HEALTH RISK ASSESSMENT

FIRST HATHAWAY LOGISTICS WAREHOUSE PROJECT

BANNING, CALIFORNIA

LSA

April 2024

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BANNING, CALIFORNIA

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LIST OF ABBREVIATIONS AND ACRONYMS

$\mu g/m^3$	millions per microgram per cubic meter
AB	Assembly Bill
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
Basin	South Coast Air Basin
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CARB Handbook	California Air Resources Board *Air Quality and Land Use Handbook: A Community Health Perspective*
CEQA	California Environmental Quality Act
DPM	diesel particulate matter
EMFAC2021	California Emissions Factor Model, Version 2021
EPA	United States Environmental Protection Agency
ft	foot/feet
HARP	Hotspots Analysis and Reporting Program, Version 2
HI	Hazard Index
HRA	health risk assessment
MEI	maximum exposed individual
MICR	maximum individual cancer risk
mph	miles per hour
OEHHA	Office of Environmental Health Hazard Assessment
PM_{10}	particulate matter less than 10 microns in size
$PM_{2.5}$	particulate matter less than 2.5 microns in size
project	First Hathaway Logistics Project
ROG	reactive organic gas
SCAQMD	South Coast Air Quality Management District
TAC	toxic air contaminant
URF	unit risk factor

1.0 INTRODUCTION

LSA has prepared a health risk assessment (HRA) for the proposed First Hathaway Logistics project in Banning, California. The proposed First Hathaway Logistics project (project) would construct a 1,407,230 square foot warehouse distribution building with truck docks, trailer parking and passenger car parking and associated improvements. Approximately 40,000 sf would be office space located in the corners of the building, with the warehouse use taking up the center.

An HRA is a process used to estimate the increased health risk levels for people living and/or working near a project that emits toxic air contaminants (TACs). An HRA combines results of studies on the health effects of various animal and human exposure to TACs with results of studies that estimate the exposure levels at different distances from the source of pollutants. The purpose of the HRA is to document the increased cancer and noncancer health risk levels from project-related emissions of TACs on existing nearby sensitive receptors.

The City of Banning recommends the preparation of an HRA in accordance with policies and procedures of the State Office of Environmental Health Hazard Assessment (OEHHA) and the South Coast Air Quality Management District (SCAQMD). This HRA evaluates risk consistent with these documents and in compliance with all applicable requirements.

1.1 BACKGROUND

This section provides a discussion of regulatory guidance from the California Air Resources Board (CARB), the OEHHA, the California Air Pollution Control Officers Association (CAPCOA), and the SCAQMD.

1.1.1 California Air Resources Board Handbook and Technical Advisory

The CARB has developed an *Air Quality and Land Use Handbook: A Community Health Perspective* (CARB Handbook; 2005) and the supplement, *Strategies to Reduce Air Pollution Exposure Near High-Volume Roadways: Technical Advisory* (CARB 2017), that are intended to serve as general reference guides for evaluating and reducing air pollution impacts associated with new projects that are part of the land use decision-making process. According to the CARB Handbook, recent air pollution studies have shown an association between both respiratory and other noncancer health effects and proximity to high-traffic roadways. Other studies have shown that diesel exhaust and other cancer-causing chemicals emitted from cars and trucks are responsible for much of the overall cancer risk from airborne toxics in California. The CARB Handbook recommends that planning agencies recognize that the configuration of warehouse and distribution centers can reduce population exposure and risk. For example, locating the main entry and exit points away from sensitive land uses helps to reduce cancer risks and other health impacts.

1.1.2 Office of Environmental Health and Hazard Assessment Guidelines

The OEHHA developed the *Air Toxics Hot Spots Program Guidance Manual* (OEHHA 2015) in conjunction with the CARB for use in implementing the Air Toxics Hot Spots Program (AB 2588). The manual describes health effect values, exposure pathway variates (e.g., breathing rates), and a

tiered approach for performing HRAs based on current science and policy assessment. The intent of the guidance manual is to incorporate children's health concerns, update risk assessment practices, and provide consistent risk assessment procedures.

1.1.3 California Air Pollution Control Officers Association

In 2009, the CAPCOA published guidance (CAPCOA 2009) on assessing the health risk impacts from and to proposed land use projects (i.e., any development project that would site new receptors or would impact existing receptors), focusing on the acute, chronic, and cancer impacts of sources affected by California Environmental Quality Act (CEQA). The document recommends procedures to identify when a project should undergo further risk evaluation, procedures for conducting an HRA, guidelines to engage the public, presentation guidelines for results from the HRA, and mitigation measures that may be appropriate for various land use projects.

1.1.4 South Coast Air Quality Management District

The SCAQMD has risk assessment guidelines, *AB 2588 and Rule 1402 Supplemental Guidelines* (SCAQMD 2018). These guidelines incorporate the OEHHA guidance and the options to be used when using the CARB's Hotspots Analysis and Reporting Program Version 2 (HARP) program for risk assessment calculations (CARB n.d.-b).

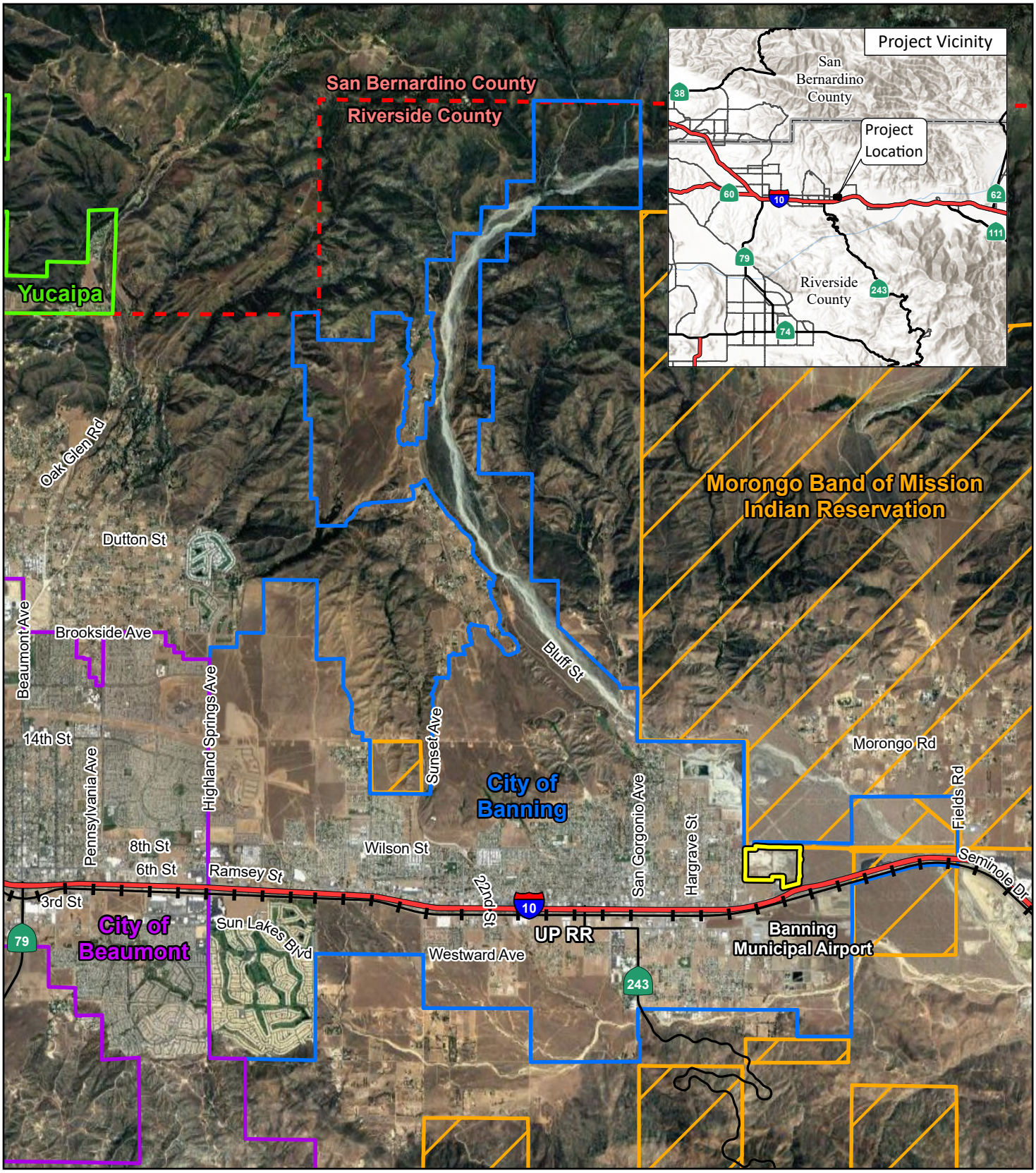
This HRA focuses on the potential health risks to residents and workers near the project site, following the CARB Handbook, CAPCOA, and SCAQMD guidance and recommendations. It examines the short-term and long-term potential health effects from emissions of TACs from project operations, primarily the exhaust from trucks traveling to and from the project site.

1.2 PROJECT LOCATION

The approximately 94.86 acres project site is located southeast of the North Hathaway Street and Morongo Road intersection in the City of Banning (City), Riverside County. The Project site is composed of six parcels (Assessor's Parcel Numbers [APNs] 532-110-001, -002, -003, -008, -009, and -010) and does not require a General Plan Amendment or a Zone Change, as the proposed warehouse development is a permitted use in the existing Business Park (BP) land use and zoning designation. Figure 1 shows the project location and vicinity. Figure 2 shows the surrounding land uses and sensitive receptors.

1.3 PROJECT DESCRIPTION

The proposed project includes the construction of a 1,407,722 sf warehouse distribution building with truck docks, trailer parking and passenger car parking and associated improvements. The main building would be accessed by five driveways, three located on the future extension of Nicolet Street, one on Hathaway Street, and one on the future extension of Wilson Street. There would be two parcels located on the south side of the future extension of Nicolet Street, one of which would be used for passenger vehicle parking with two driveways on Nicolet Street and the other which would be used for trailer parking with two driveways located on Nicolet Street. Figure 3 shows the conceptual site plan. It is expected that construction of the project would start towards the end of 2024 and be completed in approximately 18 months.



