355   , L0011356   , L0011357
, L0011358   , L0011359   , . . .   ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS

** CONC OF PM₁₀ IN MICROGRAMS/M**3

**

X-COORD (M)	Y-COORD (M)	CONC (YYMMDDHH)	X-COORD (M)
653945.75	4184773.41	0.00152m (17120224)	653995.75
4184773.41	0.00138m (17120224)		
653745.75	4184823.41	0.00138 (17020924)	653795.75
4184823.41	0.00144 (17020924)		
653845.75	4184823.41	0.00147 (17020924)	653895.75
4184823.41	0.00131m (17120224)		
653945.75	4184823.41	0.00130m (17120224)	653995.75
4184823.41	0.00125m (17120224)		
653745.75	4184873.41	0.00129 (17020924)	653795.75
4184873.41	0.00130 (17020924)		
653845.75	4184873.41	0.00126 (17020924)	653895.75
4184873.41	0.00114m (17120224)		
653945.75	4184873.41	0.00116m (17120224)	653995.75

4184873.41	0.00114m (17120224)			
653745.75	4184923.41	0.00121	(17020924)	653795.75
4184923.41	0.00119 (17020924)			
653845.75	4184923.41	0.00114	(17020924)	653895.75
4184923.41	0.00104m (17120224)			
653945.75	4184923.41	0.00106m	(17120224)	653995.75
4184923.41	0.00106m (17120224)			
653745.75	4184973.41	0.00113	(17020924)	653795.75
4184973.41	0.00111 (17020924)			
653845.75	4184973.41	0.00106	(17020924)	653895.75
4184973.41	0.00096m (17120224)			
653945.75	4184973.41	0.00098m	(17120224)	653995.75
4184973.41	0.00099m (17120224)			
653745.75	4185023.41	0.00107	(17020924)	653795.75
4185023.41	0.00104 (17020924)			
653845.75	4185023.41	0.00099	(17020924)	653895.75
4185023.41	0.00091 (17020924)			
653945.75	4185023.41	0.00092m	(17120224)	653995.75
4185023.41	0.00093m (17120224)			
653745.75	4185073.41	0.00102	(17020924)	653795.75
4185073.41	0.00099 (17020924)			
653845.75	4185073.41	0.00094	(17020924)	653895.75
4185073.41	0.00086 (17020924)			
653945.75	4185073.41	0.00087m	(17120224)	653995.75
4185073.41	0.00088m (17120224)			
653745.75	4185123.41	0.00097	(17020924)	653795.75
4185123.41	0.00094 (17020924)			
653845.75	4185123.41	0.00089	(17020924)	653895.75
4185123.41	0.00082 (17020924)			
653945.75	4185123.41	0.00082m	(17120224)	653995.75
4185123.41	0.00083m (17120224)			
653745.75	4185173.41	0.00093	(17020924)	653795.75
4185173.41	0.00090 (17020924)			
653845.75	4185173.41	0.00085	(17020924)	653895.75
4185173.41	0.00079 (17020924)			
653945.75	4185173.41	0.00078m	(17120224)	653995.75
4185173.41	0.00079m (17120224)			

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (8760
 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV,
ZHILL, ZFLAG)	OF TYPE	GRID-ID	
ALL	1ST HIGHEST VALUE IS	0.01914 AT (	653695.75, 4182823.41, 6.92,
6.92,	0.00) DC		
	2ND HIGHEST VALUE IS	0.01672 AT (	653745.75, 4182773.41, 6.85,
6.85,	0.00) DC		
	3RD HIGHEST VALUE IS	0.01657 AT (	653945.75, 4182723.41, 7.37,
7.37,	0.00) DC		
	4TH HIGHEST VALUE IS	0.01573 AT (	653645.75, 4182873.41, 6.90,
6.90,	0.00) DC		
	5TH HIGHEST VALUE IS	0.01406 AT (	653795.75, 4182723.41, 6.85,
6.85,	0.00) DC		
	6TH HIGHEST VALUE IS	0.01223 AT (	653995.75, 4182723.41, 7.50,
7.50,	0.00) DC		
	7TH HIGHEST VALUE IS	0.01147 AT (	653895.75, 4182673.41, 7.20,
7.20,	0.00) DC		
	8TH HIGHEST VALUE IS	0.01133 AT (	653945.75, 4182673.41, 7.38,
7.38,	0.00) DC		
	9TH HIGHEST VALUE IS	0.01073 AT (	653595.75, 4182923.41, 7.06,
7.06,	0.00) DC		
	10TH HIGHEST VALUE IS	0.01051 AT (	653695.75, 4182773.41, 6.82,
6.82,	0.00) DC		

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR

RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3

**

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
---	-------------------------	--------------------	--------------------	----------

ALL HIGH 1ST HIGH VALUE IS 0.27455 ON 17121723: AT (653695.75,
4182823.41, 6.92, 6.92, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave *** 03/04/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR

RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³

**

GROUP ID (XR, YR, ZELEV, ZHILL, ZFLAG)	AVERAGE CONC OF TYPE	NETWORK GRID-ID	DATE (YYMMDDHH)	RECEPTOR
---	-------------------------	--------------------	--------------------	----------

ALL HIGH 1ST HIGH VALUE IS 0.06687 ON 17011524: AT (653645.75,
4182873.41, 6.90, 6.90, 0.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 21112 *** C:\Lakes\AERMOD View\Maverik
Manteca\Maverik Manteca_operations\Mave *** 03/04/22
*** AERMET - VERSION 18081 ***
*** 09:09:29

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 6 Warning Message(s)
A Total of 228 Informational Message(s)

A Total of 8760 Hours Were Processed

A Total of 36 Calm Hours Identified

A Total of 192 Missing Hours Identified (2.19 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
ME W186 2637 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 2637 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

MX W420 5704 METQA: Wind Speed Out-of-Range. KURDAT =
17082616
MX W420 5728 METQA: Wind Speed Out-of-Range. KURDAT =
17082716
MX W420 5734 METQA: Wind Speed Out-of-Range. KURDAT =
17082722
MX W420 5740 METQA: Wind Speed Out-of-Range. KURDAT =
17082804

*** AERMOD Finishes Successfully ***

APPENDIX C
SJCOG ADVISORY STATEMENT



S J C O G, Inc.

555 East Weber Avenue • Stockton, CA 95202 • (209) 235-0600 • FAX (209) 235-0600

*San Joaquin County Multi-Species Habitat Conservation &
Open Space Plan (SJMSCP)*

**The Crossing Retail Center Project
SJMSCP Incidental Take Minimization Measures
(APN: 241-32-44)**

Date: December 17, 2020

Findings: Potential nesting habitat for western burrowing owl and Swainson's hawk

Potential nesting habitat for common birds (Migratory Bird Treaty Act)

Total Disturbed Acres Anticipated: 13.40 acres

Habitat Types to be Disturbed: Urban (U) Habitat Land (City of Manteca Compensation Map)

Project Jurisdiction: City of Manteca

Advisory Statements

After inspecting the project site, and project site conditions, the San Joaquin Council of Governments (SJCOG) provides the following *advisory statements* to the applicant. No further action is required with the SJCOG with respect to the following statements. SJCOG does not accept any liability for the accuracy of these statements since each regulatory agency discussed below must determine the extent of its own regulatory authority with respect to the proposed project.

It should be noted that two important federal and state agencies (U.S. Army Corps of Engineers and the California Regional Water Quality Control Board) and California Department of Fish and Wildlife Streambed Alteration requirements have not issued permits to the SJCOG and so payment of the fee to use the SJMSCP will not modify requirements (1600/1602) now imposed by these agencies. **If potential waters of the United States [pursuant to Section 404 Clean Water Act] may occur on the project site**, it therefore may be prudent to obtain a preliminary wetlands map from a qualified consultant. If waters of the United States are confirmed on the project site, the Corps and the Regional Water Quality Control Board (RWQCB) would have regulatory authority over those mapped areas [pursuant to Section 404 and 401 of the Clean Water Act respectively] and permits would likely be required from each of these resource agencies prior to impacting these features on the project site.

The SJMSCP covers lawful activities which must comply with all federal, state and local laws for coverage. The **Migratory Bird Treaty Act (MBTA)** is a federal act which protects many birds and their habitats. Those species go beyond the listed SJMSCP species but are included as protective measures for compliance with the federal MBTA measures. The measures will be stated under **MBTA Compliance** in the prescribed ITMM.

The ITMM is not deemed complete until finalized by SJCOG, Inc. staff and provided back to the project.

Conditions

Prior to ground disturbance:

1. Incidental Take Minimization Measures (ITMMs) will be issued to the project and must be signed by the project applicant prior to any ground disturbance but no later than six (6) months from receipt of the ITMMs. If ITMMs are not signed within six months, the applicant must reapply for SJMSCP Coverage. Upon receipt of signed ITMMs from project applicant, SJCOG, Inc. staff will sign the ITMMs. This is the effective date of the ITMMs.
2. Under no circumstance shall ground disturbance occur without compliance and satisfaction of the ITMMs.
3. Upon issuance of fully executed ITMMs and prior to any ground disturbance, the project applicant must:
 - a. Post a bond for payment of the applicable SJMSCP fee covering the entirety of the project acreage being covered (the bond should be valid for no longer than a 6 month period); or
 - b. Pay the appropriate SJMSCP fee for the entirety of the project acreage being covered; or
 - c. Dedicate land in-lieu of fees, either as conservation easements or fee title; or
 - d. Purchase approved mitigation bank credits.
4. Within 6 months from the effective date of the ITMMs or issuance of a building permit, whichever occurs first, the project applicant must:
 - a. Pay the appropriate SJMSCP for the entirety of the project acreage being covered; or
 - b. Dedicate land in-lieu of fees, either as conservation easements or fee title; or
 - c. Purchase approved mitigation bank credits.

Failure to satisfy the obligations of the mitigation fee shall subject the bond to be called.

Pay appropriate SJMSCP 2020 fees based on habitat categories and rates to **SJCOG, Inc.:**

- Urban (U) Habitat – 13.40 acres x \$0.00 per acre = \$0.00

Total Fee due: \$0.00

Note: If fees are not paid prior to January 1, 2021 this project will be subject to the subsequent fee change, and the fee above will no longer be applicable.

Project Proponent Must Initial Here As to Understanding the Note Above: _____

Prior to commencing ground disturbance:

Surveys

Initial and/or follow up surveys shall be conducted no greater than 14 days and 24 hours prior to construction for burrowing owl; and 14 days prior for Swainson's hawk and common nesting birds protected under the Migratory Bird Treaty Act (MBTA). If these species are observed nesting on the project site then the following Incidental Take Minimization Measures shall be implemented.

5.2.4.11 Swainson's Hawk

The Project Proponent has the option of retaining known or potential **Swainson's hawk** nest trees (i.e., trees that hawks are known to have nested in within the past three years or trees, such as large oaks, which the hawks prefer for nesting) or removing the nest trees.

If the Project Proponent elects to retain a nest tree, and in order to encourage tree retention, the following Incidental Take Minimization Measure shall be implemented during construction activities:

If a nest tree becomes occupied during construction activities, then all construction activities shall remain a distance of two times the dripline of the tree, measured from the nest.

If the Project Proponent elects to remove a nest tree, then nest trees may be removed between September 1 and February 15, when the nests are unoccupied.

These Incidental Take Minimization Measures are consistent with the provisions of the **Migratory Bird Treaty Act** as described in Section 5.2.3.1(G).

5.2.4.15 Burrowing Owls

The presence of ground squirrels and squirrel burrows are attractive to **burrowing owls**. **Burrowing owls** may therefore be discouraged from entering or occupying construction areas by discouraging the presence of ground squirrels

To accomplish this, the Project Proponent should prevent ground squirrels from occupying the project site early in the planning process by employing one of the following practices:

A. The Project Proponent may plant new vegetation or retain existing vegetation entirely covering the site at a height of approximately 36" above the ground. Vegetation should be retained until construction begins. Vegetation will discourage both ground squirrel and owl use of the site.

B. Alternatively, if burrowing owls are not known or suspected on a project site and the area is an unlikely occupation site for red-legged frogs, San Joaquin kit fox, or tiger salamanders:

The Project Proponent may disc or plow the entire project site to destroy any ground squirrel burrows. At the same time burrows are destroyed, ground squirrels should be removed through one of the following approved methods to prevent reoccupation of the project site. Detailed descriptions of these methods are included in Appendix A, Protecting

Endangered Species, Interim Measures for Use of Pesticides in San Joaquin County, dated March, 2000:

1. **Anticoagulants.** Establish bait stations using the approved rodenticide anticoagulants Chlorophacinone or Diphacinone. Rodenticides shall be used in compliance with U.S. Environmental Protection Agency label standards and as directed by the San Joaquin County Agricultural Commissioner.
2. **Zinc Phosphide.** Establish bait stations with non-treated grain 5-7 calendar days in advance of rodenticide application, and then apply Zinc Phosphide to bait stations. Rodenticides shall be used in compliance with U.S. Environmental Protection Agency label standards and as directed by the San Joaquin County Agricultural Commissioner.
3. **Fumigants.** Use below-ground gas cartridges or pellets and seal burrows. Approved fumigants include Aluminum Phosphide (Fumitoxin, Phostoxin) and gas cartridges sold by the local Agricultural Commissioner's office. NOTE: Crumpled newspaper covered with soil is often an effective seal for burrows when fumigants are used. Fumigants shall be used in compliance with U.S. Environmental Protection Agency label standards and as directed by the San Joaquin County Agricultural Commissioner.
4. **Traps.** For areas with minimal rodent populations, traps may be effective for eliminating rodents. If trapping activities are required, the use of traps shall be consistent with all applicable laws and regulations.

If the measures described above were not attempted or were attempted but failed, and burrowing owls are known to occupy the project site, then the following measures shall be implemented:

A. **Breeding season (February 1 through August 31):** Pre-construction surveys for burrowing owls [following the Staff Report on Burrowing Owls (CDFG 2012)] will be performed no less than 14 days prior and again 24-hours prior to initial ground disturbance activities.

1. Any occupied burrows shall not be disturbed and shall be provided with a 75 meter protective buffer until and unless the TAC, with the concurrence of the Permitting Agencies (representatives on the TAC); or unless a qualified biologist approved by the Permitting Agencies verifies through non-invasive means that either: 1) the birds have not begun egg laying, or 2) juveniles from the occupied burrows are foraging independently and are capable of independent survival.

Once the fledglings are capable of independent survival, a Burrowing Owl Exclusion Plan (BOEP) is developed and approved by the applicable Department of Fish and Wildlife SJMSCP representative/office, and habitat is mitigated in accordance with the Staff Report (CDFG 2012), then the burrow can be destroyed. Pre-construction surveys following destruction of burrows and prior to initial construction activities are required (24-hours prior) to ensure owls do not re-colonize the Project Area.

2. If Project activities are delayed or suspended for more than 15 days during the breeding season, surveys will be repeated.

B. Non-breeding season (September 1 through January 31): Pre-construction surveys following the Staff Report on Burrowing Owls (CDFG 2012) will be performed prior (no less than 14-days and again 24-hours prior) to initial ground disturbance activities.

Burrowing owls may be evicted after a Burrowing Owl Exclusion Plan is developed and approved by the applicable Department of Fish and Wildlife SJMSCP representative/office and habitat is mitigated in accordance with the Staff Report (CDFG 2012).

Pre-construction surveys following destruction of burrows and prior to initial construction activities are required (24-hours prior) to ensure owls do not re-colonize the Project Area. If owls are found within 50 meters of the Project Area, it is recommended that visual screens or other measures are implemented to limit disturbance of the owls without evicting them from the occupied burrows.

MBTA Compliance:

Listed below are effective measures that should be employed at all project development sites nationwide with the goal of reducing impacts to birds and their habitats. A qualified biologist will be required to be on site as a biological monitor during these activities. These measures are grouped into three categories: General, Habitat Protection, and Stressor Management. These measures may be updated through time. We recommend checking the MBTA Conservation Measures website regularly for the most up-to-date list.

1. General Measures

- a. *Educate all employees, contractors, and/or site visitors of relevant rules and regulations that protect wildlife. See the Service webpage on Regulations and Policies for more information on regulations that protect migratory birds.*
- b. *Prior to removal of an inactive nest, ensure that the nest is not protected under the Endangered Species Act (ESA) or the Bald and Golden Eagle Protection Act (BGEPA). Nests protected under ESA or BGEPA cannot be removed without a valid permit.
 - i. *See the Service Nest Destruction Policy**
- c. *Do not collect birds (live or dead) or their parts (e.g., feathers) or nests without a valid permit. Please visit the Service permits page for more information on permits and permit applications.*
- d. *Provide enclosed solid waste receptacles at all project areas. Non-hazardous solid waste (trash) would be collected and deposited in the on-site receptacles. Solid waste would be collected and disposed of by a local waste disposal contractor. For more information about solid waste and how to properly dispose of it, see the EPA Non-Hazardous Waste website.*
- e. *Report any incidental take of a migratory bird, to the local Service Office of Law Enforcement.*
- f. *Consult and follow applicable Service industry guidance.*

2. Habitat Protection

- a. *Minimize project creep by clearly delineating and maintaining project boundaries (including staging areas).*

- b. Consult all local, State, and Federal regulations for the development of an appropriate buffer distance between development site and any wetland or waterway. For more information on wetland protection regulations see the Clean Water Act sections 401 and 404.
- c. Maximize use of disturbed land for all project activities (i.e., siting, lay-down areas, and construction).
- d. Implement standard soil erosion and dust control measures. For example:
 - i. Establish vegetation cover to stabilize soil
 - ii. Use erosion blankets to prevent soil loss
 - iii. Water bare soil to prevent wind erosion and dust issues

3. **Stressor Management**

Stressor: Vegetation Removal

Conservation Goal: Avoid direct take of adults, chicks, or eggs.

Conservation Measure 1: Schedule all vegetation removal, trimming, and grading of vegetated areas outside of the peak bird breeding season to the maximum extent practicable. Use available resources, such as internet-based tools (e.g., the FWS's Information, Planning and Conservation system and Avian Knowledge Network) to identify peak breeding months for local bird species; or, contact local Service Migratory Bird Program Office for breeding bird information.

Conservation Measure 2: When project activities cannot occur outside the bird nesting season, conduct surveys prior to scheduled activity to determine if active nests are present within the area of impact and buffer any nesting locations found during surveys.

- 1) Generally, the surveys should be conducted no more than five days prior to scheduled activity.
- 2) Timing and dimensions of the area to be surveyed vary and will depend on the nature of the project, location, and expected level of vegetation disturbance.
- 3) If active nests or breeding behavior (e.g., courtship, nest building, territorial defense, etc.) are detected during these surveys, no vegetation removal activities should be conducted until nestlings have fledged or the nest fails or breeding behaviors are no longer observed. If the activity must occur, establish a buffer zone (100-foot minimum) around the nest and no activities will occur within that buffer zone until nestlings have fledged and left the nest area. The dimension of the buffer zone may need to be expanded depending on the proposed activity, habitat type, and species present and should be coordinated with the biologist on site and/or SJMSCP.
- 4) When establishing the buffer zone, construct a barrier (e.g., plastic fencing) to protect the area. If the fence is knocked down or destroyed, work will suspend wholly, or in part, until the fence is satisfactorily repaired.
- 5) When establishing a buffer zone, a qualified biologist will be present onsite to serve as a biological monitor during vegetation clearing and grading activities to ensure no take of migratory birds occurs. Prior to vegetation clearing, the monitor will ensure that the limits of construction have been properly staked and are readily identifiable. Any associated project activities that are inconsistent with the applicable conservation measures, and activities that may result in the 'take of migratory birds' will be immediately halted and reported to the SJMSCP and the appropriate Service office within 24 hours.

- 6) *If establishing a buffer zone of a minimum of 100-feet is not feasible, contact the Service for guidance to minimize impacts to migratory birds associated with the proposed project or removal of an active nest. Active nests may only be removed if you receive a permit from your local Migratory Bird Permit Office. A permit may authorize active nest removal by a qualified biologist with bird handling experience or by a permitted bird rehabilitator.*

Conservation Measure 3: *Prepare a vegetation maintenance plan that outlines vegetation maintenance activities and schedules so that direct bird impacts do not occur.*

Stressor: Invasive Species Introduction

Conservation Goal: *Prevent the introduction of invasive plants.*

Conservation Measure 1: *Prepare a weed abatement plan that outlines the areas where weed abatement is required and the schedule and method of activities to ensure bird impacts are avoided.*

Conservation Measure 2: *For temporary and permanent habitat restoration/enhancement, use only native and local (when possible) seed and plant stock.*

Conservation Measure 3: *Consider creating vehicle wash stations prior to entering sensitive habitat areas to prevent accidental introduction of non-native plants.*

Conservation Measure 4: *Remove invasive/exotic species that pose an attractive nuisance to migratory birds.*

Stressor: Artificial Lighting

Conservation Goal: *Prevent increase in lighting of native habitats during the bird breeding season.*

Conservation Measure 1: *To the maximum extent practicable, limit construction activities to the time between dawn and dusk to avoid the illumination of adjacent habitat areas.*

Conservation Measure 2: *If construction activity time restrictions are not possible, use down shielding or directional lighting to avoid light trespass into bird habitat (i.e., use a 'Cobra' style light rather than an omnidirectional light system to direct light down to the roadbed). To the maximum extent practicable, while allowing for public safety, low intensity energy saving lighting (e.g. low pressure sodium lamps) will be used.*

Conservation Measure 3: *Minimize illumination of lighting on associated construction or operation structures by using motion sensors or heat sensors.*

Conservation Measure 5: *Bright white light, such as metal halide, halogen, fluorescent, mercury vapor and incandescent lamps should not be used.*

Stressor: Human Disturbance

Conservation Goal: *Minimize prolonged human presence near nesting birds during construction and maintenance actions.*

Conservation Measure 1: Restrict unauthorized access to natural areas adjacent to the project site by erecting a barrier and/or avoidance buffers (e.g., gate, fence, wall) to minimize foot traffic and off-road vehicle uses.

Stressor: Collision

Conservation Goal: Minimize collision risk with project infrastructure and vehicles.

Conservation Measure 1: Minimize collision risk with project infrastructure (e.g., temporary and permanent) by increasing visibility through appropriate marking and design features (e.g., lighting, wire marking, etc.).

Conservation Measure 2: On bridge crossing areas with adjacent riparian, beach, estuary, or other bird habitat, use fencing or metal bridge poles (Sebastian Poles) that extend to the height of the tallest vehicles that will use the structure.

Conservation Measure 3: Install wildlife friendly culverts so rodents and small mammals can travel under any new roadways instead of over them. This may help reduce raptor deaths associated with being struck while tracking prey or scavenging road kill on the roadway.

Conservation Measure 4: Remove road-kill carcasses regularly to prevent scavenging and bird congregations along roadways.

Conservation Measure 5: Avoid planting "desirable" fruited or preferred nesting vegetation in medians or Rights of Way.

Conservation Measure 6: Eliminate use of steady burning lights on tall structures (e.g., >200 ft).

Stressor: Entrapment

Conservation Goal: Prevent birds from becoming trapped in project structures or perching and nesting in project areas that may endanger them.

Conservation Measure 1: Minimize entrapment and entanglement hazards through project design measures that may include:

1. Installing anti-perching devices on facilities/equipment where birds may commonly nest or perch
2. Covering or enclosing all potential nesting surfaces on the structure with mesh netting, chicken wire fencing, or other suitable exclusion material prior to the nesting season to prevent birds from establishing new nests. The netting, fencing, or other material must have no opening or mesh size greater than 19 mm and must be maintained until the structure is removed.
3. Cap pipes and cover/seal all small dark spaces where birds may enter and become trapped.

Conservation Measure 2: Use the appropriate deterrents to prevent birds from nesting on structures where they cause conflicts, may endanger themselves, or create a human health and safety hazard.

1. During the time that the birds are trying to build or occupy their nests (generally, between April and August, depending on the geographic location), potential nesting surfaces should be monitored at least once every three days for any nesting activity, especially where bird use of structures is likely to cause take. It is permissible to remove non-active nests (without birds or eggs), partially completed nests, or new nests as they are built (prior to occupation). If birds have started to build any nests, the nests shall be removed before they are completed. Water shall not be used to remove the nests if nests are located within 50 feet of any surface waters.
2. If an active nest becomes established (i.e., there are eggs or young in the nest), all work that could result in abandonment or destruction of the nest shall be avoided until the young have fledged or the nest is unoccupied. Construction activities that may displace birds after they have laid their eggs and before the young have fledged should not be permitted. If the project continues into the following spring, this cycle shall be repeated. When work on the structure is complete, all netting shall be removed and properly disposed of.

Stressor: Noise

Conservation Goal: Prevent the increase in noise above ambient levels during the nesting bird breeding season.

Conservation Measure 1: Minimize an increase in noise above ambient levels during project construction by installing temporary structural barriers such as sand bags

Conservation Measure 2: Avoid permanent additions to ambient noise levels from the proposed project by using baffle boxes or sound walls.

Stressor: Chemical Contamination

Conservation Goal: Prevent the introduction of chemicals contaminants into the environment.

Conservation Measure 1: Avoid chemical contamination of the project area by implementing a Hazardous Materials Plan. For more information on hazardous waste and how to properly manage hazardous waste, see the [EPA Hazardous Waste website](#).

Conservation Measure 2: Avoid soil contamination by using drip pans underneath equipment and containment zones at construction sites and when refueling vehicles or equipment.

Conservation Measure 3: Avoid contaminating natural aquatic and wetland systems with runoff by limiting all equipment maintenance, staging laydown, and dispensing of fuel, oil, etc., to designated upland areas.

Conservation Measure 4: Any use of pesticides or rodenticides shall comply with the applicable [Federal and State laws](#).

1. Choose non-chemical alternatives when appropriate
2. Pesticides shall be used only in accordance with their registered uses and in accordance with the manufacturer's instructions to limit access to non-target species.
3. For general measures to reducing wildlife exposure to pesticides, see EPA's

Pesticides: Environmental Effects website.

Stressor: Fire

Conservation Goal: Minimize fire potential from project-related activities.

Conservation Measure 1: Reduce fire hazards from vehicles and human activities (e.g., use spark arrestors on power equipment, avoid driving vehicles off road).

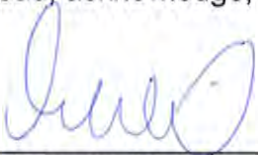
Conservation Measure 2: Consider fire potential when developing vegetation management plans by planting temporary impact areas with a palette of low-growing, sparse, fire resistant native species that meet with the approval of the County Fire Department and local FWS Office.

During project construction:

All food-related trash items such as wrappers, cans, bottles, and food scraps shall be disposed of in closed containers and removed at least once a week from the construction site.

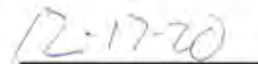
In reliance on the Section 10(a)(1)(B) Permit issued by the United States Fish and Wildlife Service and the Section 2081(b) Incidental Take Permit issued by the California Department of Fish and Wildlife, City of Manteca has consulted with and agreed to allow coverage pursuant to the SJMSCP for *The Crossing Retail Center Project* its successors, agents and assigns pursuant to the "Implementation Agreement for the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan" which will allow *The Crossing Retail Center Project*, its successors, agents and assigns to construct, operate and maintain the Project commonly known as *The Crossing Retail Center Project* and located on Assessor Parcel Numbers 241-320-44 which could result in a legally permitted Incidental Take of the SJMSCP Covered Species in accordance with and subject to the terms and conditions of *The Crossing Retail Center Project* approved by City of Manteca. This Certification applies only to activities on the subject parcel(s) which are carried out in full compliance with the approved plans for *The Crossing Retail Center Project*, Section 10(a)(1)(B) Permit, and Section 2081(b) Incidental Take Permit conditions.

I have read, acknowledge, and agree to the preceding conditions:



Project Proponent for *The Crossing Retail Center Project*

Date



Please Print Name Here

FOR SJCOG, Inc. Use Only:

12/17/2020

SJCOG, Inc. Staff Signature

Official Date of Issuance

Laurel Boyd

06/17/2021

SJCOG, Inc. Staff Print Name Here

Mitigation Due Date



APPENDIX D
SJCOG CERTIFICATE OF PAYMENT



S J C O G, Inc.

555 East Weber Avenue • Stockton, CA 95202 • (209) 235-0600 • FAX (209) 235-0438

*San Joaquin County Multi-Species Habitat Conservation &
Open Space Plan (SJMSCP)*

Certificate of Payment CP-20-148

This Certificate of Payment serves as acknowledgement for payment of development fees pursuant to the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan. The project and fee amount paid are provided below.

Project: The Crossing Retail Center Project

Project Jurisdiction: City of Manteca

Assessor Parcel Number(s): 241-32-44

Project Impact(s): 13.40 acres of Urban (U) Habitat
(City of Manteca Compensation Map)

Payment Date: December 17, 2020

Fee Amount: 13.40 acres x \$0.00 per acre = \$0.00

Total Amount Paid= \$0.00

Certificate Prepared By: Laurel Boyd

Payment Received By Signature: _____

Print Name: Laurel K Boyd **Date:** December 17, 2020





APPENDIX E
CULTURAL RESOURCES STUDY



Maverik Manteca Retail Project

Cultural Resources Assessment Report

prepared for

Kimley-Horn

555 Capitol Mall, Suite 300
Sacramento, California 95814
Contact: Alex Jewell

prepared by

Rincon Consultants, Inc.

449 15th Street, Suite 303
Oakland, California 94612

February 2022



RINCON CONSULTANTS, INC.

Environmental Scientists | Planners | Engineers

rinconconsultants.com

Confidentiality

The following document contains sensitive and confidential information concerning archaeological sites. This report should be held confidential and is not for public distribution. Archaeological site locations are exempt from the California Public Records Act, as specified in Government Code 6254.10, and from the Freedom of Information Act (Exemption 3), under the legal authority of both the National Historic Preservation Act (PL 102-574, Section 304[a]) and the Archaeological Resources Protection Act (PL 96-95, Section 9[a]). Sections of this report contain maps and other sensitive information. Distribution should be restricted appropriately.

Please cite this report as follows:

Losco, A., L. Maldonado, D. Merrick, H. Blind and A. Pulcheon

2022. Maverik Manteca Retail Project, San Joaquin County, California. Rincon Consultants
Project No. 21-12215. Report on file at the Central Information Center, California State
University Stanislaus, California

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Appendix A	California Historical Resources Information System Record Results
Appendix B	Native American Heritage Commission Sacred Lands File Request Results
Appendix C	Survey Photographs of the Project Site

Executive Summary

Rincon Consultants, Inc. (Rincon) was retained by Kimley-Horn to conduct a cultural resources study for the Maverik Manteca Retail Project (proposed project). Located in the city of Manteca, San Joaquin County, the proposed project will involve development of a 17-acre parcel located north-northeast of the intersection of West Atherton Drive and Airport Way. The proposed project is subject to the California Environmental Quality Act (CEQA) with the City of Manteca (City) acting as the lead agency under CEQA.

This cultural resources study was prepared to support compliance with CEQA and included a cultural resources records search of the California Historical Resources Information System (CHRIS), a Sacred Lands File (SLF) search, a pedestrian survey of the project site, and the preparation of this report to summarize the results of these activities.

The records searches and pedestrian survey identified no cultural resources within the project site. Therefore, Rincon recommends a finding for the proposed project of ***less-than-significant impact with mitigation for archaeological resources under CEQA***. As standard best management practices under CEQA, Rincon has recommended measures in the unlikely event of an unanticipated discovery during project construction.

1 Introduction

Kimley-Horn retained Rincon Consultants Inc. (Rincon) to conduct a cultural resources assessment for the Maverik Manteca Retail Project (proposed project) in Manteca, San Joaquin County, California. This assessment documents the tasks conducted by Rincon, specifically, a cultural resources records search, Sacred Lands File (SLF) search, and a field survey. This assessment has been completed pursuant to the requirements of the California Environmental Quality Act (CEQA). The City of Manteca is the lead agency under CEQA.

1.1 Project Site and Description

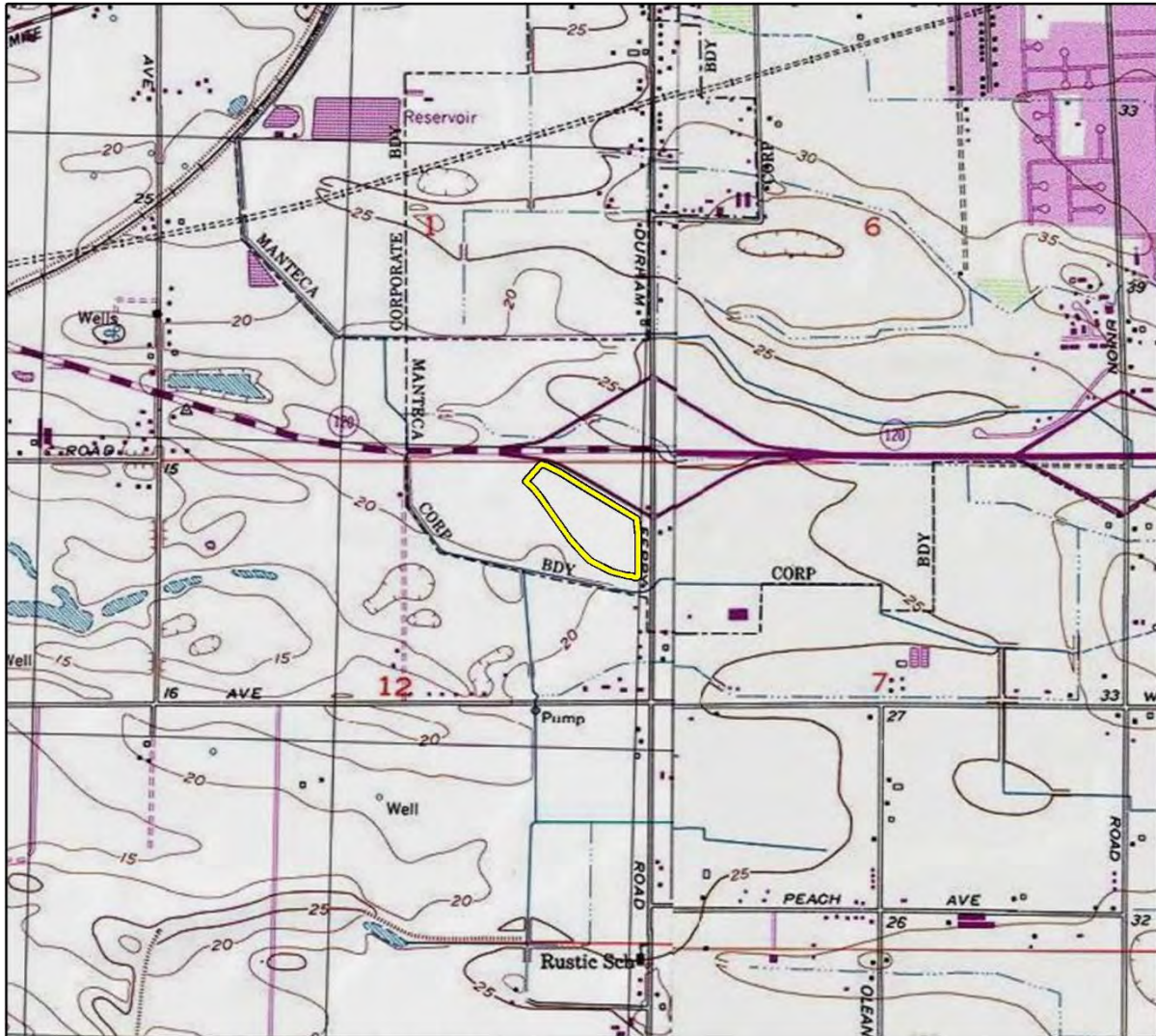
The project site is located at West Atherton Drive and Airport Way in the city of Manteca (Figure 1 and Figure 2). Specifically, the proposed project encompasses portions of Section 12 of Township 02S, Range 06E on the *Lathrop, California* and *Manteca, California* United States Geological Survey (USGS) 7.5-minute topographic quadrangles.