Project Location

FIGURE 1

LSA

N

0 3350 6700

FEET

SOURCE: Google Maps (2022)

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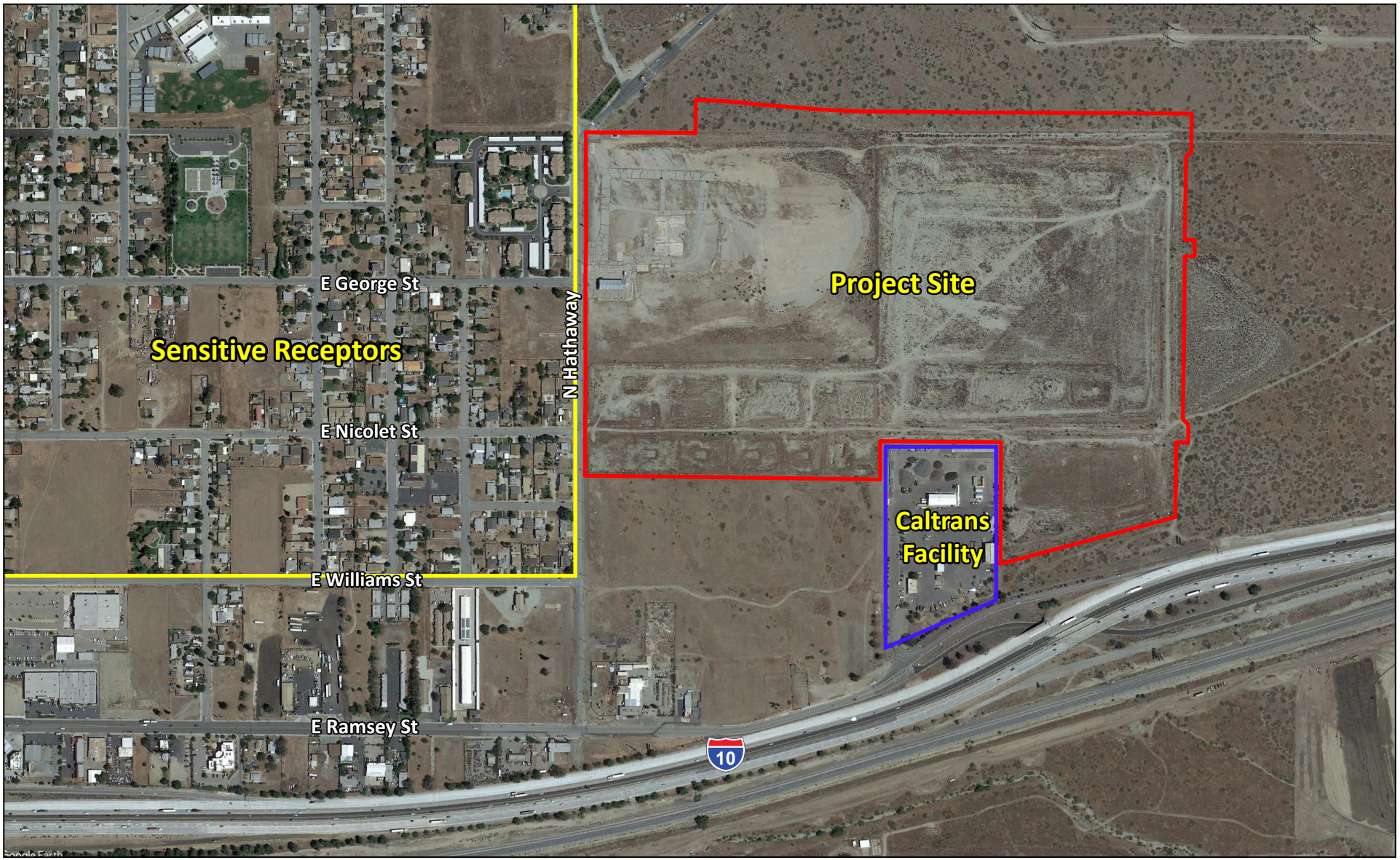
First Hathaway Logistics Project

Project Location and Vicinity



LSA

LEGEND

- Project Site
- Worker Sensitive Receptors
- Residential Sensitive Receptors

0 100 200
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SOURCE: Google Earth 2021

FIGURE 2

First Hathaway Logistics Project

Surrounding Land Uses – Sensitive Receptors

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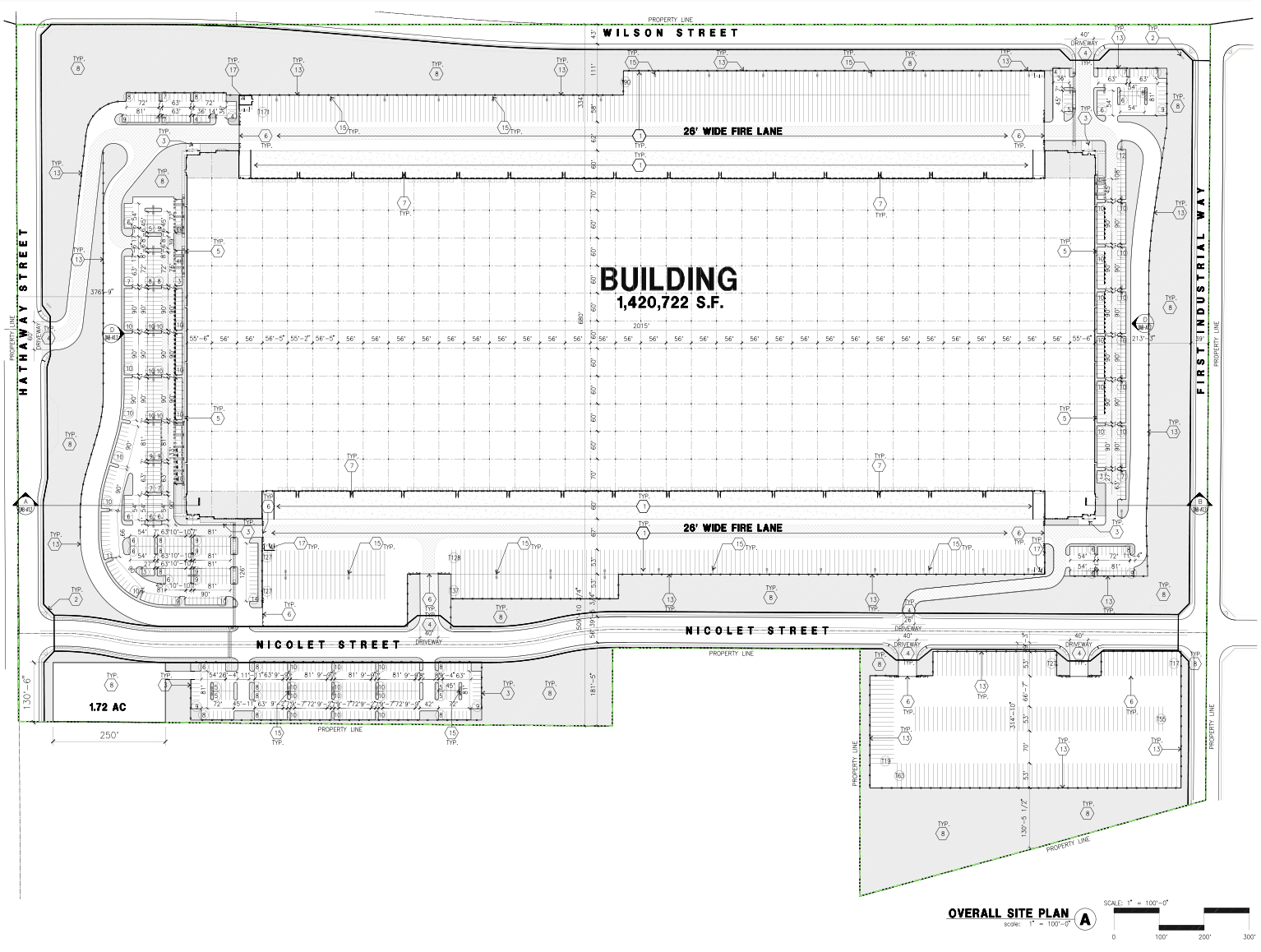

LSA

FIGURE 3

0 200 400
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SOURCE: HPA Architecture

First Hathaway Logistics Project

Conceptual Site Plan

I:\FRT2102\G\Concept_Site_Plan.ai (11/23/2022)

1.4 EXISTING SENSITIVE LAND USES IN THE PROJECT AREA

Sensitive receptors include residences, schools, hospitals, and similar uses that are sensitive to air quality. The site is bounded by Hathaway Street to the west, undeveloped land to the north, east, and south, other than a Caltrans facility along a portion of the site boundary to the south, as shown in Figure 2. The nearest sensitive receptors in proximity to the project site are single-family homes to the west of Hathaway Street as close as approximately 75 feet from the project site boundary. The nearest worker site approximately 225 feet from the project site boundary on the Caltrans facility.

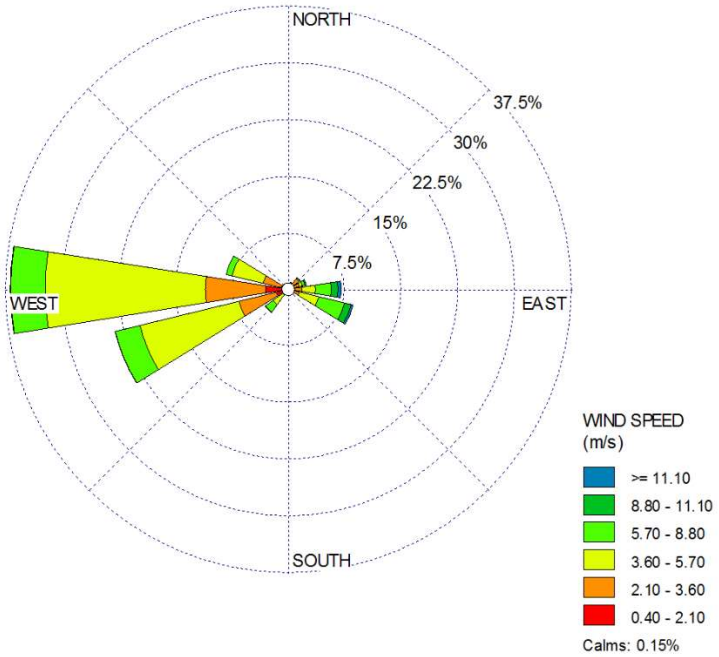
2.0 SETTING

2.1 REGIONAL AIR QUALITY

The project site is in Banning, California, which is part of the South Coast Air Basin (Basin) and is under the jurisdiction of the SCAQMD.