The project will involve the development of a 17-acre parcel located north-northeast of the intersection of West Atherton Drive and Airport Way with retail and commercial buildings. The project site is surrounded by single-family dwellings to the south and east and commercial uses to the north of State Route 120. A gas station will be constructed at the northwest corner of West Atherton Drive and Airport Way including new driveways off each road to access the station. Seven commercial buildings will be developed to the north and west of the gas station with associated parking lots, driveways, and landscaped areas. At the far northwest corner of the lot occupying approximately 2.25 acres, a four-story hotel will be constructed with 145 parking spots. At the intersection of West Atherton Drive and Langum Way, a traffic signal will be constructed to regulate the increase in traffic (Figure 3).

1.2 Personnel

Rincon Archaeologist and Project Manager Dustin Merrick, MA, Registered Professional Archaeologist (RPA), provided management oversight for this cultural resources study. Architectural Historian Ashley Losco, MSHP, is the primary author of this report. Rincon Archaeologist Laura Maldonado, BA, conducted the field survey and is also a contributing author on this report. Mr. Merrick performed the cultural resources records search and the Native American outreach for this project. Senior Archaeologist Heather Blind, MA, RPA, provided management oversight and reviewed the project for archaeological resources and is a contributing author of this report. Geographic Information Systems Analyst Allysén Valencia prepared the figures found in this report. Principal Archaeologist Andrew Pulcheon, RPA, AICP, CEP, reviewed this report for quality control.

Figure 1 Regional Location



Basemap provided by National Geographic Society, Esri and their licensors © 2022. Lathrop Quadrangle. T02S R06E S12. The topographic representation depicted in this map may not portray all of the features currently found in the vicinity today and/or features depicted in this map may have changed since the original topographic map was assembled.

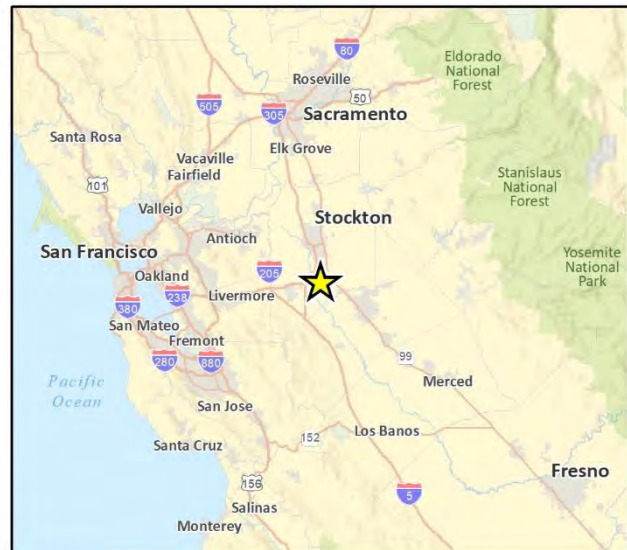
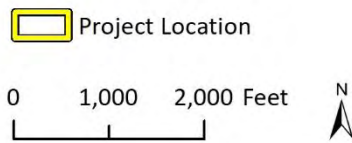
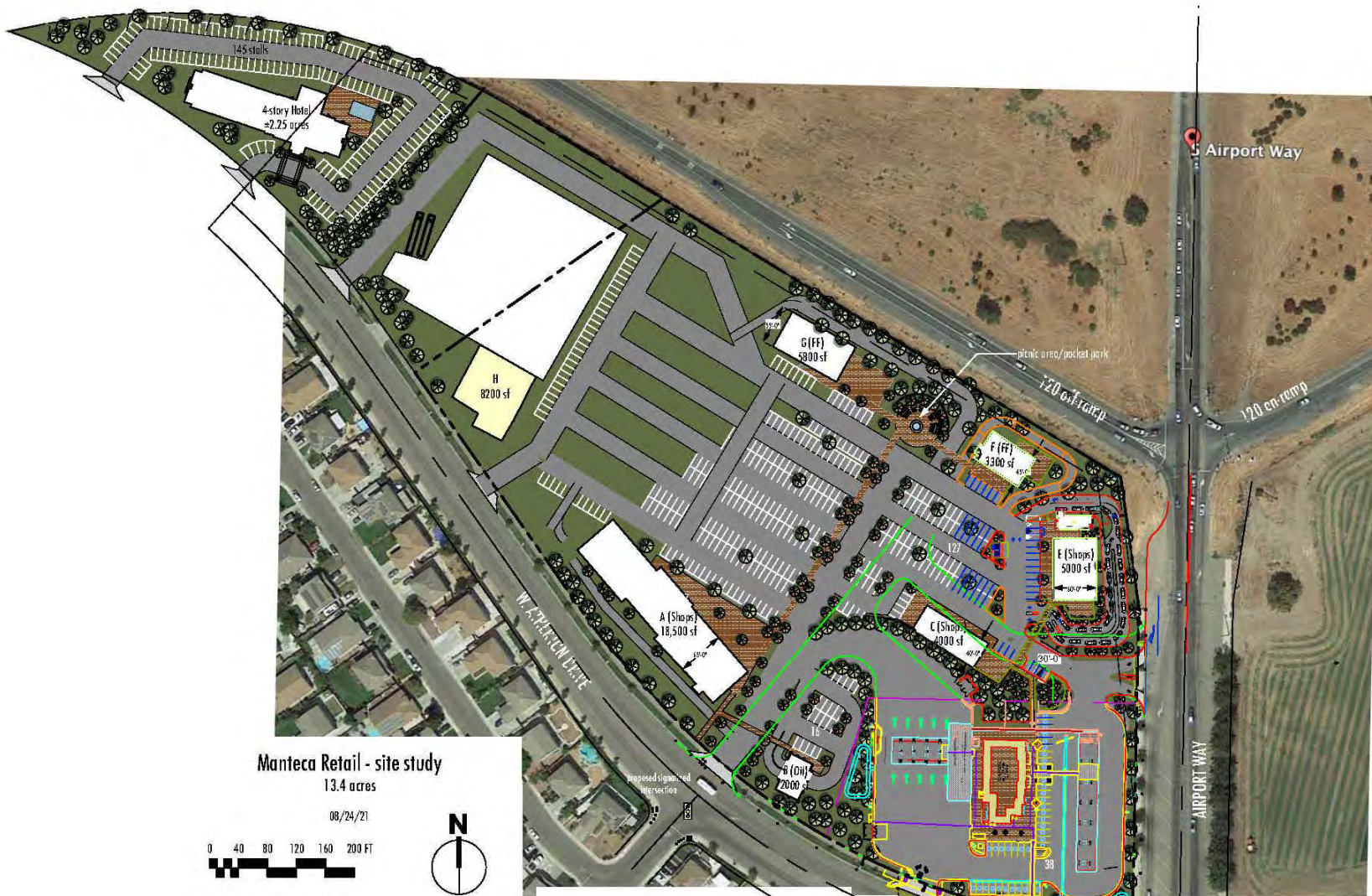


Figure 2 Project Site



Imagery provided by Microsoft Bing and its licensors © 2021.

Figure 3 Proposed Project Plans



2 Regulatory Setting

This section includes a discussion of the applicable state and local laws, ordinances, regulations, and standards governing cultural resources, which must be adhered to before and during implementation of the proposed project.

2.1 California Environmental Quality Act

California Public Resources Code (PRC) Section 21804.1 requires lead agencies determine if a project could have a significant impact on historical or unique archaeological resources. As defined in the PRC Section 21084.1, a historical resource is a resource listed in, or determined eligible for listing in, the California Register of Historical Resources (CRHR), a resource included in a local register of historical resources or identified in a historical resources survey pursuant to PRC Section 5024.1(g); or any object, building, structure, site, area, place, record, or manuscript that a lead agency determines to be historically significant. PRC Section 21084.1 also states resources meeting the above criteria are presumed to be historically or cultural significant unless the preponderance of evidence demonstrates otherwise. Resources listed in the National Register of Historic Places (NRHP) are automatically listed in the CRHR and are, therefore, historical resources under CEQA. Historical resources may include eligible built environment resources and archaeological resources of the precontact or historic periods.

CEQA Guidelines Section 15064.5(c) provides further guidance on the consideration of archaeological resources. If an archaeological resource does not qualify as a historical resource, it may meet the definition of a “unique archaeological resource” as identified in PRC Section 21083.2. PRC Section 21083.2(g) defines a unique archaeological resource as an 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: 1) it contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information, 2) has a special and particular quality such as being the oldest of its type or the best available example of its type, or 3) is directly associated with a scientifically recognized important prehistoric or historic event or person.

If an archaeological resource does not qualify as a historical or unique archaeological resource, the impacts of a project on those resources will be less than significant and need not be considered further (CEQA Guidelines Section 15064.5[c][4]). CEQA Guidelines Section 15064.5 also provides guidance for addressing the potential presence of human remains, including those discovered during the implementation of a project.

According to CEQA, an impact that results in a substantial adverse change in the significance of a historical resource is considered a significant impact on the environment. A substantial adverse change could result from physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of the historical resource would be materially impaired (CEQA Guidelines §15064.5 [b][1]). Material impairment is defined as demolition or alteration in an adverse manner [of] those characteristics of a historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the CRHR or a local register (CEQA Guidelines §15064.5[b][2][A]).

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that resources cannot be left undisturbed, mitigation measures are required (PRC §21083.2[a][b]).

Section 15126.4 of the CEQA Guidelines stipulates an EIR shall describe feasible measures to minimize significant adverse impacts. In addition to being fully enforceable, mitigation measures must be completed within a defined time period and roughly proportional to the impacts of the project. Generally, a project which is found to comply with the Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings (the Standards) is considered to be mitigated below a level of significance (CEQA Guidelines Section 15126.4 [b][1]). For historical resources of an archaeological nature, lead agencies should also seek to avoid damaging effects where feasible. Preservation in place is the preferred manner to mitigate impacts to archaeological sites; however, data recovery through excavation may be the only option in certain instances (CEQA Guidelines Section 15126.4[b][3]).

2.1.1 National Register of Historic Places

Although the project does not have a federal nexus, properties which are listed in or have been formally determined eligible for listing in the NRHP are automatically listed in the CRHR. The following is therefore presented to provide applicable regulatory context. The NRHP was authorized by Section 101 of the National Historic Preservation Act and is the nation's official list of cultural resources worthy of preservation. The NRHP recognizes the quality of significance in American, state and local history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects. Per 36 CFR Part 60.4, a property is eligible for listing in the NRHP if it meets one or more of the following criteria:

- Criterion A:** Is associated with events that have made a significant contribution to the broad patterns of our history
- Criterion B:** Is associated with the lives of persons significant in our past
- Criterion C:** Embodies the distinctive characteristics of a type, period, or method of installation, 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
- Criterion D:** Has yielded, or may be likely to yield, information important in prehistory or history

In addition to meeting at least one of the above designation criteria, resources must also retain integrity. The National Park Service recognizes seven aspects or qualities that, considered together, define historic integrity. To retain integrity, a property must possess several, if not all, of these seven qualities, defined as follows:

- Location:** The place where the historic property was constructed or the place where the historic event occurred
- Design:** The combination of elements that create the form, plan, space, structure, and style of a property
- Setting:** The physical environment of a historic property

- Materials:** The physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property
- Workmanship:** The physical evidence of the crafts of a particular culture or people during any given period in history or prehistory
- Feeling:** A property's expression of the aesthetic or historic sense of a particular period of time
- Association:** The direct link between an important historic event or person and a historic property

Certain properties are generally considered ineligible for listing in the NRHP, including cemeteries, birthplaces, graves of historical figures, properties owned by religious institutions, relocated structures, or commemorative properties. Additionally, a property must be at least 50 years of age to be eligible for listing in the NRHP. The National Park Service states that 50 years is the general estimate of time needed to develop the necessary historical perspective to evaluate significance (National Park Service 1997:41). Properties which are less than 50 years must be determined to have "exceptional importance" to be considered eligible for NRHP listing.

2.1.2 California Register of Historical Resources

The CRHR was established in 1992 and codified by PRC §§5024.1 and 4852. The CRHR is an authoritative listing and guide to be used by State and local agencies, private groups, and citizens in identifying the existing historical resources of the State and to indicate which resources deserve to be protected, to the extent prudent and feasible, from substantial adverse change (Public Resources Code, 5024.1(a)). The criteria for eligibility for the CRHR are consistent with the NRHP criteria but have been modified for state use in order to include a range of historical resources that better reflect the history of California (Public Resources Code, 5024.1(b)). Unlike the NRHP however, the CRHR does not have a defined age threshold for eligibility; rather, a resource may be eligible for the CRHR if it can be demonstrated sufficient time has passed to understand its historical or architectural significance (California Office of Historic Preservation 2011). Further, resources may still be eligible for listing in the CRHR even if they do not retain sufficient integrity for NRHP eligibility (California Office of Historic Preservation 2011). Generally, the California Office of Historic Preservation recommends resources over 45 years of age be recorded and evaluated for historical resources eligibility (California Office of Historic Preservation 1995:2).

A property is eligible for listing in the CRHR if it meets one or more of the following criteria:

- Criterion 1:** Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage
- Criterion 2:** Is associated with the lives of persons important to our past
- Criterion 3:** Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values
- Criterion 4:** Has yielded, or may be likely to yield, information important in prehistory or history

2.1.3 California Assembly Bill 52 of 2014

As of July 1, 2015, Assembly Bill (AB) 52 was enacted and expands CEQA by defining a new resource category: “tribal cultural resources.” AB 52 establishes “a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment” (PRC Section 21084.2). It further states that the CEQA lead agency shall establish measures to avoid impacts that would alter the significant characteristics of a tribal cultural resource, when feasible (PRC Section 21084.3).

PRC Section 21074 (a)(1)(A) and (B) define tribal cultural resources as “sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe” and that meets at least one of the following criteria, as summarized in CEQA Guidelines Appendix G:

- 1) Listed or eligible for listing in the CRHR, or in a local register of historical resources as defined in PRC Section 5020.1(k)
- 2) 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 PRC Section 5024.1. In applying these criteria, the lead agency shall consider the significance of the resource to a California Native American tribe.

AB 52 also establishes a formal consultation process with California Native American tribes that must be completed before a CEQA document can be certified. Under AB 52, lead agencies are required to “begin consultation with a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project.” California Native American tribes to be included in the process are those that have requested notice of projects proposed within the jurisdiction of the lead agency.

2.2 California Senate Bill 18 of 2004

California Government Code Section 65352.3 (adopted pursuant to the requirements of Senate Bill [SB] 18) requires local governments to contact, refer plans to, and consult with tribal organizations prior to making a decision to adopt or amend a general or specific plan. The tribal organizations eligible to consult have traditional lands in a local government’s jurisdiction and are identified, upon request, by the Native American Heritage Commission (NAHC). As noted in the California Office of Planning and Research’s Tribal Consultation Guidelines (2005), “the intent of SB 18 is to provide California Native American tribes an opportunity to participate in local land use decisions at an early planning stage, for the purpose of protecting, or mitigating impacts to, cultural places.” SB 18 refers to PRC Section 5097.9 and 5097.995 to define cultural places as:

- A Native American sanctified cemetery, place of worship, religious or ceremonial site, or sacred shrine (PRC Section 5097.9)
- A Native American historic, cultural, or sacred site, that is listed or may be eligible for listing in the California Register of Historical Resources pursuant to Section 5024.1, including any historic or prehistoric ruins, any burial ground, any archaeological or historic site (PRC Section 5097.995)

2.3 California Health and Safety Code

Section 7050.5 of the California Health and Safety Code states that in the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the coroner of the county in which the remains are discovered has determined if the remains are subject to the Coroner's authority. If the human remains are of Native American origin, the Coroner must notify the Native American Heritage Commission (NAHC) within 24 hours of this identification.

2.4 California Public Resources Code §5097.98

Section 5097.98 of the California Public Resources Code states that the NAHC, upon notification of the discovery of Native American human remains, pursuant to Health and Safety Code §7050.5, shall immediately notify those persons (i.e., the Most Likely Descendant [MLD]) that it believes to be descended from the deceased. With permission of the landowner or a designated representative, the MLD may inspect the remains and any associated cultural materials and make recommendations for treatment or disposition of the remains and associated grave goods. The MLD shall provide recommendations or preferences for treatment of the remains and associated cultural materials within 48 hours of being granted access to the site.

2.5 Local Regulations

2.5.1 City of Manteca General Plan

Although the City of Manteca does not have a historic preservation ordinance with criteria for local designation, the General Plan, which was adopted in 2003, includes goals and polices relating to cultural resources (City of Manteca 2003). As presented in the Resource Conservation Element these include:

Section 8.12. Cultural Resources

The prehistory of the Manteca area is based on the archaeology of the greater Sacramento Delta region. Modern Manteca began as a railroad flag stop, Powell's Station, at the present location of downtown. Community life within Manteca's present city limits focused on the corner of Louise Avenue and Union Road.

Residential neighborhoods were beginning to fill in by 1918. The City of Manteca was incorporated on May 28, 1918. During the 1950's, the City grew even faster, as Manteca's inexpensive housing and small-town atmosphere drew workers from the Sharpe Army Depot in Lathrop and industrial plants in outlying areas.

Goal RC-11. Preserve and enhance Manteca's archaeological and historic resources for their aesthetic, educational and cultural values.

Goal RC-12. Protect Manteca's Native American heritage.**8.12.1 Policies: Cultural Resources**

RC-P-37. The City shall not knowingly approve any public or private project that may adversely affect an archaeological site without consulting the California Archaeological Inventory at Stanislaus State University, conducting a site evaluation as may be indicated, and attempting to mitigate any adverse impacts according to the recommendation of a qualified archaeologist. City implementation of this policy shall be guided by the California Environmental Quality Act (CEQA) and the National Historic Preservation Act (NHPA).

RC-P-38. The City shall require that the proponent of any development proposal in an area with potential archaeological resources, and specifically near the San Joaquin River and Walthall Slough, and on the east side of State Highway 99 at the Louise Avenue crossing, shall consult with the California Archaeological Inventory, Stanislaus State University to determine the potential for discovery of cultural resources, conduct a site evaluation as may be indicated, and mitigate any adverse impacts according to the recommendation of a qualified archaeologist. The survey and mitigation shall be developer funded.

RC-P-39. The City shall set as a priority the protection and enhancement of Manteca's historically and architecturally significant buildings.

RC-P-40. The City shall work with property owners seeking registration of historical structures as Historic Landmarks or listing on the Register of Historic Sites.

RC-P-41. The City shall prepare and adopt a Historical Preservation Ordinance.

RC-P-42. The City and Redevelopment Agency shall support the efforts of property owners to preserve and renovate historic and architecturally significant structures. Where such buildings cannot be preserved intact, the City shall seek to preserve the building facades.

8.12.2 Implementation: Cultural Resources

RC-I-38. Require a records search for any proposed development project, to determine whether the site contains known archaeological, historic, or cultural resources and/or to determine the potential for discovery of additional cultural resources. This requirement may be waived if determined by the City that the proposed project site is already sufficiently surveyed.

RC-I-39. Require that sponsors of proposed development projects on sites where probable cause for discovery of archaeological resources (as indicated by records search and where resources have been discovered in the vicinity of the project) retain a consulting archaeologist to survey the project site. If unique resources, as defined by California State law, are found, a qualified archaeologist or historian shall be called to evaluate the find and to recommend proper action. Require a monitoring plan for the project to ensure that mitigation measures are implemented.

RC-I-40. When feasible, incorporate significant archaeological sites into open space areas.

RC-I-41. The City should continue its inventory of all historic sites throughout the City. The inventory should contain a narrative of the significant facts regarding the historic events or persons associated with the site, and pictures of the site.

RC-I-42. The City shall continue to support the local historical society in their efforts to:

- Archive historic information, including photographs, publications, oral histories, and other materials, and
- Make the information available to the public for viewing and research.

RC-I-43. All City permits for reconstruction or modification of existing buildings will require submittal of a photograph of the existing structure or site. The intent is to create a record of the buildings in the City over time. A photograph will also be required for vacant sites that will be modified with new construction of new buildings or other above ground improvements.

RC-I-44. Encourage the placement of monuments or plaques that recognize and celebrate historic sites, structures, and events.

RC-I-45. The City shall adopt and implement a historic building code, as authorized by state law.

RC-I-46. If human remains are discovered, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made the necessary findings as to their origin and disposition pursuant to Public Resource code Section 5097.98. If the Coroner determines that no investigation of the cause of death is required, and if the remains are of Native American origin, the Coroner will notify the Native American Heritage Commission, which in turn will inform a most likely descendent. The descendent will then recommend to the landowner appropriate disposition of the remains and any grave goods.

3 Methods

This section presents the methods for each task completed during the preparation of this assessment.

3.1 Background and Archival Research

3.1.1 Archival Research

Rincon completed background and archival research in support of this assessment in January 2022. A variety of primary and secondary source materials were consulted, including, but not limited to, historical maps, aerial photographs, and written histories of the area. The following sources were utilized to develop an understanding of the project site and its context:

- Project plans from Kimley-Horn
- San Joaquin County Assessor's Office Property Records
- Historical aerial photographs and topographic maps accessed via NETR Online
- Historical aerial photographs obtained from Environmental Resources Data, Inc.
- Historical aerial photographs accessed via University of California, Santa Barbara Library FrameFinder
- City of Manteca Building Permits Accessed via the City of Manteca Building Safety Department

3.1.2 California Historical Resources Information System Records Search

On January 10, 2022, Rincon received California Historical Resources Information System (CHRIS) records search results (12028L) from the Central California Information Center (Appendix A). The Central California Information Center is the official state repository for cultural resources records and reports for the county in which the project falls. The purpose of the records search was to identify previously recorded cultural resources, as well as previously conducted cultural resources studies within the project site and a 1-mile radius surrounding it. Rincon also reviewed the NRHP, the CRHR, the California Historical Landmarks list, and the Built Environment Resources Directory (BERD), as well as its predecessor the California State Historic Property Data (HPD) File. Additionally, Rincon reviewed the Archaeological Determination of Eligibility (ADOE) list.

3.1.3 Sacred Lands File Search

Rincon contacted the NAHC on January 3, 2022, to request a search of the Sacred Lands File, as well as a contact list of Native Americans culturally affiliated with the project site. Appendix B provides the results of Rincon's outreach effort.

3.2 Field Survey

Rincon Archaeologist Laura Maldonado, BA, conducted a pedestrian survey of the project site on January 13, 2022. The pedestrian survey was conducted using transect intervals spaced 10 meters and oriented from east to west. Exposed ground surfaces were examined for artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools, ceramics, fire-affected rock [FAR]), ecofacts (marine shell and bone), soil discoloration that might indicate the presence of a cultural midden, soil depressions, and features indicative of the former presence of structures or buildings (e.g., standing exterior walls, postholes, foundations) or historic debris (e.g., metal, glass, ceramics). Ground disturbances such as burrows were also visually inspected. Survey accuracy was maintained using a handheld GPS unit and a georeferenced map of the project site. Site characteristics and survey conditions were documented using field records and a digital camera. Copies of the survey notes and digital photographs are maintained at the Rincon Oakland office.

4 Natural and Cultural Setting

This section provides background information pertaining to the natural and cultural context of the project site. It places the project site within the broader natural environment which have sustained populations throughout history. This section also provides an overview of regional indigenous history, local ethnography, and post-contact history. This background information describes the distribution and type of cultural resources documented within the vicinity of the project site to inform the cultural resources sensitivity assessment and the context within which resources have been evaluated.

4.1 Natural Setting

The project site lies in San Joaquin County at an approximate elevation of 7.9 meters (26 feet) above mean sea level. None of the surrounding area retains its natural setting, with the project site located in a residential area characterized by a mix of single-family homes and apartment complexes. The property is currently undeveloped except in the northeastern portion which is developed with eight buildings as a home showcase for an adjacent residential development. The San Joaquin River is located approximately 2.5 miles west of the project site, and the Stanislaus River is approximately 6-miles south. Vegetation within the vicinity of the site consists of annual grasses, ornamental trees, including low ground cover and succulents, consistent with urban environmental settings, and has manicured landscapes.

The project site is underlain by Quaternary age, alluvial deposits, specifically one surficial geologic unit underlies the site: (Qaya) “light-gray to grayish-brown or yellowish-brown gravel, sand, silt, and clay” (Wahrhaftig, Stine, and Huber 1993). Materials are generally coarser near upland areas, grading downstream to finer materials and are found as stream-channel deposits, low stream terraces, and alluvial fans along major rivers and tributaries (Wahrhaftig, Stine, and Huber 1993). Because of the episodic nature of alluvial sedimentation, the sudden burial of artifacts is possible, and alluvial soils have an increased likelihood of containing buried archaeological deposits (Waters 1983, Borejaza et al. 2014).

4.2 Cultural Setting

4.2.1 Indigenous History

Prehistoric Setting

The Central Valley has been described as one of the largest intermontane basins extending 650 kilometers from the Siskiyou Mountains to the Tehachapis (Rosenthal et al. 2007). No single chronological framework covers the entirety of the Central Valley, but California prehistory is generally divided into three broad time periods: the Paleoindian period (ca. 11,550-8,550 B.C), the Archaic Period (8,550 BCE-CE 1100) and the Emergent Occupation (CE 1000- European Contact) (Fredrickson 1973, 1974) which has been updated and adjusted by Rosenthal et al. (2007) to further separate the Archaic Period into Lower (8550 BCE to 5550 BCE), Middle (5550 BCE to 550 BCE), and Upper (550 BCE to CE 1100). The prehistoric chronological sequence for the Central Valley presented below is based on Rosenthal et al. (2007) and Moratto (1984).

Paleoindian Period (11,550-8550 BCE)

Little is currently known about the Paleoindian period in the Central Valley. Geoarchaeological studies have demonstrated that erosion and deposition have buried or destroyed early archaeological deposits. Most claims of ancient human occupation have been dismissed by Moratto (1984) based on radiocarbon dating. This period is represented by isolated finds, and currently, the earliest accepted date of human occupation in the Central Valley ranges from 11,550 to 9,550 BCE and comes from fluted projectile points similar to Clovis points found at sites near Tracy Lake and the Tulare Lake Basin. Along with fluted projectile points, concave base points have been discovered along the Tulare Lake shoreline which was occupied during the Late Pleistocene (Rosenthal et al. 2007).

Lower Archaic (8,550-5,550 BCE)

Climate change at the end of the Pleistocene caused significant periods of alluvial deposition beginning around 9,050 BCE. These new alluvial deposits created a clear stratigraphic boundary between the Late Pleistocene and Holocene sediments. The Lower Archaic, like the Paleoindian Period, is represented only by limited isolated finds. Only one Lower Archaic site (KER-116) has been identified in the Central Valley proper and few in the foothills surrounding the valley (Rosenthal et al. 2007).

Typical Lower Archaic artifacts include flaked stone crescents and stemmed points, mostly along the shoreline of Tulare Lake. The identification of projectile points and a diverse faunal assemblage at KER-116 point to hunting being an important subsistence activity. However, milling tools and plant remains are largely absent in the valley, thus plant use during the Lower Archaic remains unclear. Several foothill sites contain milling implements and evidence of the use of nut crops such as acorn and pine (LaJeunesse and Pryor 1996). The relationship between foothill and valley floor adaptations is largely unknown during the Lower Archaic; however, it is suggested that the foothill sites may have been seasonally used during this time. More distinct adaptations are apparent in the Middle Archaic, and it is possible that these divergent traditions first emerged in the Lower Archaic (Rosenthal et al. 2007).

Middle Archaic (5,550-550 BCE)

The Middle Archaic began with substantial climate change to much warmer, drier conditions. Tulare Lake shrank and eventually disappeared. With this came new wetlands which created new habitats, and rising sea levels led to the creation of the Sacramento-San Joaquin Delta, creating new deposits. Fans and floodplains stabilized after an initial period of deposition in 5,550 BCE. Archaeological deposits dating to the Middle Archaic are rare in the Central Valley proper due to these geomorphic changes. The Middle Archaic record has revealed a pattern of organized subsistence strategies and increased residential stability. The archetypal pattern of the Middle Archaic has been identified as the Windmill Pattern. This pattern is represented by extended burials oriented to the west and a sophisticated material culture (Rosenthal et al. 2007). Middle Archaic sites are relatively common in the foothills surrounding the Central Valley and show relatively little change from the Lower Archaic (McGuire 1995).

During this time, the mortar and pestle become more widespread suggesting a shift toward more intensive subsistence practices and higher reliance on the acorn. Fishing technologies, such as bone gorges, hooks, and spears, also appear during the Middle Archaic suggesting a new focus on fishing, especially in the Marsh Creek area. Several other technologies become apparent during this time. Baked-clay impressions of twined basketry, simple pottery, and other baked clay objects have been

found at several sites. Personal adornment items also become more frequent. Exchange with outside groups is evidenced by the presence of obsidian, shell beads and ornaments (Rosenthal et al. 2007; Moratto 1984; Burns et al. 2016). Trade also seemed to be focused on utilitarian items such as obsidian or finished obsidian tools from at least five separate sources (Moratto 1984).

Upper Archaic (550 BCE – CE 1100)

The Upper Archaic began with the onset of the Late Holocene, marked by a cooler, wetter climate. The environmental conditions of the Upper Archaic were characterized by the return of lakes that had disappeared during the Middle Archaic and a renewed fan and floodplain deposition. The Upper Archaic is better represented in the archaeological record than earlier periods. Cultural diversity was more pronounced and is marked by contrasting material cultures throughout the valley (Rosenthal et al. 2007).

During this period, numerous specialized technologies were developed such as bone tools, and implements, manufactured goods such as *Olivella* and *Haliotis* beads and ornaments, well-made ceremonial blades, and ground-stone plummets. People living in the San Joaquin Valley region traded with neighboring groups for obsidian.

Upper Archaic period economies varied by region throughout the Central Valley. Economies were primarily focused on seasonal resources such as acorns, salmon, shellfish, rabbits, and deer (Rosenthal et al. 2007).

Emergent Occupation (CE 1000- Historic)

The stable climatic conditions of the Upper Archaic continued into the Emergent Period. There has been sporadic research in the San Joaquin Valley on this time period, and thus only the Pacheco Complex on the western edge of the valley has been formally defined. After CE 1000, many of the technologies witnessed during the Archaic disappeared to be replaced by cultural traditions witnessed at European contact. During the Emergent Period, the bow and arrow replaced the atlatl as the preferred hunting method sometime between CE 1000 and 1300.

Increased social complexity is evidenced by increased variation in burial types and offerings and larger residential communities. Grave offerings such as shell beads, ornaments, and ritually “killed” mortars and pestles are often found in burials. Pottery was frequently obtained through trade with groups living in the foothills to the east. The Panoche side-notched point became important in the western side of the San Joaquin Valley (Rosenthal et al. 2007). In addition to the side-notched point, the Panoche Complex featured large circular structures, flexed burials, marine shell beads, bone awls, millingstones, and mortars and pestles (Moratto 1984).

As with the Archaic Period, Emergent Period economies varied geographically, though throughout the Central Valley fishing and plant harvesting increased in importance. Most Emergent residential sites contain diverse assemblages of mammal and bird remains and large amounts of fish bone. After 1,000 years ago, the mortar and pestle become the dominant tool type and small seeds increase in archaeological deposits over time (Rosenthal et al. 2007).

4.2.2 Ethnographic Setting

The project site is located in the traditional tribal territory of the Coastal Miwok, members of the larger Miwokan subgroup of the Utian language family inhabiting the northern area of Sherman

island surrounding Mount Diablo (Kroeber 1925; Levy 1977). Miwok territory is bordered by the Pomo to the north, Wappo to the northeast, and Patwin to the east.

Miwok settlements typically included thatched, conical houses and semi-subterranean earth-covered dwellings in winter, constructed by higher-status families. Houses generally had a central hearth and an earth oven for cooking purposes. Large, semi-subterranean assembly houses were constructed for use as a ritual and social gathering place. In summer, a circular brush hut was constructed for use in mourning ceremonies. Other structures included sweathouses for curing disease and purification prior to hunting, small conical structures used by menstruating women, and grinding houses built over bedrock mortars to permit food processing in inclement weather. Acorn granaries were constructed for long-term acorn storage (Kroeber 1925; Levy 1977).

Miwok social organization followed the moiety pattern, with all living things belonging to one of two categories: land and water. Moieties were exogamous typically and played an important role in many ceremonies (Levy 1977). On the other hand, political organization centered on small tribelets of approximately 300 to 500 people and several distinct settlements. A chief headed each tribelet, and a representative of the chief each settlement had oversight of local affairs. Chiefs acted as advisors and managed use of natural resources by preventing trespassing on tribelet territory and determining the appropriate time to begin the acorn harvest each season. The chief also arbitrated any disputes and sanctioned the punishment of criminal offenders (Kroeber 1925; Levy 1977).

The Miwok made both twined and coiled basketry, usually from will and redbud. They also manufactured tule mats used as floor covering. Woven blankets were often made of rabbit skin strips or feathers attached to cordage woven from plant fibers. Tule balsa rafts were crafted and used to navigate rivers and sloughs (Levy 1977).

Miwok subsistence practices centered on the use of acorns and other seeds as primary plant food sources and on hunting of mule deer, tule elk, pronghorn antelope, and various species of waterfowl. Hunting was done typically with a sinew-backed bow and arrow. Fishing was a particularly important activity for the Miwok, primarily with various types of nets. Seines were used in large rivers and sloughs where the pace of water flow was slow. Hook and line was typically used to take sturgeon, while harpoons were the most common implement for salmon fishing (Levy 1977).

The Coast Miwok were exploited for labor by Mission Dolores, established in 1800, and later by the Mexican land grant holders. The Coast Miwok population had a dramatic decline. After the establishment of the United States, the Coast Miwok were legally prevented from owning land in their traditional territories. Despite this, Coast Miwok continue to populate the Marin area (Federated Indians of Graton Rancheria 2016).

4.2.3 Post-Contact Setting

The historic context for the City of Manteca was excerpted from the City of Manteca:

“Manteca itself is a relatively young town, first settled by a few pioneer farmers in the heart of one of the greatest agricultural areas in the world. A combination of good soil, excellent climate, and clean water has insured its destiny as a prosperous farming center. There was little activity in Manteca that was not related to agriculture until World War II. Changes came slowly up through the 1970’s, but today Manteca is shedding much of its old image with new high-tech industries. It has become a “bedroom community” for the industrial sites west of the Altamont Pass.