2.1.1 Climate/Meteorology

Air quality in the planning area is not only affected by various emission sources (e.g., mobile and industry), but also by atmospheric conditions (e.g., wind speed, wind direction, temperature, and rainfall). The nearest representative meteorological station that provides the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) ready meteorological data is the Banning Airport Meteorological Station, about 1 mile south of the project site. Figure 4, Project Area Wind Patterns, shows the windrose[1] from data measured at this station and the wind patterns for the project area.



Source: SCAQMD Meteorological Data for AERMOD for Banning Airport. Website: www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod (accessed February 2023).

Figure 4: Project Area Wind Patterns

[1] A windrose provides a succinct view of how wind speed and direction are typically distributed at a particular location. Presented in a circular format, the windrose shows the frequency of winds blowing from particular directions.

2.1.2 Toxic Air Contaminants

The public's exposure to TACs is a significant environmental health issue in the State of California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health. The Health and Safety Code defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health." A substance that is listed as a hazardous air pollutant pursuant to subsection (b) of Section 112 of the Federal Act (42 United States Code Section 7412) is a TAC. Under State law, the California Environmental Protection Agency, acting through CARB, is authorized to identify a substance as a TAC if it determines the substance is an air pollutant that may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health.

California regulates TACs primarily through Assembly Bill (AB) 1807 (Tanner Air Toxics Act), AB 2588 (Air Toxics "Hot Spot" Information and Assessment Act of 1987), and Senate Bill 25, the Children's Environmental Health Protection Act. The Tanner Air Toxics Act sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an "airborne toxics control measure" for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions.

Air toxics from stationary sources are also regulated in California under AB 2588. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the designated air quality management district or air pollution control district. High-priority facilities are required to perform an HRA and, if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

To date, the CARB has designated over 200 compounds as TACs (CARB n.d.-a). Additionally, the CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control. The majority of the estimated health risks from TACs can be attributed to relatively few compounds, the most important being particulate matter from diesel-fueled engines (diesel particulate matter [DPM]).

3.0 THRESHOLDS

3.1 HEALTH RISK ASSESSMENT THRESHOLDS OF SIGNIFICANCE

Both the State and federal governments have established health-based ambient air quality standards for seven air pollutants. For other air pollutants without defined significance standards, the definition of substantial pollutant concentrations varies. For TACs, "substantial" is taken to mean that the individual health risk exceeds a threshold considered to be a prudent risk management level.

The following limits for maximum individual cancer risk (MICR) and noncancer acute and chronic Hazard Index (HI) from project emissions of TACs are considered appropriate for use in determining the health risk for projects in the Basin:

- **MICR:** MICR is the estimated probability of a maximum exposed individual (MEI) contracting cancer as a result of exposure to TACs over a period of 30 years for adults and 9 years for children in residential locations and over a period of 25 years for workers. The MICR calculations include multipathway consideration, when applicable.

  The cumulative increase in MICR that is the sum of the calculated MICR values for all TACs would be considered significant if it would result in an increased MICR greater than 10 in 1 million (1×10^{-5}) at any receptor location.

- **Chronic HI:** Chronic HI is the ratio of the estimated long-term level of exposure to a TAC for a potential MEI to its chronic reference exposure level. The chronic HI calculations include multipathway consideration, when applicable.

  The project would be considered significant if the cumulative increase in total chronic HI for any target organ system would exceed 1.0 at any receptor location.

- **Acute HI:** Acute HI is the ratio of the estimated maximum 1-hour concentration of a TAC for a potential MEI to its acute reference exposure level.

  The project would be considered significant if the cumulative increase in total acute HI for any target organ system would exceed 1.0 at any receptor location.

The SCAQMD *CEQA Air Quality Handbook* (1993, currently under revision) states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 10 in 1 million. Based on guidance from SCAQMD in the document *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis* (2003), for the purposes of this analysis, the threshold of 10 in 1 million was used as the cancer risk threshold for the proposed project.

4.0 HEALTH RISK IMPACTS

4.1 GENERAL INFORMATION

For the purposes of an HRA, short-term emissions are of concern for analyzing acute health impacts, and long-term emissions are of concern for analyzing chronic and carcinogenic health impacts. A screening-level multipathway assessment has been conducted. This technique was chosen as recommended in the OEHHA *Air Toxic Hot Spots Program Risk Assessment Guidelines* (2015).

This HRA has been conducted using three models: the CARB's California Emissions Factor Model, Version 2021 (EMFAC2021) (CARB n.d.-d) for vehicle emissions factors and percentages of fuel type within the overall vehicle fleet; the United States Environmental Protection Agency's (EPA) AERMOD air dispersion model (EPA n.d.-a) to determine how the TACs would move through the atmosphere after release from sources both on site and along truck routes, and the CARB's HARP model to translate the pollutant concentrations from AERMOD into individual health risks at the nearby sensitive receptor locations.

This HRA includes analyzing the inhalation, dermal soil, mother's milk, and homegrown produce pathways. This technique was chosen as prescribed in SCAQMD's *AB 2588 and Rule 1402 Supplemental Guidelines* (2018).

The OEHHA has determined that long-term exposure to diesel exhaust particulates poses the highest cancer risk of any TAC it has evaluated. Exposure to diesel exhaust can also have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles (also known as DPM) made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to diesel exhaust also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks. For risk assessment procedures, the OEHHA specifies that the surrogate for whole diesel exhaust is DPM.

The conservative nature of this analysis is due primarily to the following three factors:

- The CARB-adopted diesel exhaust unit risk factor (URF) of 300 in 1 million per microgram per cubic meter is based on the upper 95th percentile of estimated risk for each of the epidemiological studies used to develop the URF. Therefore, the risk factor is already representative of the conservative risk posed by DPM.

- The risk estimates assume sensitive residential receptors will be subject to DPM for 24 hours per day, 350 days per year and worker receptors for 8 hours per day, 350 days per year. As a conservative measure, SCAQMD does not recognize indoor adjustments for residents or

workers. However, typically people spend the majority of their time indoors at home versus remaining outdoors for 24 hours per day, 350 days per year.[1]

- The exposure to DPM is assumed to be constant for the given period analyzed (i.e., 30 years for residential and 25 years for workers). However, emissions from DPM would vary from day to day and are expected to substantially decrease in the future with the implementation of standard regulatory requirements, technological advancement to reduce DPM, and the transition to electric trucks. Therefore, the health risk levels from these future trucks would be less than presented in this analysis.

Improvements over the last 40 years to diesel fuel and diesel engines have resulted in lower emissions of some of these TACs (CARB 2019). These improvements resulted in a 75 percent reduction in particle emissions from diesel-powered trucks and other equipment in 2010 and an 85 percent reduction by 2020 as compared to 2000 levels (OEHHA 2001). These improvements are anticipated to continue into the foreseeable future. Electric trucks are also on the horizon and, once in use, would eliminate the emissions of DPM.

4.1.1 Emission Sources

The first step of an HRA is to characterize the project-related emissions of TACs. According to the *First Hathaway Logistics Center Local Transportation Analysis* (Stantec, October 2022), the project would generate 1,989 total daily trips of which 313 would be trucks. The study didn't break down the trucks into sub-categories; for this HRA it was assumed that 70 percent of the trucks would be the large 4+-axle haul trucks and the rest of the trucks would be evenly split between 2-axle and 3-axle trucks.

While the TAC emissions from gasoline-powered vehicles have a small health effect compared to DPM, this HRA includes all the traffic information described and both gasoline- and diesel-powered vehicle emissions. For the diesel exhaust emissions, it is sufficient to only consider the DPM (particulate matter less than 10 microns in diameter [PM_{10}] and particulate matter less than 2.5 microns in diameter [$PM_{2.5}$]) portion of the exhaust; all the TACs for the gasoline exhaust emissions are contained in the reactive organic gas (ROG) emissions. Using speciation data from CARB (CARB n.d.-c), the emission rates of the TAC components in gasoline exhaust are derived from the total ROG emissions. The TAC components of the gasoline vehicle ROG exhaust are 1,3-butadiene, benzene, ethylbenzene, methyl ethyl ketone (MEK), naphthalene, propylene, styrene, toluene, and xylenes.

Because the actual hours of operation and schedules are unknown at this time, the vehicles associated with the project were assumed to operate 24 hours per day, 7 days per week, and 52 weeks per year. Making this assumption is conservative, resulting in higher health risk levels than would occur using fewer hours per day. The trucks would operate in two modes: stationary idling

[1] In May 1991, the CARB Research Division, in association with the University of California, Berkeley, published research findings titled *Activity Patterns of California Residents*. The findings of that study indicate that, on average, adults and adolescents in California spent almost 15 hours per day inside their homes and 6 hours in other indoor locations, for a total of 21 hours (87 percent of the day). About 2 hours per day were spent in transit, and just over 1 hour per day was spent in outdoor locations.

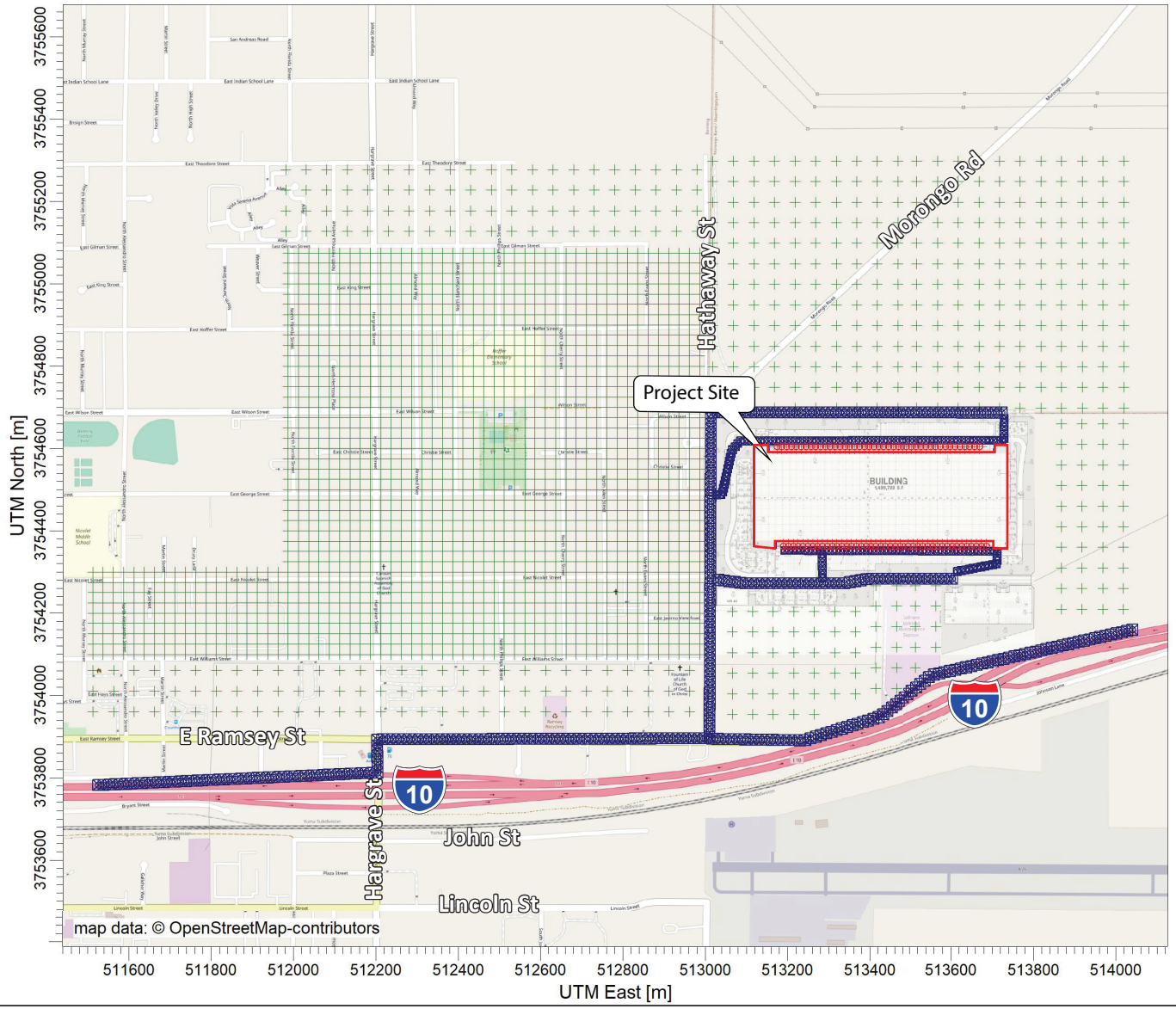
and moving on and off the site. The emissions from trucks while idling result in a much higher concentration of TACs at any nearby sensitive receptors compared to the emissions from moving trucks. This is due to the dispersion of emissions that occurs with distance and with travel of the vehicle. LSA assumed vehicles traveling on site would maneuver slowly, averaging approximately 5 miles per hour (mph), and that vehicles traveling on roadways would average 35 mph. Although the trucks will spend time at higher speeds, their emissions are greater at lower speeds, so using 5 and 35 mph results in a conservative analysis.

For the moving emissions, the truck exhaust emissions were modeled as a series of volume sources along the on-site driveways, along either Wilson Street or Nicolet Street (both built as part of this project), traveling to Hathaway Street. All trucks would then travel south on Hathaway Street and either turn east on Ramsey Street to get on Interstate 10 east or turn west on Ramsey Street to get on Interstate 10 west. These routes are shown on Figure 5, AERMOD Modeling Layout, as the dark blue squares.

The idling emissions of trucks operating on the project site were modeled as individual point sources at idling locations along the planned loading docks, shown on Figure 5 as red circles along the north and south sides of the building. While the idling times of the trucks are regulated to be no more than 5 minutes, it is possible the trucks would stop at the loading dock and one or two other areas on site during a single delivery. For the purposes of this HRA, the idling times per delivery were conservatively assumed to be 15 minutes per delivery.

EMFAC2021 was used to determine the emissions factors of idling and operating diesel trucks to determine the total emissions of PM_{10}. Although the TAC of concern from diesel trucks is DPM, EMFAC2021 does not include emissions factors for this TAC. DPM is a component of the overall exhaust from the project-related trucks. This HRA conservatively assumes the DPM emissions to be equal to the PM_{10} emissions when actually the DPM is only a portion of the overall PM_{10} in the truck exhaust. While it is expected that the truck emissions rate will continue to reduce over time, an HRA only allows for a single emission rate to represent the entire 30-year exposure period. The use of emissions factors for the earliest year the proposed project could start operations (2025) was selected for this HRA to be conservative. For instance, based on operations starting in 2025, using emissions factors for a 2029 vehicle fleet (the midpoint of the 9-year exposure period) or using emissions for a 2040 vehicle fleet (the midpoint of the 30-year exposure period) could be used; however, either of these would be less conservative due to vehicle emissions trending lower over time in the future.

The tables in Appendix A show the development of the exhaust emission rates for the trucks while operating both near the building and on the roadways. The tables show the average daily traffic for the project on each stretch of road by vehicle category. Appendix A also shows the percentage within each vehicle category that is diesel powered (from EMFAC2021), the PM_{10}, particulate matter 2.5 microns or less in size ($PM_{2.5}$), and ROG emissions factors for each vehicle category at the average vehicle speed of 5 mph near the buildings and 35 mph on roadways. Because the AERMOD dispersion model cannot use emissions in grams per mile, emissions are converted to grams per second. The same derivation is repeated for ROG emissions from gasoline-powered vehicles (the majority of TAC emissions from gasoline exhaust are contained in the ROG emissions).



LSA

LEGEND

- Project Site
- AERMOD volume sources
- Truck Idling Locations
- AERMOD receptors

0 820 1620

MILES

FIGURE 5

First Hathaway Logistics Project

AERMOD Modeling Setup

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Table A shows the development of the exhaust emission rates for the trucks while idling in the building areas. The emissions are equally divided among the point sources along the loading dock areas. These are depicted on Figure 5 as red circles within the loading dock areas, approximately where the truck engine exhaust pipe would be while positioned for unloading or loading. Table A shows emissions data using the idling emissions factors from EMFAC2021 for these trucks, combined with the total truck count and assuming 15 minutes of idling per trip.

Table A: Onsite Diesel Truck Idling Emission Rates

Facility	Hours / Day	Diesel Truck Deliveries / Day[1]	Diesel Truck Deliveries / Hour	Diesel Idle Exhaust per Vehicle (g/hr)[2]		Idle Time (min/trip)[3]	Diesel Idle Exhaust (g/hr)	
				PM_{10}	$PM_{2.5}$		PM_{10}	$PM_{2.5}$
Idling at Docks	24	130	5.4	0.0182	0.0174	15	0.0246	0.0235

Source: Compiled by LSA Associates, Inc. (2023).

[1] AADT from *First Hathaway Logistics Center Local Transportation Analysis* (Stantec, October 2022). This is the total diesel truck deliveries per day (51% of the 47 2-axle trucks, 51% of the 47 3-axle trucks, and 97% of the 219 4+-axle trucks). Note that each truck delivery comprises two trips, one to arrive and one to leave.

[2] CARB EMFAC2021 idling emissions factors for 2025 HHDT diesel trucks.

[3] This table assumes each truck idles for 15 minutes per trip to account for multiple stops (i.e., at an entry check-in, loading/ unloading, and miscellaneous on-site activities).

CARB = California Air Resources Board
EMFAC2021 = California Emissions Factor Model, Version 2021
g/hr = grams per hour
HHDT = heavy heavy-duty truck
min/trip = minutes per trip
PM_{10} = particulate matter less than 10 microns in diameter
$PM_{2.5}$ = particulate matter less than 2.5 microns in diameter

It was assumed the trucks would idle using their main engines rather than an auxiliary power unit or plugging in to shore power throughout their time at the project site. This is a very conservative assumption, as the loading docks are required to have electrical hookups and the trucks to have the ability to run their accessories from that electricity, so it is likely that the trucks would only operate on their own power when arriving or departing. It was also assumed that any refrigerated trucks would use the electrical hookups rather than operate their transport refrigeration units (TRUs).

4.1.2 Toxic Air Contaminant Air Dispersion Modeling

To assess the dispersion of emissions associated with the project, air dispersion modeling was performed using AERMOD. The model is provided by the EPA to estimate the pollutant concentrations associated with emissions sources in simple and complex terrain. The model was used to calculate the annual average and short-duration (e.g., 1-hour) TAC concentrations associated with project operations. Details of these inputs are shown in Appendix B.

In addition to the idling point sources described above, a series of volume sources were used to represent vehicle activity along nearby roadways. The volume dimensions used were based on the EPA guidance for trucks. For all the truck idling sources, the release height was set to the approximate truck exhaust stack height of 12 ft, a temperature of 200° Fahrenheit, a flow rate of 50 meters (164 ft) per second, and an exhaust pipe diameter of 4 inches. Because building wake effects (building downwash) influences can significantly increase concentrations for receptors

downwind of the building close to the emissions source, consistent with SCAQMD modeling guidance, the proposed building was included with a building height of 35 ft.