Before the first settlers came, there were few Indians living permanently here on what was then known as the “sand plains”. As the California Gold Rush subsided, permanent settlers came to the area. On the first large land holdings, the principal productions were grain and cattle. During this period, this valley settlement was called Cowell Station, named after Joshua Cowell who was later known as the “father of Manteca”. Joshua Cowell crossed the plains in 1861 and took up land in what has become the center of town, locating on the corner of what is now Yosemite and Main, where the Bank of America and its parking lot now stands. At one time he owned most of Manteca with a claim to 1,000 acres and he rented another 1,000. He had the honor of being the first Mayor when the town was incorporated in 1918.

In 1873, when the Central Pacific Railroad went through this area, the track was laid through the center of the Cowell Farm. At first, the train stopping point was merely a boxcar called Cowell Station. Because there was another Cowell Station south of Tracy named after Wright Cowell, a brother of Joshua, the railroad and the farmers agreed to a name change. The new name chosen was Monteca. The citizens of the town were justly dismayed when the railroad printed the first tickets and found the name misspelled, “Manteca” (Spanish for “lard”). Many of the towns people were unhappy with the error, but it was never corrected.

In 1902, J.J. Overshiner built the first store building which was occupied by a general store and barber shop. The residential area of the city consisted of only a few homes by 1910, with the population at about 100. Shortly after the opening of the first store, the citizens petitioned for a post office.

Cost-effective, reliable irrigation was essential for the development of the area. It was slow in coming but finally in 1909, an election was held to form the South San Joaquin Irrigation District and to authorize a bond issue. The bonds were not issued until 1913. Irrigation water was diverted from the Stanislaus River about 18-miles northeast of Oakdale. The district built all the lateral ditches and prepared to deliver water to every 40-acre tract. That was the town’s real beginning of growth.

East Union Cemetery is one of the oldest landmarks of the entire county. The cemetery dates back to 1872 and was incorporated in 1877. Manteca’s first school was built in 1857. The name given was East Union (to distinguish from Union School in Lathrop). In 1913, the school was destroyed by fire. After many years of discussion, the first local high school classes met in huts in 1920. Previously, many students attended high school in Stockton via train. On January 26, 1923, the new high school building was dedicated and it remained a city landmark until it met the wrecking ball in 1969.

The Manteca Canning Company was organized in 1914 and was in operation almost continuously until closing in 1964. Spreckels Sugar Company was constructed in 1916. Sadly, the company closed the plant. The first cheese factory was established in 1921 and the Kraft Company opened a plant in 1935 which operated until 1957. Other manufacturing and non-manufacturing companies include Sharpe Army Depot, Libbey Owens Ford, Simplot, Olin Industries, etc.

Manteca Hospital opened an 18-room facility on the corner of Yosemite and Sequoia in 1919. It operated only a few years and is now a homeless shelter. After many years without a hospital, a new 49-bed facility was built on Cottage Avenue in 1962. It has been expanded to 73 beds with complete services. Kaiser opened their hospital in 2005. Kaiser Permanente opened a clinic in 1998.

Today Manteca has over 72,000 residents and is the home of Big League Dreams, Bass Pro Shop, Costco, Walmart and many other amenities attracting thousands of tourist each year” (City of Manteca 2022).

5 Findings

5.1 Known Cultural Resources

The CHRIS records search and background research identified 34 cultural resources within a 1-mile radius of the project site. Resources recorded in the search radius are listed in Appendix A. All 34 cultural resources were historic-period archaeological and built environment sites. No resources were recorded within the project site; however, one resource, P-39-005337, was recorded adjacent to the project site.

5.1.1 P-39-005337

P-39-005337, also known as the Tesla-Salsado-Manteca 115 kV Transmission Line, was recorded in 2017 by Matt Walker of Cardno Inc. as part of an evaluation for a tower replacement project (Walker 2017). The resource runs north-south along Airport Way directly adjacent to the eastern edge of the current project site. Walker found the transmission line ineligible for listing in the NRHP and CRHR due to a lack of significance.

5.2 Known Cultural Resources Studies

The CHRIS records search and background research identified 29 cultural resources studies within 1-mile of the project site (Appendix A). Of these studies, two included a portion of the project site. Approximately 10 percent of the project site has been previously studied and surveyed within the last 20 years. Known studies that occurred within or adjacent to the project site are discussed in further detail below.

5.2.1 Study SJ-01900

Study SJ-01900, also known as *A Preliminary Cultural Resources Investigation of the South Manteca Area Plan, 7,800 acres in San Joaquin County, California*, was prepared by Kyle Napton of California State University, Stanislaus Institute for Archaeological Research in 1993 as an overview and preliminary assessment of the cultural resources sensitivity in the proposed South Manteca Area Plan Project (Napton 1993). The study stated the east side of the subject project site adjacent to Airport Road was sensitive for cultural resources, but it did not explicitly state what cultural resources could be in the project site. The cultural resources identified by the study are not located on the current project site; however, the closest resources are the Rustic School, addressed as 21011 South Airport Way, approximately 0.80-miles south of the project site and a historic-age farmhouse, 20319 South Union Road, approximately 1-mile southeast of the project site.

5.2.2 Study SJ-4786

Prepared by Ric Windmiller in 2002, Study SJ-4786 titled *City of Manteca General Plan Update Background Reports: Archaeological Resources, Historical Resources, Records Search Results* provided a general context of the significance of the cultural resources in the City of Manteca (Windmiller 2002). The study did not identify any cultural resources within the subject project site.

Study SJ-4786 also documented the Rustic School and historic-age farmhouse as the closest cultural resources to the current project site.

5.3 Aerial Imagery and Historical Topographic Maps Review

Rincon completed a review of historical topographic maps and aerial imagery to ascertain the development history of the project site. Historical topographic maps from 1915 to 1965 depict the area as rural and agricultural with a single building shown in the project site (NETRonline 2022). A 1968 aerial depicts the project area in an agricultural setting and several buildings are depicted along Airport Way, formally known as Ferry Road. The buildings were most likely farming and livestock related. The buildings are depicted on aerials and topographic maps until the 1980s when a 1982 aerial of the surrounding area and the 1987 *Stockton, CA* topographic map showed the project site depicted as vacant, with State Route 120 shown as adjacent to the property (NETRonline 2022). The surrounding area remained largely rural until circa 2005 when large single-family developments were constructed to the south, north, and east of the project site (NETRonline, 2022). By 2009, a commercial center and the Big League Dreams baseball stadium complex were constructed north of SR 120 (NETRonline, 2022). The area has remained mostly unchanged since 2009 except for the construction of residential communities south of the project site (NETRonline, 2022).

5.4 Sacred Land File Search

On January 20, 2022, the NAHC responded to Rincon's contacts request and SLF request, stating that the results of the SLF search were negative. See Appendix B for the NAHC response, including Tribal contacts list(s).

5.5 Survey Results

Rincon Archaeologist Laura Maldonado conducted a pedestrian survey of the project site on January 13, 2022. The site was predominantly flat and was accessed via the turnout on South Airport Way. Ground visibility was good (61% to 75%) with approximately 70% total ground exposure. Vegetation is concentrated at the center of the project location with dry annual grasses. The soil consists of a fine brown sandy loam that had been previously disturbed by agricultural activities. Modern refuse was observed throughout. There was no evidence of the agricultural structures identified by the historical map review along Airport Way. Seven concrete features (Squares 1-7) and two concrete pipes (Pipes 1 and 2) of unknown age were observed parallel to the fence line at the northern boundary line of the site. The features appear to be in situ based on the depth of the features and may be related to irrigation activities. According to the *FHWA Section 106 Programmatic Agreement*, cultural resources with no potential for historical significance that would be negatively affected by the project are exempted from further evaluation or consideration (Federal Highway Administration 2022). Following these standards, the seven concrete features fall under Property Type 1, Minor, ubiquitous, or fragmentary infrastructure elements (Federal Highway Administration 2022). Rincon completed additional historical map research and a study of aerial photographs and the results did not identify any association that would confer significance. Therefore, it is Rincon's professional opinion that these features are not eligible for listing and are not significant resources based on the minor, ubiquitous, and fragmentary nature of infrastructure elements.

The northwestern portion of the site is developed and consists of eight buildings, addressed as 2303 W. Atherton Drive, that serve as a home showcase, constructed in October 2006. This northwestern portion is separated from the southeastern portion of the site by a plastic and chain link fence.

No archaeological resources were identified during the field survey. Photographs of the project site are provided in Appendix C.

6 Impacts Analysis and Conclusions

The impact analysis included here is organized based on the cultural resources thresholds included in CEQA Guidelines Appendix G: Environmental Checklist Form:

- a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?
- b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?
- c) Would the project disturb any human remains, including those interred outside of dedicated cemeteries?

Threshold A broadly refers to historical resources. To more clearly differentiate between archaeological and built environment resources, we have chosen to limit analysis under Threshold A to built environment resources. Archaeological resources, including those that may be considered historical resources pursuant to Section 15064.5 and those that may be considered unique archaeological resources pursuant to Section 21083.2, are considered under Threshold B.

6.1 Historical Built Environment Resources

The field survey and background research did not identify any built environment resources that may be considered historical resources within the project site. The project therefore does not have the potential to impact built environment historical resources and Rincon recommends a finding of ***no impact to historical resources*** pursuant to CEQA.

6.2 Historical and Unique Archaeological Resources

This assessment did not identify any archaeological resources or archaeological deposits in the project site. The lack of surface evidence of archaeological materials does not preclude their subsurface existence. However, the absence of substantial prehistoric or historic-period archaeological remains within the immediate vicinity, along with the existing level of disturbance in the project site, suggest there is a low potential for encountering intact subsurface archaeological deposits. Rincon presents the following recommended mitigation measure for unanticipated discoveries during construction. With adherence to this measure, Rincon recommends a finding of ***less-than-significant impact with mitigation for archaeological resources*** under CEQA.

6.2.1 Recommended Mitigation

Unanticipated Discovery of Cultural Resources

In the unlikely event that archaeological resources are unexpectedly encountered during ground-disturbing activities, work in the immediate area should be halted and an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archeology (National Park Service 1983) should be contacted immediately to evaluate the find. If the find is prehistoric, then a Native American representative should also be contacted to participate in the evaluation of the find. If necessary, the evaluation may require preparation of a treatment plan and archaeological testing

for CRHR eligibility. If the discovery proves to be eligible for the CRHR and cannot be avoided by the modified project, additional work, such as data recovery excavation, may be warranted to mitigate any significant impacts to historical resources.

6.3 Human Remains

No human remains are known to be present within the project site. However, the discovery of human remains is always a possibility during ground disturbing activities. If human remains are found, the State of California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. In the event of an unanticipated discovery of human remains, the County Coroner must be notified immediately. If the human remains are determined to be of Native American origin, the Coroner will notify the Native American Heritage Commission, which will determine and notify the MLD. The MLD has 48 hours from being granted site access to make recommendations for the disposition of the remains. If the MLD does not make recommendations within 48 hours, the landowner shall reinter the remains in an area of the property secure from subsequent disturbance. With adherence to existing regulations, Rincon recommends a finding of ***less-than-significant impact to human remains*** under CEQA.

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Appendix A

California Historical Resources Information System Record Results

Table 1 Previous Cultural Resources Studies within 1-Mile of the Project Area

Report Number	Author	Year	Title	Relationship to Project Area
SJ-00729	Chavez, D.	1981	Cultural Resource Evaluation for the Manteca Wastewater Project, San Joaquin County, California.	Outside
SJ-01900	Napton, L. K.	1993	A Preliminary Cultural Resources Investigation of the South Manteca Area Plan, 7,800 acres in San Joaquin County, California.	Within
SJ-04090	Peak & Associates, Inc.	1999	Cultural Resource Assessment of the Wastewater Quality Control Facility, City of Manteca, San Joaquin County, California	Outside
SJ-04091	Peak & Associates, Inc.	2000	Cultural Resource Assessment of the Wastewater Quality Control Facility, City of Manteca, San Joaquin County, California	Outside
SJ-04786	Windmiller, Ric and Donald Napoli	2002	City of Manteca--General Plan Update, Background Reports: Archaeological Resources, Historical Resources, Records Search Results.	Within
SJ-04896	Windmiller, Ric and Donald Napoli	2003	Airport Way-Yosemite Avenue Specific Plan, Background Reports: Archaeological Resources, Historical Resources, Records Search Results.	Outside
SJ-04896A	Napoli, D.	2003	Airport Way-Yosemite Avenue Specific Plan; Background Report on Historical Resources	Outside
SJ-04896B	Windmiller, R.	2003	Airport Way-Yosemite Avenue Specific Plan; Appendix: Records Search Results Archaeological and Historic Resources	Outside
SJ-04901	Windmiller, R. and D. Napoli	2003	Southwest Manteca Area Specific Plan, Background Reports: Archaeological Resources, Historical Resources, Records Search Results.	Outside
SJ-05309	Baloian, M., R. Baloian, and W. Nettles	2004	Cultural Resources Investigations for the South San Joaquin Irrigation District in San Joaquin County, California.	Outside
SJ-06322	Jensen, S.	2006	Archaeological Inventory Survey, Manteca Annexation Project, c. 60 acres Adjacent to Union Road and S.R. 120, San Joaquin County, California.	Outside
SJ-06506	ECORP Consulting, Inc.	2006	Cultural Resources Survey Report South Lathrop, North Village, San Joaquin County, California Project 2006-011	Outside
SJ-06625	ASI Archaeology and Cultural Resource Management	1998	Cultural Resources Survey, South County Surface Water Project, San Joaquin County, California, South San Joaquin Irrigation District	Outside
SJ-06925	Dougherty, J.	2008	Cultural Resources Constraints Study for the Replacement of 6 Poles on the Tesla-Saludo-Manteca High Voltage Transmission Line. Stanislaus and San Joaquin Counties, California.	Outside

Report Number	Author	Year	Title	Relationship to Project Area
SJ-07063	Jensen, S. M.	2009	Archaeological Inventory Survey Gateway Business Park Project San Joaquin, County, CA	Outside
SJ-07444	Jensen, S. and S. Jensen	2010	Archaeological Inventory Survey Gateway Business Park Project, c. 384 acres & 1.5-mile off site Storm Drain Pipeline, City of Lathrop, San Joaquin County, CA	Outside
SJ-07465	Shephard, A.	2011	Cultural Resources Inventory and Evaluation Report for the Phase 3 Reclamation District 17 100-Year Levee Seepage Area Project	Outside
SJ-07581	Sikes, N. E. and C. J. Arrington	2012	An Archaeological Survey for the Department of Water Resources' Geotechnical Levee Investigation of Walthal Slough Dry Land Levee, San Joaquin County, California	Outside
SJ-07760	Martorana, D.	2012	Letter Report: Verizon Cellular Communications Tower Site, West Manteca, 1009 S. Airport Way (APN: 241-310-48), Manteca, San Joaquin County, CA 95337.	Outside
SJ-07769	Jones & Stokes	2007	Draft: Cultural Resources Inventory and Evaluation Report for the Machado Development Project, San Joaquin County, California. [Appendix B with Site Records not attached]	Outside
SJ-07770	Holman, M. P.	2013	Letter Report: Cultural Resources Study of the Machado Property, 20329 South Airport Parkway, Manteca, San Joaquin County, California, APN 241-320-18.	Outside
SJ-07884	Jordan, N.	2014	Historic Property Survey Report for the SR-120/McKinley Avenue Interchange Project, City of Manteca, San Joaquin County, California, 10-SJ-120, P.M. 2.2, EA 10-OH890	Outside
SJ-07886	Kaptain, N.	2013	Archaeological Survey Report for the SR-120/McKinley Avenue Interchange Project, City of Manteca, San Joaquin County, California, 10-SJ_120, P.M. 2.2, EA 10-OH890	Outside
SJ-07887	Meyer, J., and N. Jordan	2014	Extended Phase I Report, SR-120/McKinley Avenue Interchange Project, San Joaquin County, California, Caltrans District 10 EA #10-OH890	Outside
SJ-07888	Hibma, M.	2013	Historical Resources Evaluation Report for the State Route 120/McKinley Avenue Interchange Project, City of Manteca, San Joaquin County, California, `10-SJ-120, P.M. 2.2, EA 10-OH890, Caltrans District 10, Federal Project No. CML (5089(016)	Outside
SJ-08023	Barrow, E., and J. M. Loyd	2010	A Cultural Resources Survey for the Terra Ranch Subdivision Project, Manteca, San Joaquin County, California.	Outside
SJ-08362	Peak, M., Gerry, R., and Lawson, M.	2014	Cultural Resource Assessment for the Manteca Family Entertainment Zone, City of Manteca, San Joaquin County, California.	Outside
SJ-08889	Peak & Associates, Inc.	2018	Determination of Eligibility and Effect for the Proposed Oakwood Trails Subdivision, City of Manteca, San Joaquin County, California	Outside

Report Number	Author	Year	Title	Relationship to Project Area
SJ-08979	Roper, C. K.	2017	A Cultural Resources Assessment for the Proposed Nile Garden School Water Supply Project, 5700 E. Nile Road, Manteca, San Joaquin County, California	Outside
SJ-09247	Falke, M. and K. Vallaire	2017	Supplemental Archaeological Survey Report, State Route 120 at Union Road Interchange Project, Manteca, San Joaquin County, California; 10-SJ-120, P.M. 3.4/5.2, EA 10-0P200, ID 10-0000-0182	Outside
SJ-09252	Vallaire, K., Sanchez, R., LSA and Falke, M.	2018	Cultural Resources Study, Airport Way Widening Project, Manteca, San Joaquin County, California	Outside