The model requires additional input parameters, including local meteorology. Due to the model's sensitivity to individual parameters (e.g., wind speed, temperature, and direction), the EPA recommends meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. As such, 5 years of meteorological data from SCAQMD's Banning Monitoring Station (the nearest available) (SCAQMD n.d.-a) was used to represent local weather conditions and prevailing winds.

Based on the sensitive receptor locations shown in Figure 2, modeling receptors points were placed in a fine rectangular grid covering the residential area to the west of the project site and a coarser grid covering the rest of the area surrounding the project site, also shown on Figure 5, to characterize the regional risk levels. Thus, there are modeling receptor points placed at all locations of interest.

4.1.3 Hot Spots Analysis and Reporting Program Modeling

CARB's HARP model is a tool that assists with the programmatic requirements of the Air Toxics "Hot Spots" Program (AB 2588). HARP was used to translate the TAC concentrations from AERMOD into long-term carcinogenic and chronic, and short-term acute health risk levels following the guidance in the SCAQMD risk assessment guidelines (2003) for sensitive receptors. These guidelines specify a minimum set of TAC pathways and HARP modeling options[1] for the carcinogenic assessment. To estimate chronic noncancer risks at residential receptors, the "OEHHA-Derived Method" risk-calculation option was used to calculate 1-hour and 8-hour chronic noncancer risk levels.

The dose-response relationship for a specific pollutant describes the association between exposure and the observed response (health effect). In other words, the relationship estimates how different levels of exposure to a pollutant change the likelihood and severity of health effects. The dose-response relationship (the response occurring with increasing doses) varies with each pollutant, individual sensitivity, and type of health effect. Combining the results of the emission characterization and dispersion modeling described above with the dose-response assessment gives an estimate of the increased health risk for an individual exposed to the maximum predicted long-term concentrations of TACs.

As described in Sections 4.1.1 and 4.1.2, the TACs included in this HRA include DPM (as PM_{10} and $PM_{2.5}$) from the diesel vehicle exhaust, and 1,3-butadiene, benzene, ethylbenzene, methyl ethyl ketone (MEK), naphthalene, propylene, styrene, toluene, and xylenes (all components of ROG) from the gasoline vehicle exhaust.

[1] The SCAQMD guidelines specify that residential cancer risks assume a 30-year exposure and must include, at a minimum, the following pathways: inhalation, homegrown produce, dermal absorption, soil ingestion, and mother's milk; a deposition rate of 0.02 meter per second for the non-inhalation pathways; the dermal pathway should assume a "warm" climate; and the "Risk Management Policy Using the Derived Method" risk calculation option should be used.

Appendix A contains the HRA emissions worksheet and EMFAC data, Appendix B contains select pages from the AERMOD output and the HARP report files for this HRA.

4.1.4 Acute Project-Related Emission Impacts

Exposure to TACs from vehicle exhaust can result in immediate health effects. According to the EPA's *Learn About Impacts of Diesel Exhaust and the Diesel Emissions Reduction Act (DERA)* website (EPA n.d.), exposure to diesel exhaust can lead to serious health conditions like asthma and respiratory illnesses and can worsen existing heart and lung disease, especially in children and the elderly. According to the CARB's Overview: Diesel Exhaust & Health website (CARB n.d.-e), in 2012, additional studies on the cancer-causing potential of diesel exhaust published since CARB's determination led the International Agency for Research on Cancer (IARC, a division of the World Health Organization) to list diesel engine exhaust as "carcinogenic to humans". Emissions from gasoline-powered vehicles contain TACs with short-term acute health effects.

The Acute Hazard Index is the ratio of the average short term (generally 1 hour) ambient concentration of an acutely toxic substance(s) divided by the acute reference exposure level set by the OEHHA. This ratio is repeated for every acutely toxic substance, and all are summed to derive the overall Acute Hazard Index. If this Acute Hazard Index is above one, then adverse health effects may occur. Using the modeling methods described above for the project, Table B shows the acute health risks from the operation of the proposed project.

Table B: Health Risk Levels for Nearby Residents and Workers

Location	Maximum Cancer Risk	Maximum Noncancer Chronic Risk (Hazard Index)	Maximum Noncancer Acute Risk (Hazard Index)
Peak Residential MEI Risk Levels	2.2 in 1 million	0.001	0.003
Peak Worker MEI Risk Levels	0.55 in 1 million	0.004	0.007
SCAQMD Significance Threshold	**10 in 1 million**	**1.0**	**1.0**
Is Either Significant?	**No**	**No**	**No**

Source: Compiled by LSA Associates, Inc. (February 2023).
MEI = Maximum Exposed Individual
SCAQMD = South Coast Air Quality Management District

The Acute HI would be 0.003 for the residential MEI and 0.007 for the worker MEI, both less than the threshold of 1.0. Acute impacts are a result of exposure to contaminant concentrations at extremely high levels. The proposed project would operate in an outdoor environment. As demonstrated by the results of the analysis, air dispersion between the emission sources and the receptor locations would substantially limit contaminant concentrations to the extent that a significant acute risk would not occur.

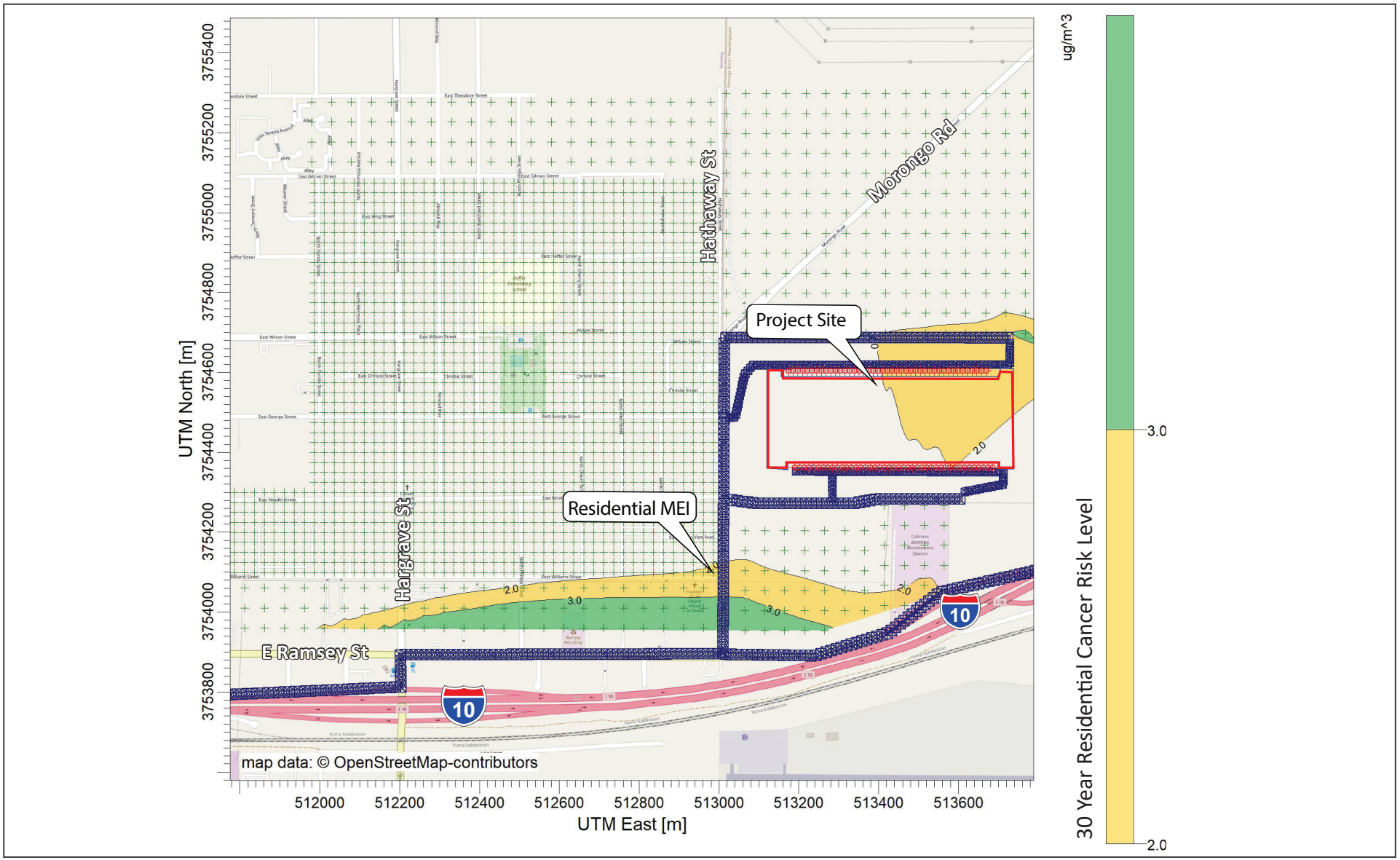
4.1.5 Carcinogenic and Chronic Project-Related Emission Impacts

Table B also shows the carcinogenic and chronic health risks from the operation of the proposed project. The residential risk incorporates both the risk for a child living in a residence for 9 years (the standard period of time for child risk) and an adult living in a residence for 30 years (considered a

conservative period of time for an individual to live in any one residence). The maximum cancer risk for the residential MEI would be 2.2 in 1 million, less than the threshold of 10 in 1 million. Figure 6, 30-Year Residential Cancer Risk Levels, shows the extent of the cancer risk levels for residents. As shown in the figure, the project related cancer health risk contours are limited to the immediate project vicinity. The residential chronic health risks from the operation of the proposed project are also shown in Table B. Results indicate the chronic health risk impact to residential receptors would be 0.001 which is well below the SCAQMD threshold of 1.0

The worker risk incorporates the risk to an adult working for 25 years (considered a conservative period of time for an individual to work in any one place). The maximum cancer risk for the worker MEI would be 0.55 in 1 million, less than the threshold of 10 in 1 million. Figure 7, 25-Year Worker Cancer Risk Levels, shows the extent of the cancer risk levels for workers. The maximum chronic health risk impact to worker receptors would be 0.004, which is also well below the SCAQMD risk threshold of 1.0

As these results show, all health risk levels to nearby residents and workers from project-related emissions of TACs from the operation of the proposed project would be below the SCAQMD's HRA thresholds. No significant health risk would occur from the operation of the project, and no mitigation is necessary. Appendix B provides the HARP modeling reports and AERMOD information.



LSA

LEGEND

- Project Site
- AERMOD volume sources
- Truck Idling Locations
- AERMOD receptors

0 820 1620

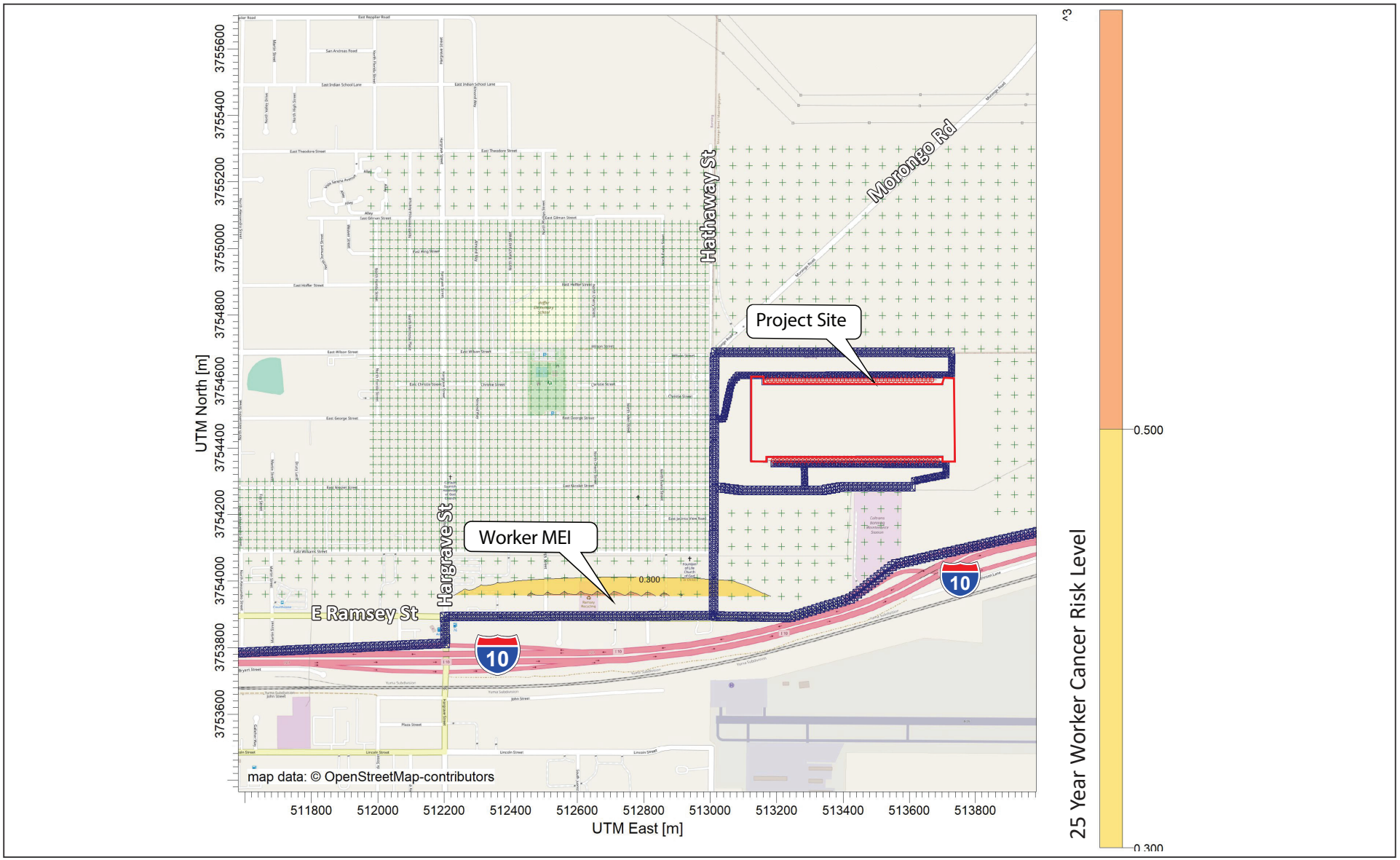
MILES

FIGURE 6

First Hathaway Logistics Project

30-Year Residential Cancer Isopleth

I:\FRT2102\G\30-Yr_Cncr_Isopleths.ai (3/15/2023)



LSA

LEGEND

- Project Site
- AERMOD volume sources
- Truck Idling Locations
- AERMOD receptors

0 820 1620
MILES

FIGURE 7

First Hathaway Logistics Project

25-Year Worker Cancer Isopleth

I:\FRT2102\G\25-Yr_CncrWrker_Isopleths.ai (3/15/2023)

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APPENDIX A

EMISSION FACTORS FOR VEHICLES AND HEALTH RISK ASSESSMENT EMISSION RATES

First Hathaway Logistics Facility

Project Trip Generation

Land Uses	Units	Rate	Daily
Warehouse	1,421 TSF		
Trip Generation (Total)		1.4	1,989
Trip Generation (Trucks)		0.22	313

From First Hathaway Logistics Center Local Transportation Analysis (Stantec, October 2022

Trip generation for the Project was determined based on Institute of Transportation Engineers (ITE) Trip Generation Manual, 11th Edition rates for Warehousing (Category 150

TSF = Thousand Square-Feet

Trip Generation (Cars)	1,676	84% of the total vehicles are cars
Trip Generation (2-Axle Trucks)	47	15% of the total trucks are 2-axle trucks
Trip Generation (3-Axle Trucks)	47	15% of the total trucks are 3-axle trucks
Trip Generation (4+ -Axle Trucks)	219	70% of the total trucks are 4+ -axle trucks
Trip Generation (Total Trucks)	313	
Trip Generation (Total)	1,989	

It was assumed that 70 percent of the trucks would be the large 4+-axle haul trucks and the rest of the trucks would be evenly spli between 2-axle and 3-axle trucks. All daily trip rates were rounded up to the nearest integer.

Truck Idling Worksheet

First Hathaway Logistics Facility

Facility	Hour per day	Deliveries per day[1]	Trips per Hour	Diesel Idle Exhaust PM_{10} (gm/vh-hr)[2]	Diesel Idle Exhaust $PM_{2.5}$ (gm/vh-hr)[2]	Idle Time (min/trip)[3]	Idle Exhaust Diesel PM_{10} (gm/hr)	Idle Exhaust Diesel $PM_{2.5}$ (gm/hr)
Main Building	24	130	5.4	0.0182	0.0174	15	0.0246	0.0235

Number of Sources	Diesel PM10 lb/hr	Diesel PM10 lb/yr	Diesel PM2.5 lb/hr	Diesel PM2.5 lb/yr
86	6.3E-07	0.0055	6.0E-07	0.0053

[1] AADT from First Hathaway Logistics Center Local Transportation Analysis (Stantec, October 2022). This is the total diesel truck deliveries per day (52% of the 47 2-axle trucks, 52% of the 47 3-axle trucks, and 97% of the 219 4+-axle trucks). Note that each truck delivery comprises two trips, one to arrive and one to leave.

[2] Source: EMFAC2021 2024 idling emission factors for HHDT diesel trucks.

[3] It is assumed that each truck idles for 15 minute per trip to account for multiple stops, i.e. at an entry check-in, loading/unloading and miscellaneous tasks.

Truck Emissions Worksheet

First Hathaway Logistics Facility

Onsite travel		AADT by Truck Category[1]							
		LDV[2]	**2-Axle[3]**	**3-Axle[3]**	**4+-Axle[4]**				
		1,676	47	47	219				
		% of Vehicles That Are Diesel-Powered[6]							
Average Speed		0.6%	51%	51%	97%				
		Diesel Exhaust PM10 & PM2.5 Emissions at 5 mph (g/mi)7							
5 mph	PM_{10}	0.0632	0.0967	9.67E-02	1.73E-02				
	$PM_{2.5}$	0.0605	0.0925	9.25E-02	1.65E-02				
		% of Vehicles That Are Gasoline-Powered[6]							
		94%	48%	48%	0.02%				
Total distance covered by Onsite travel sources		**Gasoline Exhaust ROG Emissions at 5 mph (g/mi)7**				**Number of Sources**	**Emission Rates per source**		
	ROG	0.372	4.19E-01	4.19E-01	1.36E-01		**g/s**	**lb/hr**	**lb/yr**
		PM_{10}, $PM_{2.5}$ & ROG Exhaust Emissions (g/s)							
1,627 meters	PM_{10}	6.91E-06	2.73E-05	2.73E-05	4.28E-05	164	3.5E-06	2.8E-05	0.2420
	$PM_{2.5}$	6.61E-06	2.61E-05	2.61E-05	4.10E-05	164	3.3E-06	2.6E-05	0.2315
	ROG	6.84E-03	1.10E-04	1.10E-04	5.25E-08	164	2.4E-04	1.9E-03	16.3809

[1] AADT from First Hathaway Logistics Center Local Transportation Analysis (Stantec, October 2022)

[2] LDV use the EMFAC2021 "Non-Truck" emissions factors

[3] 2 axle & 3 axle trucks use the EMFAC2021 "Truck 1" emissions factors

[4] 4+ axle trucks use the EMFAC2021 "Truck 2" emissions factors

[6] Source: EMFAC2021 VMT data

[7] Source: EMFAC2021 emission factors for 2025 (model year aggregate).