Source: Central Information Center, 2022

Table 2 Known Cultural Resources

Primary Number	Trinomial	Resource Type	Description	Recorder(s) and Year(s)	Eligibility Status	Relationship to Project Site
P-39-004612	-	Historic - Building	HP02	2006 (M. Guerrero, ECORP Consulting, Inc.)	Unevaluated	Outside
P-39-005046	-	Historic Building	HP15 Rustic School	1991 (San Joaquin County Superintendent of Schools, Public Schools of San Joaquin County 1852-1990 (1991))	Unevaluated	Outside
P-39-005086	-	Historic Structure	HP11 Walthal Slough Dry Land and Levee	2008 (Brian Ludwig, AECOM); 2012 (Cindy Arrington, Parus Consulting, Inc)	Recommended Ineligible 2008	Outside

P-39-005090	-	Historic Building	HP15 Elliott (Brock) School	1991 (San Joaquin County Superintendent of Schools, Public Schools of San Joaquin County 1852-1990 (1991))	Unevaluated	Outside
P-39-005156	CA-SJO-000341H	Historic Site	AH02; AH04; AH11 19119 McKinley Avenue	2013 (N. Kaptain and M. Hibma, LSA Associates, Inc.); 2013 (N. Kaptain, LSA Associates, Inc.)	6Y	Outside
P-39-005157	-	Historic Building	HP02; HP04; HP33 18871 McKinley Avenue	2012 (Hibma, LSA Associates, Inc.)	6Y	Outside
P-39-005158	-	Historic Structure	HP11 Schulte-Kasson line	2013 (Hibma, LSA Associates, Inc.); 2018 (Vaillare, LSA Associates, Inc.)	6Z	Outside
P-39-005159	-	Historic Building	HP02; HP04 19020 McKinley Avenue	2012 (Hibma, LSA Associates, Inc.)	6Y	Outside
P-39-005160	-	Historic Building, Structure	HP04; HP22 9160 McKinley Ave.	2012 (M. Hibma, LSA Associates, Inc.)	6Y	Outside
P-39-005161	-	Historic Building	HP02; HP04 19365 McKinley Ave., Duvan Kennel	2012 (M. Hibma, LSA Associates, Inc.)	6Y	Outside
P-39-005162	-	Historic Building	HP02; HP04 19465 McKinley Ave.	2012 (M. Hibma, LSA Associates, Inc.)	6Y	Outside

P-39-005163	-	Historic Building	HP02; HP04; HP11 9589 McKinley Ave.	2012 (M. Hibma, LSA Associates, Inc.)	6Y	Outside
P-39-005164	-	Historic Building	HP02; HP04 2693 Bronzan Rd.	2012 (M. Hibma, LSA Associates, Inc.)	6Y	Outside
P-39-005165	-	Historic Building	HP02 2785 Bronzan Rd.	2012 (M. Hibma, LSA Associates, Inc.)	6Y	Outside
P-39-005337	-	Historic Structure	HP11 Tesla-Salado-Manteca 115 kV Transmission Line	2017 (M. Walker, Cardno, Inc., for PG&E)	Recommended Ineligible 2017	Outside
P-39-005415	-	Historic Building	HP02 625 S. Airport Way	2018 (Vallaire, K., LSA)	6Z	Outside
P-39-005416	-	Historic Building	HP02 626 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005417	-	Historic Building	HP02 721 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005418	-	Historic Not Identified	HP02 739 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005419	-	Historic Building	HP02 892 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005420	-	Historic Building	HP02 926 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005421	-	Historic Building	HP02 950 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005422	-	Historic Building	HP02 1083 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005423	-	Historic Site	AH02 2110 W. Yosemite Ave.	2018 (Falke, LSA)	Recommended Ineligible 2018	Outside

P-39-005424	-	Historic Building	HP02 223 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005425	-	Historic Building	HP02 251 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005426	-	Historic Building	HP02 262 & 264 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005427	-	Historic Building	HP02 273 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005428	-	Historic Building	HP03 334 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005429	-	Historic Building	HP02 358 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005430	-	Historic Building	HP02 400 & 402 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005431	-	Historic Building	HP02 422 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005432	-	Historic Building	HP03 444 & 450 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside
P-39-005433	-	Historic Building	HP02 579 S. Airport Way	2018 (Vallaire, LSA)	6Z	Outside

Source: Central Information Center, 2022

Appendix B

Native American Heritage Commission Sacred Lands File Request Results

NATIVE AMERICAN HERITAGE COMMISSION

January 20, 2022

Dustin Merrick
Rincon Consultants Inc.Via Email to: dmerrick@rinconconsultants.com

Re: KH Maverick Manteca Retail Project, San Joaquin County

Dear Mr. Merrick:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were negative. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance, we can assure that our lists contain current information.

If you have any questions or need additional information, please contact me at my email address: Cameron.Vela@nahc.ca.gov.

Sincerely,

Cameron Vela
Cultural Resources Analyst

Attachment

CHAIRPERSON
Laura Miranda
LuiseñoVICE CHAIRPERSON
Reginald Pagaling
ChumashPARLIAMENTARIAN
Russell Attebery
KarukCOMMISSIONER
William Mungary
Paiute/White Mountain
ApacheCOMMISSIONER
Isaac Bojorquez
Ohlone-CostanoanCOMMISSIONER
Sara Dutschke
MiwokCOMMISSIONER
Buffy McQuillen
Yokayo Pomo, Yuki,
NomlakiCOMMISSIONER
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**Native American Heritage Commission
Native American Contact List
San Joaquin County
1/20/2022**

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California Valley Miwok Tribe

AKA Sheep Rancheria of Me-Wuk
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California Valley Miwok Tribe

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Ione Band of Miwok Indians

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North Valley Yokuts Tribe

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Tule River Indian Tribe

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Tule River Indian Tribe

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Wilton Rancheria

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This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed KH Maverick Manteca Retail Project, San Joaquin County.

**Native American Heritage Commission
Native American Contact List
San Joaquin County
1/20/2022**

Wilton Rancheria

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Foothill Yokut
Mono

***The Confederated Villages of
Lisjan***

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Bay Miwok
Ohlone
Delta Yokut

This list is current only as of the date of this document. Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed KH Maverick Manteca Retail Project, San Joaquin County.

Appendix C

Survey Photographs of the Project Site

Photograph 1 Project Site; View West



Photograph 2 Square 1 Concrete Feature; View Northwest



Photograph 3 Concrete Pipe and Base 1; View Northeast



Photograph 4 Square 2 with hole in center; View North



APPENDIX F
ENERGY CALCULATIONS MODELING DATA

Construction Fuel

	MTCO ₂ e	Gallons of Fuel ⁴	2022 County Fuel	Percent Increase Countywide
On-Site Diesel¹				
Demolition	34	3,350		
Site Preparation/Grading	108	10,640		
Building Construction	326	32,118		
Paving	20	1,970		
Architectural Coating	11	1,084		
Total	499	49,163	98,195,375.73	0.0501%
Off-Site Diesel¹				
Demolition	0	0		
Site Preparation/Grading	0	0		
Building Construction	255	25,123		
Paving	0	0		
Architectural Coating	0	0		
Total	255	25,123	98,195,375.73	0.0256%
Off-Site Gasoline²				
Demolition	1	114		
Site Preparation/Grading	4	407		
Building Construction	199	22,588		
Paving	1	114		
Architectural Coating	11	1,249		
Total	216	24,471	287,745,040	0.0085%
Total Diesel Fuel		74,286	98,195,376	0.0757%
Total Gasoline Fuel		24,471	287,745,040	0.0085%
Total Construction Fuel	970	98,757		

Construction Phase ³	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2022	34	0	1	17	0	1	91	0	3
2023									
Total	34	0	1	17	0	1	91	0	3
Construction Phase ³	Building Construction			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2022	58	47	36	0	0	0	0	0	0
2023	268	208	163	20		1	11		11
Total	326	255	199	20	0	1	11	0	11

Notes:

¹ Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

² Fuel used for worker trips assumed to be gasoline.

³ MTCO₂e rates from CalEEMod (3.0 Construction Details).

⁴ For CO₂e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

Operational Fuel

Vehicle Type	Percent ¹	Annual VMT ²	MGP ³	Annual Fuel	Fuel Type	County Gallons ⁴	County Percent	Statewide	Statewide percent
Passenger Cars	0.5920	7,571,339	21.6	350,525	Gas	284,968,748	0.1230%	14,773,931,520	0.0024%
Light/Medium Trucks	0.15000	1,918,414	17.2	111,536	Diesel	98,291,520	0.0232%	3,625,305,260	0.0031%
Heavy Trucks/Other	0.26	3,299,671	6.1	540,930	Diesel	98,291,520	0.1123%		
Total	1.000	12,789,424		652,465		481,551,788	0.6638%		

Notes:

¹ Percent of vehicle trip distribution based on fleet mix from CalEEMod (4.4 Fleet Mix).

² Total annual operational VMT based on mitigated annual VMT from CalEEMod (4.2 Trip Summary Information).

³ Average fuel economy derived from Department of Transportation.

⁴ Total annual county fuel per EMFAC 2017 model of projected operational fuel usage.

Electricity and Natural Gas

	Mitigated Project Annual Energy	County Annual Energy ³	Percentage Increase
Electricity (kWh/yr)	4,086,621	5,736,910,204	0.0712%
Electricity (MWh/yr)	4,087	5,736,910	0.0712%
Electricity (GWh/yr)	4.087	5,737	0.0712%
Adjusted Electricity (GWh/yr)	10.502	5,737	0.1831%
Natural Gas (million therms)		184	
Natural Gas (kBTU/yr)	8,388,433	18,394,986,800	0.0456%
Natural Gas (therms)	83,884	183,949,868.00	0.0456%

Land Use	Electricity ¹ (kWh/yr)		Natural Gas ² (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
Automobile Center	16560	16560	3.69E+04	3.69E+04
Gas Station	69357	69357	70638	70638
Fast Food	274765	274765	975639	975639
Hotel	1.17E+06	1.17E+06	4.80E+06	4.80E+06
Parking	9260	9260	0	0
Shopping Center	371799	371799	378666	378666
Supermarket	2.18E+06	2.18E+06	2.12E+06	2.12E+06
Total Energy	4,086,621	4,086,621	8,388,433	8,388,433

Notes:

¹ Electricity use per CalEEMod (5.3 Energy by Land Use).

² Natural Gas use per CalEEMod (5.2 Natural Gas by Land Use).

³ County total energy values from California Energy Commission energy reports available through ecdms.energy.ca.gov.

Construction Water

Daily Soil Disturbance ¹	105	acres
Days of Soil Disturbance ²	40	days
Water Concentration ³	3,020	gallons/acre
Water Energy Intensity ⁴	3,500	kWh/MG
Total Construction Water	12.68	million gallons
Construction Water Energy	44,394	kWh
	44.3940	MWh
Percentage Increase Countywide	0.000774%	

Notes:

- ¹ Total daily acres disturbed from offroad equipment per CalEEMod (3.0 Construction Detail) and maximum SCAQMD LST values for soil-disturbing equipment.
- ² Number of days of construction with soil-disturbing equipment per CalEEMod (3.0 Construction Detail).
- ³ Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.
- ⁴ Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix D, page D-343.

Operational Water

Mitigated Indoor	12	million gallons
Indoor Energy Intensity Factor ¹	5,411	kWh/MG
Mitigated Outdoor	2	million gallons
Outdoor Energy Intensity Factor ²	3,500	kWh/MG
Operational Water Energy	75451.95	kWh
Operational Water Energy	75.45195	MWh
Operational Water Energy	0.07545195	GWh
Percentage Countywide	0.0013%	
Total water use	15	million gallons

Land Use ³	Unmitigated (MG)		Mitigated (MG)	
	Indoor	Outdoor	Indoor	Outdoor
Automobile Center	0	0	0	0
Gas Station	0	0	0	0
Fast Food	3	0	2	0
Hotel	3	0	3	0
Parking	0	0	0	0
Shopping Center	2	1	2	1
Supermarket	7	0	5	0
Total Operational Water	16	2	12	2

Notes:

- ¹ Indoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix D, page D-343. Factor includes supply, treatment, distribution, and wastewater.
- ² Outdoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix D, page D-343. Factor includes supply, treatment, and distribution.
- ³ Operational water use values per CalEEMod (7.2 Water by Land Use).

APPENDIX G
GREENHOUSE GAS MODELING DATA

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Maverik Manteca
San Joaquin County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Convenience Market with Gas Pumps	6.10	1000sqft	0.14	6,100.00	0
Fast Food Restaurant with Drive Thru	8.95	1000sqft	0.21	8,950.00	0
Supermarket	55.00	1000sqft	1.26	55,000.00	0
Automobile Care Center	2.00	1000sqft	0.05	2,000.00	0
Hotel	125.00	Room	4.17	181,500.00	0
Regional Shopping Center	32.70	1000sqft	0.75	32,700.00	0
Parking Lot	664.00	Space	5.98	265,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	51
Climate Zone	2			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Per construction timeline

Off-road Equipment - Anticipated Construction equipment

Grading -

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition -

Vehicle Trips - Per Trip Generation table

Construction Off-road Equipment Mitigation - Per SJVAPCD regulations

Water Mitigation -

Waste Mitigation - Per AB 939

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	85.00
tblConstructionPhase	NumDays	300.00	280.00
tblConstructionPhase	PhaseEndDate	2/9/2024	12/29/2023
tblConstructionPhase	PhaseEndDate	12/15/2023	11/17/2023
tblConstructionPhase	PhaseEndDate	1/12/2024	12/15/2023
tblConstructionPhase	PhaseStartDate	1/13/2024	9/4/2023
tblConstructionPhase	PhaseStartDate	12/16/2023	11/20/2023
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblVehicleTrips	ST_TR	23.72	62.55
tblVehicleTrips	ST_TR	624.20	288.74
tblVehicleTrips	ST_TR	616.12	213.49
tblVehicleTrips	ST_TR	8.19	7.20
tblVehicleTrips	ST_TR	46.12	49.02
tblVehicleTrips	ST_TR	177.62	84.45
tblVehicleTrips	SU_TR	11.88	62.55
tblVehicleTrips	SU_TR	624.20	588.74
tblVehicleTrips	SU_TR	472.58	213.49
tblVehicleTrips	SU_TR	5.95	7.20

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	SU_TR	21.10	49.02
tblVehicleTrips	SU_TR	166.47	84.45
tblVehicleTrips	WD_TR	23.72	62.55
tblVehicleTrips	WD_TR	624.20	288.74
tblVehicleTrips	WD_TR	470.95	213.49
tblVehicleTrips	WD_TR	8.36	7.20
tblVehicleTrips	WD_TR	37.75	49.02
tblVehicleTrips	WD_TR	106.78	84.45

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					
2022	0.1697	1.6129	1.3621	3.1900e-003	0.3092	0.0694	0.3786	0.1237	0.0644	0.1881	0.0000	284.4451	284.4451	0.0597	8.0700e-003	288.3447
2023	2.3437	2.3224	2.8540	7.4100e-003	0.2878	0.0926	0.3804	0.0781	0.0872	0.1653	0.0000	671.4668	671.4668	0.0768	0.0351	683.8452
Maximum	2.3437	2.3224	2.8540	7.4100e-003	0.3092	0.0926	0.3804	0.1237	0.0872	0.1881	0.0000	671.4668	671.4668	0.0768	0.0351	683.8452

Mitigated Construction

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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					
2022	0.1697	1.6129	1.3621	3.1900e-003	0.1656	0.0694	0.2349	0.0620	0.0644	0.1264	0.0000	284.4448	284.4448	0.0597	8.0700e-003	288.3445
2023	2.3437	2.3224	2.8540	7.4100e-003	0.2736	0.0926	0.3662	0.0746	0.0872	0.1618	0.0000	671.4664	671.4664	0.0768	0.0351	683.8448
Maximum	2.3437	2.3224	2.8540	7.4100e-003	0.2736	0.0926	0.3662	0.0746	0.0872	0.1618	0.0000	671.4664	671.4664	0.0768	0.0351	683.8448

	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
Percent Reduction	0.00	0.00	0.00	0.00	26.45	0.00	20.81	32.29	0.00	18.44	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	8-1-2022	10-31-2022	1.2558	1.2558
2	11-1-2022	1-31-2023	0.7551	0.7551
3	2-1-2023	4-30-2023	0.6730	0.6730
4	5-1-2023	7-31-2023	0.6893	0.6893
5	8-1-2023	9-30-2023	0.9377	0.9377
		Highest	1.2558	1.2558

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					

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area	1.3404	7.0000e-005	8.2100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0160	0.0160	4.0000e-005	0.0000	0.0170
Energy	0.0452	0.4112	0.3454	2.4700e-003		0.0313	0.0313		0.0313	0.0313	0.0000	833.4926	833.4926	0.0710	0.0158	839.9681
Mobile	4.1306	4.6806	28.5458	0.0509	4.7720	0.0454	4.8174	1.2761	0.0425	1.3186	0.0000	4,749.9324	4,749.9324	0.4090	0.3146	4,853.8978
Waste						0.0000	0.0000		0.0000	0.0000	110.0292	0.0000	110.0292	6.5025	0.0000	272.5927
Water						0.0000	0.0000		0.0000	0.0000	4.9902	8.7208	13.7110	0.5140	0.0123	30.2173
Total	5.5163	5.0918	28.8994	0.0534	4.7720	0.0767	4.8487	1.2761	0.0738	1.3499	115.0194	5,592.1617	5,707.1811	7.4966	0.3426	5,996.6930