Speciated Emissions Rates

		lb/yr	lb/hr
diesel part.	--	2.42E-01	2.76E-05
PM2.5	--	2.32E-01	2.64E-05
1,3-butadiene	0.0055	9.01E-02	1.03E-05
benzene	0.02636	4.32E-01	4.93E-05
ethylbenzene	0.01072	1.76E-01	2.00E-05
MEK	0.00019	3.11E-03	3.55E-07
naphthalene	0.00048	7.86E-03	8.97E-07
propylene	0.03127998	5.12E-01	5.85E-05
styrene	0.00126	2.06E-02	2.35E-06
toluene	0.05879998	9.63E-01	1.10E-04
m & p-xylene	0.03639998	5.96E-01	6.80E-05

Truck Emissions Worksheet

First Hathaway Logistics Facility

From Project Drwy west on Wilson St. to Hathaway St.		AADT by Truck Category[1]				% of Vehicles on this route
		LDV[2]	**2-Axle[3]**	**3-Axle[4]**	**4+-Axle[5]**	
		838	23	23	109	50%
		% of Vehicles That Are Diesel-Powered[6]				
		0.6%	51%	51%	97%	
Average Speed		**Diesel Exhaust PM10 & PM2.5 Emissions at Speed mph (g/mi)[7]**				
35 mph	PM_{10}	0.0185	0.0314	3.14E-02	7.46E-03	
	$PM_{2.5}$	0.0177	0.0300	3.00E-02	7.14E-03	
		% of Vehicles That Are Gasoline-Powered[6]				
		94%	48%	48%	0.02%	
Total distance covered by these sources		**Gasoline Exhaust ROG Emissions at 35 mph (g/mi)[7]**				
	ROG	0.031	1.46E-01	1.46E-01	1.20E-02	
		PM_{10}, $PM_{2.5}$ & ROG Exhaust Emissions (g/s)				**Number of Sources**
706 meters	PM_{10}	4.38E-07	1.92E-06	1.92E-06	4.01E-06	54
	$PM_{2.5}$	4.19E-07	1.84E-06	1.84E-06	3.84E-06	54
	ROG	1.23E-04	8.28E-06	8.28E-06	1.01E-09	54

Emission Rates per source			
g/s	**lb/hr**	**lb/yr**	
1.5E-07	1.2E-06	0.0107	
1.5E-07	1.2E-06	0.0102	
2.6E-06	2.1E-05	0.1798	

[1] AADT from First Hathaway Logistics Center Local Transportation Analysis (Stantec, October 2022)

[2] LDV use the EMFAC2021 "Non-Truck" emissions factors

[3] 2 axle & 3 axle trucks use the EMFAC2021 "Truck 1" emissions factors

[4] 4+ axle trucks use the EMFAC2021 "Truck 2" emissions factors

[6] Source: EMFAC2021 VMT data

[7] Source: EMFAC2021 emission factors for 2025 (model year aggregate).

Speciated Emissions Rates

		lb/yr	lb/hr
diesel part.	--	1.07E-02	1.22E-06
PM2.5	--	1.02E-02	1.17E-06
1,3-butadiene	0.0055	9.89E-04	1.13E-07
benzene	0.02636	4.74E-03	5.41E-07
ethylbenzene	0.01072	1.93E-03	2.20E-07
MEK	0.00019	3.42E-05	3.90E-09
naphthalene	0.00048	8.63E-05	9.85E-09
propylene	0.03127998	5.62E-03	6.42E-07
styrene	0.00126	2.27E-04	2.58E-08
toluene	0.05879998	1.06E-02	1.21E-06
m & p-xylene	0.03639998	6.54E-03	7.47E-07

Truck Emissions Worksheet

First Hathaway Logistics Facility

From Project Drwy west on Nicolet St. to Hathaway St.		AADT by Truck Category[1]				% of Vehicles on this route			
		LDV[2]	**2-Axle[3]**	**3-Axle[4]**	**4+-Axle[5]**				
		838	23	23	109	50%			
		% of Vehicles That Are Diesel-Powered[6]							
		0.6%	51%	51%	97%				
Average Speed		**Diesel Exhaust PM10 & PM2.5 Emissions at Speed mph (g/mi)7**							
35 mph	PM_{10}	0.0185	0.0314	3.14E-02	7.46E-03				
	$PM_{2.5}$	0.0177	0.0300	3.00E-02	7.14E-03				
		% of Vehicles That Are Gasoline-Powered[6]							
		94%	48%	48%	0.02%				
Total distance covered by these sources		**Gasoline Exhaust ROG Emissions at 35 mph (g/mi)7**				**Number of Sources**	**Emission Rates per source**		
	ROG	0.031	1.46E-01	1.46E-01	1.20E-02		**g/s**	**lb/hr**	**lb/yr**
		PM_{10}, $PM_{2.5}$ & ROG Exhaust Emissions (g/s)							
572 meters	PM_{10}	3.55E-07	1.56E-06	1.56E-06	3.25E-06	44	1.5E-07	1.2E-06	0.0106
	$PM_{2.5}$	3.40E-07	1.49E-06	1.49E-06	3.11E-06	44	1.5E-07	1.2E-06	0.0102
	ROG	9.98E-05	6.72E-06	6.72E-06	8.17E-10	44	2.6E-06	2.0E-05	0.1790

Speciated Emissions Rates

		lb/yr	lb/hr
diesel part.	--	1.06E-02	1.21E-06
PM2.5	--	1.02E-02	1.16E-06
1,3-butadiene	0.0055	9.85E-04	1.12E-07
benzene	0.02636	4.72E-03	5.38E-07
ethylbenzene	0.01072	1.92E-03	2.19E-07
MEK	0.00019	3.40E-05	3.88E-09
naphthalene	0.00048	8.59E-05	9.80E-09
propylene	0.03127998	5.60E-03	6.39E-07
styrene	0.00126	2.26E-04	2.57E-08
toluene	0.05879998	1.05E-02	1.20E-06
m & p-xylene	0.03639998	6.52E-03	7.43E-07

[1] AADT from First Hathaway Logistics Center Local Transportation Analysis (Stantec, October 2022)

[2] LDV use the EMFAC2021 "Non-Truck" emissions factors

[3] 2 axle & 3 axle trucks use the EMFAC2021 "Truck 1" emissions factors

[4] 4+ axle trucks use the EMFAC2021 "Truck 2" emissions factors

[6] Source: EMFAC2021 VMT data

[7] Source: EMFAC2021 emission factors for 2025 (model year aggregate).

Truck Emissions Worksheet

First Hathaway Logistics Facility

From Wilson St. south on Hathaway St. to Nicolet St.		AADT by Truck Category[1]				% of Vehicles on this route			
		LDV[2]	**2-Axle[3]**	**3-Axle[4]**	**4+-Axle[5]**				
		838	23	23	109	50%			
		% of Vehicles That Are Diesel-Powered[6]							
		0.6%	51%	51%	97%				
Average Speed		**Diesel Exhaust PM10 & PM2.5 Emissions at Speed mph (g/mi)7**							
35 mph	PM_{10}	0.0185	0.0314	3.14E-02	7.46E-03				
	$PM_{2.5}$	0.0177	0.0300	3.00E-02	7.14E-03				
		% of Vehicles That Are Gasoline-Powered[6]							
		94%	48%	48%	0.02%				
Total distance covered by these sources		**Gasoline Exhaust ROG Emissions at 35 mph (g/mi)7**				**Number of Sources**	**Emission Rates per source**		
	ROG	0.031	1.46E-01	1.46E-01	1.20E-02		**g/s**	**lb/hr**	**lb/yr**
		PM_{10}, $PM_{2.5}$ & ROG Exhaust Emissions (g/s)							
173 meters	PM_{10}	1.07E-07	4.71E-07	4.71E-07	9.84E-07	14	1.5E-07	1.2E-06	0.0101
	$PM_{2.5}$	1.03E-07	4.51E-07	4.51E-07	9.42E-07	14	1.4E-07	1.1E-06	0.0097
	ROG	3.02E-05	2.03E-06	2.03E-06	2.47E-10	14	2.4E-06	1.9E-05	0.1701

Speciated Emissions Rates

		lb/yr	lb/hr
diesel part.	--	1.01E-02	1.15E-06
PM2.5	--	9.67E-03	1.10E-06
1,3-butadiene	0.0055	9.36E-04	1.07E-07
benzene	0.02636	4.48E-03	5.12E-07
ethylbenzene	0.01072	1.82E-03	2.08E-07
MEK	0.00019	3.23E-05	3.69E-09
naphthalene	0.00048	8.17E-05	9.32E-09
propylene	0.03127998	5.32E-03	6.07E-07
styrene	0.00126	2.14E-04	2.45E-08
toluene	0.05879998	1.00E-02	1.14E-06
m & p-xylene	0.03639998	6.19E-03	7.06E-07

[1] AADT from First Hathaway Logistics Center Local Transportation Analysis (Stantec, October 2022)

[2] LDV use the EMFAC2021 "Non-Truck" emissions factors

[3] 2 axle & 3 axle trucks use the EMFAC2021 "Truck 1" emissions factors

[4] 4+ axle trucks use the EMFAC2021 "Truck 2" emissions factors

[6] Source: EMFAC2021 VMT data

[7] Source: EMFAC2021 emission factors for 2025 (model year aggregate).