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	1.3404	7.0000e-005	8.2100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0160	0.0160	4.0000e-005	0.0000	0.0170
Energy	0.0452	0.4112	0.3454	2.4700e-003		0.0313	0.0313		0.0313	0.0313	0.0000	833.4926	833.4926	0.0710	0.0158	839.9681
Mobile	4.1306	4.6806	28.5458	0.0509	4.7720	0.0454	4.8174	1.2761	0.0425	1.3186	0.0000	4,749.9324	4,749.9324	0.4090	0.3146	4,853.8978
Waste						0.0000	0.0000		0.0000	0.0000	55.0146	0.0000	55.0146	3.2513	0.0000	136.2964
Water						0.0000	0.0000		0.0000	0.0000	3.9922	7.0942	11.0864	0.4112	9.8200e-003	24.2926
Total	5.5163	5.0918	28.8994	0.0534	4.7720	0.0767	4.8487	1.2761	0.0738	1.3499	59.0068	5,590.5351	5,649.5419	4.1425	0.3402	5,854.4719

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.70	0.03	1.01	44.74	0.72	2.37

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	Demolition	8/1/2022	8/26/2022	5	20	
2	Site Preparation	Site Preparation	8/27/2022	9/9/2022	5	10	
3	Grading	Grading	9/10/2022	10/21/2022	5	30	
4	Building Construction	Building Construction	10/22/2022	11/17/2023	5	280	
5	Paving	Paving	11/20/2023	12/15/2023	5	20	
6	Architectural Coating	Architectural Coating	9/4/2023	12/29/2023	5	85	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 105

Acres of Paving: 5.98

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 429,375; Non-Residential Outdoor: 143,125; Striped Parking Area: 15,936

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	2	8.00	187	0.41
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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	6	15.00	0.00	10.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	222.00	90.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Worker	1.0900e-003	7.6000e-004	8.5900e-003	2.0000e-005	2.6100e-003	1.0000e-005	2.6200e-003	7.0000e-004	1.0000e-005	7.1000e-004	0.0000	2.2458	2.2458	7.0000e-005	7.0000e-005	2.2678
Total	1.0900e-003	7.6000e-004	8.5900e-003	2.0000e-005	2.6100e-003	1.0000e-005	2.6200e-003	7.0000e-004	1.0000e-005	7.1000e-004	0.0000	2.2458	2.2458	7.0000e-005	7.0000e-005	2.2678

3.5 Building 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	0.0427	0.3904	0.4091	6.7000e-004		0.0202	0.0202		0.0190	0.0190	0.0000	57.9313	57.9313	0.0139	0.0000	58.2783
Total	0.0427	0.3904	0.4091	6.7000e-004		0.0202	0.0202		0.0190	0.0190	0.0000	57.9313	57.9313	0.0139	0.0000	58.2783

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	4.7400e-003	0.1241	0.0342	4.7000e-004	0.0149	1.3600e-003	0.0162	4.3000e-003	1.3000e-003	5.6000e-003	0.0000	45.0435	45.0435	3.2000e-004	6.8300e-003	47.0857
Worker	0.0176	0.0122	0.1383	3.9000e-004	0.0442	2.3000e-004	0.0444	0.0118	2.1000e-004	0.0120	0.0000	36.1282	36.1282	1.1800e-003	1.0900e-003	36.4816

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0223	0.1363	0.1725	8.6000e-004	0.0591	1.5900e-003	0.0607	0.0161	1.5100e-003	0.0176	0.0000	81.1717	81.1717	1.5000e-003	7.9200e-003	83.5674
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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	0.0427	0.3904	0.4091	6.7000e-004		0.0202	0.0202		0.0190	0.0190	0.0000	57.9312	57.9312	0.0139	0.0000	58.2782
Total	0.0427	0.3904	0.4091	6.7000e-004		0.0202	0.0202		0.0190	0.0190	0.0000	57.9312	57.9312	0.0139	0.0000	58.2782

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	4.7400e-003	0.1241	0.0342	4.7000e-004	0.0142	1.3600e-003	0.0156	4.1400e-003	1.3000e-003	5.4500e-003	0.0000	45.0435	45.0435	3.2000e-004	6.8300e-003	47.0857
Worker	0.0176	0.0122	0.1383	3.9000e-004	0.0419	2.3000e-004	0.0422	0.0112	2.1000e-004	0.0114	0.0000	36.1282	36.1282	1.1800e-003	1.0900e-003	36.4816

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0223	0.1363	0.1725	8.6000e-004	0.0562	1.5900e-003	0.0578	0.0153	1.5100e-003	0.0169	0.0000	81.1717	81.1717	1.5000e-003	7.9200e-003	83.5674
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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	0.1809	1.6543	1.8681	3.1000e-003		0.0805	0.0805		0.0757	0.0757	0.0000	266.5755	266.5755	0.0634	0.0000	268.1608
Total	0.1809	1.6543	1.8681	3.1000e-003		0.0805	0.0805		0.0757	0.0757	0.0000	266.5755	266.5755	0.0634	0.0000	268.1608

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	0.0109	0.4579	0.1348	2.0800e-003	0.0684	2.9300e-003	0.0713	0.0198	2.8000e-003	0.0226	0.0000	199.4130	199.4130	9.8000e-004	0.0302	208.4215
Worker	0.0742	0.0491	0.5823	1.7400e-003	0.2034	1.0100e-003	0.2044	0.0541	9.3000e-004	0.0550	0.0000	161.7982	161.7982	4.8600e-003	4.5900e-003	163.2868

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0851	0.5070	0.7171	3.8200e-003	0.2718	3.9400e-003	0.2757	0.0738	3.7300e-003	0.0776	0.0000	361.2112	361.2112	5.8400e-003	0.0347	371.7083
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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	0.1809	1.6543	1.8681	3.1000e-003		0.0805	0.0805		0.0757	0.0757	0.0000	266.5751	266.5751	0.0634	0.0000	268.1605
Total	0.1809	1.6543	1.8681	3.1000e-003		0.0805	0.0805		0.0757	0.0757	0.0000	266.5751	266.5751	0.0634	0.0000	268.1605

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	0.0109	0.4579	0.1348	2.0800e-003	0.0655	2.9300e-003	0.0684	0.0191	2.8000e-003	0.0219	0.0000	199.4130	199.4130	9.8000e-004	0.0302	208.4215
Worker	0.0742	0.0491	0.5823	1.7400e-003	0.1928	1.0100e-003	0.1938	0.0515	9.3000e-004	0.0524	0.0000	161.7982	161.7982	4.8600e-003	4.5900e-003	163.2868

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	0.0851	0.5070	0.7171	3.8200e-003	0.2583	3.9400e-003	0.2622	0.0705	3.7300e-003	0.0743	0.0000	361.2112	361.2112	5.8400e-003	0.0347	371.7083
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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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	7.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0182	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888

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	4.4000e-004	2.9000e-004	3.4200e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9506	0.9506	3.0000e-005	3.0000e-005	0.9594

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	4.4000e-004	2.9000e-004	3.4200e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9506	0.9506	3.0000e-005	3.0000e-005	0.9594
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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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	7.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0182	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888

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	4.4000e-004	2.9000e-004	3.4200e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.9506	0.9506	3.0000e-005	3.0000e-005	0.9594

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	4.4000e-004	2.9000e-004	3.4200e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.9506	0.9506	3.0000e-005	3.0000e-005	0.9594
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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	2.0456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1500e-003	0.0554	0.0770	1.3000e-004		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003	0.0000	10.8513	10.8513	6.5000e-004	0.0000	10.8676
Total	2.0537	0.0554	0.0770	1.3000e-004		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003	0.0000	10.8513	10.8513	6.5000e-004	0.0000	10.8676

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	5.4300e-003	3.6000e-003	0.0427	1.3000e-004	0.0149	7.0000e-005	0.0150	3.9600e-003	7.0000e-005	4.0300e-003	0.0000	11.8513	11.8513	3.6000e-004	3.4000e-004	11.9603

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	5.4300e-003	3.6000e-003	0.0427	1.3000e-004	0.0149	7.0000e-005	0.0150	3.9600e-003	7.0000e-005	4.0300e-003	0.0000	11.8513	11.8513	3.6000e-004	3.4000e-004	11.9603
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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	2.0456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1500e-003	0.0554	0.0770	1.3000e-004		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003	0.0000	10.8513	10.8513	6.5000e-004	0.0000	10.8676
Total	2.0537	0.0554	0.0770	1.3000e-004		3.0100e-003	3.0100e-003		3.0100e-003	3.0100e-003	0.0000	10.8513	10.8513	6.5000e-004	0.0000	10.8676

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	5.4300e-003	3.6000e-003	0.0427	1.3000e-004	0.0141	7.0000e-005	0.0142	3.7700e-003	7.0000e-005	3.8400e-003	0.0000	11.8513	11.8513	3.6000e-004	3.4000e-004	11.9603

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	5.4300e-003	3.6000e-003	0.0427	1.3000e-004	0.0141	7.0000e-005	0.0142	3.7700e-003	7.0000e-005	3.8400e-003	0.0000	11.8513	11.8513	3.6000e-004	3.4000e-004	11.9603
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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	4.1306	4.6806	28.5458	0.0509	4.7720	0.0454	4.8174	1.2761	0.0425	1.3186	0.0000	4,749.9324	4,749.9324	0.4090	0.3146	4,853.8978
Unmitigated	4.1306	4.6806	28.5458	0.0509	4.7720	0.0454	4.8174	1.2761	0.0425	1.3186	0.0000	4,749.9324	4,749.9324	0.4090	0.3146	4,853.8978

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	125.10	125.10	125.10	124,623	124,623
Convenience Market with Gas Pumps	1,761.31	1,761.31	3591.31	1,085,008	1,085,008
Fast Food Restaurant with Drive Thru	1,910.74	1,910.74	1910.74	1,785,248	1,785,248
Hotel	900.00	900.00	900.00	1,709,938	1,709,938
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	1,602.95	1,602.95	1602.95	2,810,467	2,810,467
Supermarket	4,644.75	4,644.75	4644.75	5,283,141	5,283,141

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Total	10,944.85	10,944.85	12,774.85	12,798,424	12,798,424
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4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	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
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
Convenience Market with Gas	9.50	7.30	7.30	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	9.50	7.30	7.30	2.20	78.80	19.00	29	21	50
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Supermarket	9.50	7.30	7.30	6.50	74.50	19.00	34	30	36

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Convenience Market with Gas Pumps	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Fast Food Restaurant with Drive Thru	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Hotel	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Parking Lot	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Regional Shopping Center	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707
Supermarket	0.531667	0.052263	0.168651	0.155495	0.027235	0.006385	0.012362	0.016685	0.000479	0.000329	0.023608	0.001135	0.003707

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Maverik Manteca - San Joaquin County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	385.8538	385.8538	0.0624	7.5700e-003	389.6692
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	385.8538	385.8538	0.0624	7.5700e-003	389.6692
Natural Gas Mitigated	0.0452	0.4112	0.3454	2.4700e-003		0.0313	0.0313		0.0313	0.0313	0.0000	447.6388	447.6388	8.5800e-003	8.2100e-003	450.2989
Natural Gas Unmitigated	0.0452	0.4112	0.3454	2.4700e-003		0.0313	0.0313		0.0313	0.0313	0.0000	447.6388	447.6388	8.5800e-003	8.2100e-003	450.2989

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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					
Automobile Care Center	36900	2.0000e-004	1.8100e-003	1.5200e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9691	1.9691	4.0000e-005	4.0000e-005	1.9808
Convenience Market with Gas	70638	3.8000e-004	3.4600e-003	2.9100e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.7695	3.7695	7.0000e-005	7.0000e-005	3.7919
Fast Food Restaurant with Drive Thru	975639	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	52.0638	52.0638	1.0000e-003	9.5000e-004	52.3732
Hotel	4.80249e+006	0.0259	0.2354	0.1978	1.4100e-003		0.0179	0.0179		0.0179	0.0179	0.0000	256.2792	256.2792	4.9100e-003	4.7000e-003	257.8021
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
Regional Shopping Center	378666	2.0400e-003	0.0186	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	20.2071	20.2071	3.9000e-004	3.7000e-004	20.3271

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Supermarket	2.1241e+006	0.0115	0.1041	0.0875	6.2000e-004		7.9100e-003	7.9100e-003		7.9100e-003	7.9100e-003	0.0000	113.3501	113.3501	2.1700e-003	2.0800e-003	114.0237
Total		0.0452	0.4112	0.3454	2.4600e-003		0.0312	0.0312		0.0312	0.0312	0.0000	447.6388	447.6388	8.5800e-003	8.2100e-003	450.2989

Mitigated

	Natural Gas 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					
Automobile Care Center	36900	2.0000e-004	1.8100e-003	1.5200e-003	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9691	1.9691	4.0000e-005	4.0000e-005	1.9808
Convenience Market with Gas	70638	3.8000e-004	3.4600e-003	2.9100e-003	2.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	3.7695	3.7695	7.0000e-005	7.0000e-005	3.7919
Fast Food Restaurant with Drive Thru	975639	5.2600e-003	0.0478	0.0402	2.9000e-004		3.6300e-003	3.6300e-003		3.6300e-003	3.6300e-003	0.0000	52.0638	52.0638	1.0000e-003	9.5000e-004	52.3732
Hotel	4.80249e+006	0.0259	0.2354	0.1978	1.4100e-003		0.0179	0.0179		0.0179	0.0179	0.0000	256.2792	256.2792	4.9100e-003	4.7000e-003	257.8021
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
Regional Shopping Center	378666	2.0400e-003	0.0186	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	20.2071	20.2071	3.9000e-004	3.7000e-004	20.3271
Supermarket	2.1241e+006	0.0115	0.1041	0.0875	6.2000e-004		7.9100e-003	7.9100e-003		7.9100e-003	7.9100e-003	0.0000	113.3501	113.3501	2.1700e-003	2.0800e-003	114.0237
Total		0.0452	0.4112	0.3454	2.4600e-003		0.0312	0.0312		0.0312	0.0312	0.0000	447.6388	447.6388	8.5800e-003	8.2100e-003	450.2989

5.3 Energy by Land Use - Electricity

Unmitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	16560	1.5322	2.5000e-004	3.0000e-005	1.5473
Convenience Market with Gas	69357	6.4172	1.0400e-003	1.3000e-004	6.4806
Fast Food Restaurant with Drive Thru	274765	25.4223	4.1100e-003	5.0000e-004	25.6737
Hotel	1.16523e+06	107.8115	0.0174	2.1100e-003	108.8775
Parking Lot	92960	8.6010	1.3900e-003	1.7000e-004	8.6861
Regional Shopping Center	371799	34.4003	5.5700e-003	6.7000e-004	34.7404
Supermarket	2.17965e+06	201.6694	0.0326	3.9500e-003	203.6636
Total		385.8538	0.0624	7.5600e-003	389.6692

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	16560	1.5322	2.5000e-004	3.0000e-005	1.5473
Convenience Market with Gas	69357	6.4172	1.0400e-003	1.3000e-004	6.4806

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Fast Food Restaurant with Drive Thru	274765	25.4223	4.1100e-003	5.0000e-004	25.6737
Hotel	1.16523e+006	107.8115	0.0174	2.1100e-003	108.8775
Parking Lot	92960	8.6010	1.3900e-003	1.7000e-004	8.6861
Regional Shopping Center	371799	34.4003	5.5700e-003	6.7000e-004	34.7404
Supermarket	2.17965e+006	201.6694	0.0326	3.9500e-003	203.6636
Total		385.8538	0.0624	7.5600e-003	389.6692

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	1.3404	7.0000e-005	8.2100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0160	0.0160	4.0000e-005	0.0000	0.0170
Unmitigated	1.3404	7.0000e-005	8.2100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0160	0.0160	4.0000e-005	0.0000	0.0170

6.2 Area by SubCategory

Unmitigated

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	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	0.2046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1351					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6000e-004	7.0000e-005	8.2100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0160	0.0160	4.0000e-005	0.0000	0.0170
Total	1.3404	7.0000e-005	8.2100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0160	0.0160	4.0000e-005	0.0000	0.0170

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	0.2046					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1351					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6000e-004	7.0000e-005	8.2100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0160	0.0160	4.0000e-005	0.0000	0.0170
Total	1.3404	7.0000e-005	8.2100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0160	0.0160	4.0000e-005	0.0000	0.0170

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	11.0864	0.4112	9.8200e-003	24.2926
Unmitigated	13.7110	0.5140	0.0123	30.2173

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Automobile Care Center	0.188162 / 0.115325	0.1912	6.1500e-003	1.5000e-004	0.3890
Convenience Market with Gas	0.451842 / 0.276936	0.4592	0.0148	3.5000e-004	0.9341
Fast Food Restaurant with Drive-Thru	2.71663 / 0.173402	2.2781	0.0888	2.1200e-003	5.1280
Hotel	3.17085 / 0.352316	2.7075	0.1036	2.4700e-003	6.0344
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	2.42217 / 1.48456	2.4618	0.0792	1.9000e-003	5.0071
Supermarket	6.77975 / 0.209683	5.6131	0.2215	5.2800e-003	12.7247
Total		13.7110	0.5140	0.0123	30.2173

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.15053 / 0.10829	0.1582	4.9200e-003	1.2000e-004	0.3164
Convenience Market with Gas	0.361474 / 0.260043	0.3799	0.0118	2.8000e-004	0.7598
Fast Food Restaurant with Drive-Thru	2.1733 / 0.162824	1.8303	0.0710	1.6900e-003	4.1103
Hotel	2.53668 / 0.330825	2.1819	0.0829	1.9800e-003	4.8436
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.93774 / 1.394	2.0363	0.0634	1.5200e-003	4.0732

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Supermarket	5.4238 / 0.196892	4.4999	0.1772	4.2300e- 003	10.1893
Total		11.0864	0.4112	9.8200e- 003	24.2926

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	55.0146	3.2513	0.0000	136.2964
Unmitigated	110.0292	6.5025	0.0000	272.5927

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	tons	MT/yr			
Automobile Care Center	7.64	1.5509	0.0917	0.0000	3.8422
Convenience Market with Gas	18.33	3.7208	0.2199	0.0000	9.2182
Fast Food Restaurant with	103.09	20.9263	1.2367	0.0000	51.8441
Hotel	68.44	13.8927	0.8210	0.0000	34.4186
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	34.34	6.9707	0.4120	0.0000	17.2696
Supermarket	310.2	62.9678	3.7213	0.0000	156.0001
Total		110.0292	6.5025	0.0000	272.5927

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	3.82	0.7754	0.0458	0.0000	1.9211
Convenience Market with Gas	9.165	1.8604	0.1100	0.0000	4.6091
Fast Food Restaurant with	51.545	10.4632	0.6184	0.0000	25.9221
Hotel	34.22	6.9464	0.4105	0.0000	17.2093

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	17.17	3.4854	0.2060	0.0000	8.6348
Supermarket	155.1	31.4839	1.8607	0.0000	78.0000
Total		55.0146	3.2513	0.0000	136.2964

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

APPENDIX H
NOISE MEASUREMENT FIELD DATA

Noise Measurement Field Data

Project:	Maverik Manteca	Job Number:	197344008
Site No.:	1	Date:	1/26/2022
Analyst:	Sophie La Herran	Time:	11:49 AM
Location:	S. Airport Way		
Noise Sources:	Traffic on Airport Way, Trucks idling		
Comments:			
Results (dBA):			
	Leq:	Lmin:	Lmax:
Measurement 1:	67.9	52.7	83.1
			Peak:
			94.6

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	61°
Wind (mph):	< 6
Sky:	Clear
Bar. Pressure:	30.15"
Humidity:	27%

Photo:



Measurement Report

Report Summary

Meter's File Name	LxT_Data.105.s	Computer's File Name	LxTse_0006073-20220126 114920-LxT_Data.105.ldbin	
Meter	LxT SE	0006073		
Firmware	2.404			
User			Location	
Job Description				
Note				
Start Time	2022-01-26 11:49:20	Duration	0:10:03.4	
End Time	2022-01-26 11:59:23	Run Time	0:10:03.4	Pause Time 0:00:00.0

Results

Overall Metrics

LA _{eq}	67.9 dB		
LAE	95.7 dB	SEA	--- dB
EA	412.7 μPa²h		
LA _{peak}	94.6 dB	2022-01-26 11:55:02	
LAS _{max}	83.1 dB	2022-01-26 11:54:07	
LAS _{min}	52.7 dB	2022-01-26 11:51:17	
LA _{eq}	67.9 dB		
LC _{eq}	76.5 dB	LC _{eq} - LA _{eq}	8.6 dB
LAI _{eq}	69.7 dB	LAI _{eq} - LA _{eq}	1.8 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LAPeak > 135.0 dB	0	0:00:00.0
LAPeak > 137.0 dB	0	0:00:00.0
LAPeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
67.9 dB	67.9 dB	0.0 dB	
LDEN	LDay	LEve	LNight
67.9 dB	67.9 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	67.9 dB		76.5 dB		--- dB	
L _{S(max)}	83.1 dB	2022-01-26 11:54:07	--- dB		--- dB	
L _{S(min)}	52.7 dB	2022-01-26 11:51:17	--- dB		--- dB	
L _{Peak(max)}	94.6 dB	2022-01-26 11:55:02	--- dB		--- dB	

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	72.3 dB
LAS 10.0	70.4 dB
LAS 33.3	67.1 dB
LAS 50.0	65.4 dB
LAS 66.6	63.3 dB
LAS 90.0	57.3 dB

Noise Measurement Field Data

Project:	Maverik Manteca	Job Number:	197344008
Site No.:	2	Date:	1/26/2022
Analyst:	Sophie La Herran	Time:	12:04 PM
Location:	Sage Sparrow Ave		
Noise Sources:	Traffic on W. Atherton		
Comments:			
Results (dBA):			
	Leq:	Lmin:	Lmax:
Measurement 1:	63.8	51.8	76.0
			Peak:
			99.3

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	61°
Wind (mph):	< 6
Sky:	Clear
Bar. Pressure:	30.15"
Humidity:	27%

Photo:



Measurement Report

Report Summary

Meter's File Name	LxT_Data.106.s	Computer's File Name	LxTse_0006073-20220126 120412-LxT_Data.106.ldbin	
Meter	LxT SE	0006073		
Firmware	2.404			
User				Location
Job Description				
Note				
Start Time	2022-01-26 12:04:12	Duration	0:10:11.6	
End Time	2022-01-26 12:14:24	Run Time	0:10:11.6	Pause Time 0:00:00.0

Results

Overall Metrics

$L_{A_{eq}}$	63.8 dB			
LAE	91.6 dB	SEA	--- dB	
EA	162.4 μPa^2h			
$L_{A_{peak}}$	99.3 dB	2022-01-26 12:07:01		
$L_{A_{S_{max}}}$	76.0 dB	2022-01-26 12:08:11		
$L_{A_{S_{min}}}$	51.8 dB	2022-01-26 12:09:14		
$L_{A_{eq}}$	63.8 dB			
$L_{C_{eq}}$	72.4 dB	$L_{C_{eq}} - L_{A_{eq}}$	8.6 dB	
$L_{AI_{eq}}$	66.6 dB	$L_{AI_{eq}} - L_{A_{eq}}$	2.8 dB	

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LAPeak > 135.0 dB	0	0:00:00.0
LAPeak > 137.0 dB	0	0:00:00.0
LAPeak > 140.0 dB	0	0:00:00.0

Community Noise

	LDN	LDay	LNight
	63.8 dB	63.8 dB	0.0 dB

	LDEN	LDay	LEve	LNight
	63.8 dB	63.8 dB	--- dB	--- dB

Any Data	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	63.8 dB		72.4 dB		--- dB	
$L_{S_{(max)}}$	76.0 dB	2022-01-26 12:08:11	--- dB		--- dB	
$L_{S_{(min)}}$	51.8 dB	2022-01-26 12:09:14	--- dB		--- dB	
$L_{Peak(max)}$	99.3 dB	2022-01-26 12:07:01	--- dB		--- dB	

Overloads	Count	Duration	OBA Count	OBA Duration
	0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	69.7 dB
LAS 10.0	68.0 dB
LAS 33.3	62.4 dB
LAS 50.0	59.3 dB
LAS 66.6	57.0 dB
LAS 90.0	54.7 dB

Noise Measurement Field Data			
Project:	Maverik Manteca	Job Number:	197344008
Site No.:	3	Date:	1/26/2022
Analyst:	Sophie La Herran	Time:	12:21 PM
Location:	Langum Way		
Noise Sources:	Cars passing by		
Comments:			
Results (dBA):			
	Leq:	Lmin:	Lmax:
Measurement 1:	48.8	43.4	64.5
			Peak:
			83.3

Equipment		Weather	
Sound Level Meter:	LD SoundExpert LxT	Temp. (degrees F):	61°
Calibrator:	CAL200	Wind (mph):	< 6
Response Time:	Slow	Sky:	Clear
Weighting:	A	Bar. Pressure:	30.15"
Microphone Height:	5 feet	Humidity:	27%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.107.s	Computer's File Name	LxTse_0006073-20220126 122055-LxT_Data.107.ldbin	
Meter	LxT SE	0006073		
Firmware	2.404			
User				Location
Job Description				
Note				
Start Time	2022-01-26 12:20:55	Duration	0:10:00.8	
End Time	2022-01-26 12:30:56	Run Time	0:10:00.8	Pause Time 0:00:00.0

Results

Overall Metrics

LA _{eq}	48.8 dB		
LAE	76.5 dB	SEA	--- dB
EA	5.0 μPa ² h		
LA _{peak}	83.3 dB	2022-01-26 12:21:04	
LAS _{max}	64.5 dB	2022-01-26 12:27:35	
LAS _{min}	43.4 dB	2022-01-26 12:26:45	
LA _{eq}	48.8 dB		
LC _{eq}	63.3 dB	LC _{eq} - LA _{eq}	14.6 dB
LAI _{eq}	51.4 dB	LAI _{eq} - LA _{eq}	2.7 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LAPeak > 135.0 dB	0	0:00:00.0
LAPeak > 137.0 dB	0	0:00:00.0
LAPeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
48.8 dB	48.8 dB	0.0 dB	
LDEN	LDay	LEve	LNight
48.8 dB	48.8 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	48.8 dB		63.3 dB		--- dB	
L _{S(max)}	64.5 dB	2022-01-26 12:27:35	--- dB		--- dB	
L _{S(min)}	43.4 dB	2022-01-26 12:26:45	--- dB		--- dB	
L _{Peak(max)}	83.3 dB	2022-01-26 12:21:04	--- dB		--- dB	

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	0	0:00:00.0

Statistics

LAS 5.0	52.7 dB
LAS 10.0	50.2 dB
LAS 33.3	47.2 dB
LAS 50.0	46.5 dB
LAS 66.6	46.0 dB
LAS 90.0	44.7 dB

Noise Measurement Field Data

Project:	Maverik Manteca	Job Number:	197344008
Site No.:	4	Date:	1/26/2022
Analyst:	Sophie La Herran	Time:	12:36 PM
Location:	W Atherton Drive		
Noise Sources:	Traffic on I-120		
Comments:			
Results (dBA):			
	Leq:	Lmin:	Lmax:
Measurement 1:	69.9	41.9	87.0
			Peak:
			111.3

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	61°
Wind (mph):	< 6
Sky:	Clear
Bar. Pressure:	30.15"
Humidity:	27%

Photo:



Measurement Report

Report Summary

Meter's File Name	LxT_Data.108.s	Computer's File Name	LxTse_0006073-20220126 123629-LxT_Data.108.ldbin	
Meter	LxT SE	0006073		
Firmware	2.404			
User			Location	
Job Description				
Note				
Start Time	2022-01-26 12:36:29	Duration	0:10:03.7	
End Time	2022-01-26 12:46:33	Run Time	0:10:03.7	Pause Time 0:00:00.0

Results

Overall Metrics

LA _{eq}	69.6 dB		
LAE	97.4 dB	SEA	--- dB
EA	607.9 μPa ² h		
LA _{peak}	111.3 dB	2022-01-26 12:44:18	
LAS _{max}	87.0 dB	2022-01-26 12:38:56	
LAS _{min}	41.9 dB	2022-01-26 12:46:17	
LA _{eq}	69.6 dB		
LC _{eq}	83.1 dB	LC _{eq} - LA _{eq}	13.5 dB
LAI _{eq}	74.1 dB	LAI _{eq} - LA _{eq}	4.5 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	1	0:00:03.8
LAS > 115.0 dB	0	0:00:00.0
LAPeak > 135.0 dB	0	0:00:00.0
LAPeak > 137.0 dB	0	0:00:00.0
LAPeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight	
69.6 dB	69.6 dB	0.0 dB	
LDEN	LDay	LEve	LNight
69.6 dB	69.6 dB	--- dB	--- dB

Any Data

A	C	Z			
Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L _{eq}	69.6 dB	2022-01-26 12:38:56	83.1 dB	---	---
L _{S(max)}	87.0 dB	2022-01-26 12:46:17	---	---	---
L _{S(min)}	41.9 dB	2022-01-26 12:44:18	---	---	---
L _{Peak(max)}	111.3 dB		---	---	---

Overloads

Count	Duration	OBA Count	OBA Duration
1	0:00:02.2	1	0:00:02.2

Statistics

LAS 5.0	72.4 dB
LAS 10.0	70.0 dB
LAS 33.3	67.6 dB
LAS 50.0	66.4 dB
LAS 66.6	64.9 dB
LAS 90.0	58.1 dB

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 3/3/2022
 Case Description: Demo

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

Description	Impact Device	Usage(%)	Equipment			Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Concrete Saw	No	20		89.6	275	5
Excavator	No	40		80.7	275	5
Dozer	No	40		81.7	275	5

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			Noise Limit Exceedance (dBA)						
	*Lmax	Leq	Day Lmax	Evening Leq	Night Lmax	Day Leq	Evening Lmax	Night Leq	Day Lmax	Evening Leq	Night Lmax	Leq
Concrete Saw	69.8	62.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	60.9	56.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.9	57.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	69.8	64.8	N/A	N/A	N/A	N/A	N/A	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
Residence South	Residential	48.8	48.8	48.8

Description	Impact Device	Usage(%)	Equipment			Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	
Concrete Saw	No	20		89.6	300	5
Excavator	No	40		80.7	300	5
Dozer	No	40		81.7	300	5

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			Noise Limit Exceedance (dBA)						
	*Lmax	Leq	Day Lmax	Evening Leq	Night Lmax	Day Leq	Evening Lmax	Night Leq	Day Lmax	Evening Leq	Night Lmax	Leq
Concrete Saw	69	62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	60.1	56.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.1	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	69	64	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 3/3/2022
 Case Description: Site Prep

--- Receptor #1 ---

Description Land Use
 Residence West Residential

Baselines (dBA)		
Daytime	Evening	Night
69.9	69.9	69.9

Description	Impact Device	Usage(%)	Equipment			Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)			
Tractor	No	40	84		275	5	
Dozer	No	40		81.7	275	5	

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)							
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
Tractor	64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.9	57.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64.2	62.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

--- Receptor #2 ---

Description Land Use
 Residence South Residential

Baselines (dBA)		
Daytime	Evening	Night
48.8	48.8	48.8

Description	Impact Device	Usage(%)	Equipment			Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)			
Tractor	No	40	84		300	5	
Dozer	No	40		81.7	300	5	

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)							
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
Tractor	63.4	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	61.1	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	63.4	61.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 3/3/2022
 Case Description: Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

Description	Impact Device	Usage(%)	Equipment Spec		Receptor Distance (feet)	Estimated Shielding (dBA)
			Lmax (dBA)	Actual Lmax (dBA)		
Flat Bed Truck	No	40	40	74.3	275	5
Grader	No	40	40	85	275	5
Scraper	No	40	40	83.6	275	5
Tractor	No	40	40	84	275	5

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Flat Bed Truck	54.4	50.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	65.2	61.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	63.8	59.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	65.2	65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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
Residence South	Residential	48.8	48.8	48.8

Description	Impact Device	Usage(%)	Equipment Spec		Receptor Distance (feet)	Estimated Shielding (dBA)
			Lmax (dBA)	Actual Lmax (dBA)		
Flat Bed Truck	No	40	40	74.3	300	5
Grader	No	40	40	85	300	5
Scraper	No	40	40	83.6	300	5
Tractor	No	40	40	84	300	5

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	*Lmax	Leq	Day		Evening		Night		Day		Evening		Night	
			Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Flat Bed Truck	53.7	49.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	64.4	60.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	63	59	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	63.4	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	64.4	64.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 3/3/2022
 Case Description: Building Construction

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

		Equipment				
Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Man Lift	No	20		74.7	275	5
Crane	No	16		80.6	275	5
Generator	No	50		80.6	275	5
Tractor	No	40	84		275	5
Welder / Torch	No	40		74	275	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
Man Lift		54.9	47.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		60.7	52.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator		60.8	57.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		64.2	60.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch		54.2	50.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	64.2	63	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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
Residence South	Residential	48.8	48.8	48.8

		Equipment				
Description	Impact Device	Usage(%)	Spec	Actual	Receptor	Estimated
			Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Man Lift	No	20		74.7	300	5
Crane	No	16		80.6	300	5
Generator	No	50		80.6	300	5
Tractor	No	40	84		300	5
Welder / Torch	No	40		74	300	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
Man Lift		54.1	47.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane		60	52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator		60.1	57.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		63.4	59.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch		53.4	49.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	63.4	62.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 3/3/2022
 Case Description: Paving

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

		Equipment				
Description	Impact	Spec	Actual	Receptor	Estimated	
	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Paver	No	50		77.2	275	5
Roller	No	20		80	275	5

		Results												
		Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)						
Equipment		*Lmax	Leq	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night	Day	Leq
				Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Paver		57.4	54.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		60.2	53.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	60.2	56.9	N/A	N/A	N/A	N/A	N/A	N/A	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
Residence South	Residential	48.8	48.8	48.8

		Equipment				
Description	Impact	Spec	Actual	Receptor	Estimated	
	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Paver	No	50		77.2	300	5
Roller	No	20		80	300	5

		Results												
		Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)						
Equipment		*Lmax	Leq	Day	Evening	Night	Day	Evening	Night	Day	Evening	Night	Day	Leq
				Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax
Paver		56.7	53.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller		59.4	52.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	59.4	56.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 3/3/2022
 Case Description: Arch Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residence West	Residential	69.9	69.9	69.9

Description	Impact Device	Usage(%)	Equipment			Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)			
Compressor (air)	No	40		77.7	275	5	

Equipment	Calculated (dBA)	Results								Noise Limit Exceedance (dBA)				
		Noise Limits (dBA)				Noise Limit Exceedance (dBA)								
		Day		Evening		Night		Day		Evening		Night		
Compressor (air)	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
	57.9	53.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	57.9	53.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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
Residence South	Residential	48.8	48.8	48.8

Description	Impact Device	Usage(%)	Equipment			Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)			
Compressor (air)	No	40		77.7	300	5	

Equipment	Calculated (dBA)	Results								Noise Limit Exceedance (dBA)				
		Noise Limits (dBA)				Noise Limit Exceedance (dBA)								
		Day		Evening		Night		Day		Evening		Night		
Compressor (air)	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
	57.1	53.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	57.1	53.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.