Truck Emissions Worksheet

First Hathaway Logistics Facility

From Nicolet south on Hathaway St. to Ramsey St.		AADT by Truck Category[1]				% of Vehicles on this route			
		LDV[2]	**2-Axle[3]**	**3-Axle[4]**	**4+-Axle[5]**				
		1,676	47	47	219	100%			
		% of Vehicles That Are Diesel-Powered[6]							
		0.6%	51%	51%	97%				
Average Speed		**Diesel Exhaust PM10 & PM2.5 Emissions at Speed mph (g/mi)7**							
35 mph	PM_{10}	0.0185	0.0314	3.14E-02	7.46E-03				
	$PM_{2.5}$	0.0177	0.0300	3.00E-02	7.14E-03				
		% of Vehicles That Are Gasoline-Powered[6]							
		94%	48%	48%	0.02%				
Total distance covered by these sources		**Gasoline Exhaust ROG Emissions at 35 mph (g/mi)7**				**Number of Sources**	**Emission Rates per source**		
	ROG	0.031	1.46E-01	1.46E-01	1.20E-02		**g/s**	**lb/hr**	**lb/yr**
		PM_{10}, $PM_{2.5}$ & ROG Exhaust Emissions (g/s)							
586 meters	PM_{10}	7.27E-07	3.19E-06	3.19E-06	6.66E-06	45	3.1E-07	2.4E-06	0.0213
	$PM_{2.5}$	6.96E-07	3.05E-06	3.05E-06	6.37E-06	45	2.9E-07	2.3E-06	0.0204
	ROG	2.04E-04	1.38E-05	1.38E-05	1.67E-09	45	5.1E-06	4.1E-05	0.3583

Speciated Emissions Rates

		lb/yr	lb/hr
diesel part.	--	2.13E-02	2.43E-06
PM2.5	--	2.04E-02	2.32E-06
1,3-butadiene	0.0055	1.97E-03	2.25E-07
benzene	0.02636	9.44E-03	1.08E-06
ethylbenzene	0.01072	3.84E-03	4.38E-07
MEK	0.00019	6.81E-05	7.77E-09
naphthalene	0.00048	1.72E-04	1.96E-08
propylene	0.03127998	1.12E-02	1.28E-06
styrene	0.00126	4.51E-04	5.15E-08
toluene	0.05879998	2.11E-02	2.40E-06
m & p-xylene	0.03639998	1.30E-02	1.49E-06

[1] AADT from First Hathaway Logistics Center Local Transportation Analysis (Stantec, October 2022)

[2] LDV use the EMFAC2021 "Non-Truck" emissions factors

[3] 2 axle & 3 axle trucks use the EMFAC2021 "Truck 1" emissions factors

[4] 4+ axle trucks use the EMFAC2021 "Truck 2" emissions factors

[6] Source: EMFAC2021 VMT data

[7] Source: EMFAC2021 emission factors for 2025 (model year aggregate).

Truck Emissions Worksheet

First Hathaway Logistics Facility

From Hathaway St. west on Ramsey St. to I-10 west		AADT by Truck Category[1]			
		LDV[2]	**2-Axle[3]**	**3-Axle[4]**	**4+-Axle[5]**
		838	23	23	109
		% of Vehicles That Are Diesel-Powered[6]			
		0.6%	51%	51%	97%
Average Speed		**Diesel Exhaust PM10 & PM2.5 Emissions at Speed mph (g/mi)7**			
35 mph	PM_{10}	0.0185	0.0314	3.14E-02	7.46E-03
	$PM_{2.5}$	0.0177	0.0300	3.00E-02	7.14E-03
		% of Vehicles That Are Gasoline-Powered[6]			
		94%	48%	48%	0.02%
Total distance covered by these sources		**Gasoline Exhaust ROG Emissions at 35 mph (g/mi)7**			
	ROG	0.031	1.46E-01	1.46E-01	1.20E-02
		PM_{10}, $PM_{2.5}$ & ROG Exhaust Emissions (g/s)			
1,556 meters	PM_{10}	9.66E-07	4.24E-06	4.24E-06	8.85E-06
	$PM_{2.5}$	9.24E-07	4.05E-06	4.05E-06	8.46E-06
	ROG	2.71E-04	1.83E-05	1.83E-05	2.22E-09

% of Vehicles on this route: 50%

Number of Sources	Emission Rates per source		
	g/s	**lb/hr**	**lb/yr**
118	1.5E-07	1.2E-06	0.0108
118	1.5E-07	1.2E-06	0.0103
118	2.6E-06	2.1E-05	0.1814

Speciated Emissions Rates

		lb/yr	lb/hr
diesel part.	--	1.08E-02	1.23E-06
PM2.5	--	1.03E-02	1.18E-06
1,3-butadiene	0.0055	9.98E-04	1.14E-07
benzene	0.02636	4.78E-03	5.46E-07
ethylbenzene	0.01072	1.94E-03	2.22E-07
MEK	0.00019	3.45E-05	3.93E-09
naphthalene	0.00048	8.71E-05	9.93E-09
propylene	0.03127998	5.68E-03	6.47E-07
styrene	0.00126	2.29E-04	2.61E-08
toluene	0.05879998	1.07E-02	1.22E-06
m & p-xylene	0.03639998	6.60E-03	7.53E-07

[1] AADT from First Hathaway Logistics Center Local Transportation Analysis (Stantec, October 2022)

[2] LDV use the EMFAC2021 "Non-Truck" emissions factors

[3] 2 axle & 3 axle trucks use the EMFAC2021 "Truck 1" emissions factors

[4] 4+ axle trucks use the EMFAC2021 "Truck 2" emissions factors

[6] Source: EMFAC2021 VMT data

[7] Source: EMFAC2021 emission factors for 2025 (model year aggregate).

First Hathaway Logistics Facility

From Hathaway St. east on Ramsey St. to I-10 east		AADT by Truck Category[1]				% of Vehicles on this route			
		LDV[2]	**2-Axle[3]**	**3-Axle[4]**	**4+-Axle[5]**				
		838	23	23	109	50%			
		% of Vehicles That Are Diesel-Powered[6]							
		0.6%	51%	51%	97%				
Average Speed		**Diesel Exhaust PM10 & PM2.5 Emissions at Speed mph (g/mi)7**							
35 mph	PM_{10}	0.0185	0.0314	3.14E-02	7.46E-03				
	$PM_{2.5}$	0.0177	0.0300	3.00E-02	7.14E-03				
		% of Vehicles That Are Gasoline-Powered[6]							
		94%	48%	48%	0.02%				
Total distance covered by these sources		**Gasoline Exhaust ROG Emissions at 35 mph (g/mi)7**				**Number of Sources**	**Emission Rates per source**		
	ROG	0.031	1.46E-01	1.46E-01	1.20E-02		**g/s**	**lb/hr**	**lb/yr**
		PM_{10}, $PM_{2.5}$ & ROG Exhaust Emissions (g/s)							
1,078 meters	PM_{10}	6.69E-07	2.94E-06	2.94E-06	6.13E-06	82	1.5E-07	1.2E-06	0.0107
	$PM_{2.5}$	6.40E-07	2.81E-06	2.81E-06	5.86E-06	82	1.5E-07	1.2E-06	0.0103
	ROG	1.88E-04	1.27E-05	1.27E-05	1.54E-09	82	2.6E-06	2.1E-05	0.1809

Speciated Emissions Rates

		lb/yr	lb/hr
diesel part.	--	1.07E-02	1.23E-06
PM2.5	--	1.03E-02	1.17E-06
1,3-butadiene	0.0055	9.95E-04	1.13E-07
benzene	0.02636	4.77E-03	5.44E-07
ethylbenzene	0.01072	1.94E-03	2.21E-07
MEK	0.00019	3.44E-05	3.92E-09
naphthalene	0.00048	8.68E-05	9.90E-09
propylene	0.03127998	5.66E-03	6.45E-07
styrene	0.00126	2.28E-04	2.60E-08
toluene	0.05879998	1.06E-02	1.21E-06
m & p-xylene	0.03639998	6.58E-03	7.51E-07

[1] AADT from First Hathaway Logistics Center Local Transportation Analysis (Stantec, October 2022)

[2] LDV use the EMFAC2021 "Non-Truck" emissions factors

[3] 2 axle & 3 axle trucks use the EMFAC2021 "Truck 1" emissions factors

[4] 4+ axle trucks use the EMFAC2021 "Truck 2" emissions factors

[6] Source: EMFAC2021 VMT data

[7] Source: EMFAC2021 emission factors for 2025 (model year aggregate).

EMFAC2021 Data

Region	Riverside (SC)
Calendar Year	2025

Row Labels	Max of Total VMT
HHDT	**1950611.476**
Diesel	1950611.476
Electricity	11894.93596
Gasoline	303.889871
Natural Gas	52093.15724
LDA	**20373765.83**
Diesel	49996.02059
Electricity	1153396.904
Gasoline	20373765.83
Plug-in Hybrid	704832.8394
LDT1	**1499609.575**
Diesel	298.1728862
Electricity	4089.475353
Gasoline	1499609.575
Plug-in Hybrid	4280.647946
LDT2	**8973973.952**
Diesel	30519.42791
Electricity	58637.73041
Gasoline	8973973.952
Plug-in Hybrid	105293.4446
LHDT1	**652458.21**
Diesel	549831.8274
Electricity	10260.66293
Gasoline	652458.21
LHDT2	**250292.8301**
Diesel	250292.8301
Electricity	2488.307475
Gasoline	88408.90183
MCY	**138549.7935**
Gasoline	138549.7935
MDV	**6448292.677**
Diesel	99526.12558
Electricity	64565.5975
Gasoline	6448292.677
Plug-in Hybrid	66048.14278
MH	**38795.29207**
Diesel	17019.87424
Gasoline	38795.29207
MHDT	**571359.1019**
Diesel	571359.1019
Electricity	6143.919124
Gasoline	49718.98291
Natural Gas	7896.148358
OBUS	**15183.67961**
Diesel	15183.67961
Electricity	134.2617193
Gasoline	12151.28279
Natural Gas	2218.821339
SBUS	**16859.59503**
Diesel	9931.139032
Electricity	143.1587763
Gasoline	16859.59503
Natural Gas	11102.69686
UBUS	**31122.27213**
Diesel	30.10971099
Electricity	33.75780976
Gasoline	18545.85863
Natural Gas	31122.27213

4+ Axle Trucks	
Dsl	96.81%
Electric	0.59%
Gasoline	0.02%
Natural Gas	2.59%

2 Axle & 3 Axle Trucks	
Dsl	51.50%
Electric	0.82%
Gasoline	47.68%

Non-Trucks	
Dsl	0.56%
Electric	3.21%
Gasoline	93.92%
Natural Gas	2.32%

sub_area	Riverside (SC)
calendar_year	2025
season_month	Annual
process	IDLEX
fuel	Dsl

Max of emission_rate	**Column Labels**
Row Labels	**4+ axle trucks**
PM10	**0.018165651**
(blank)	0.018165651
PM2_5	**0.017379813**
(blank)	0.017379813
ROG	**2.158233319**
(blank)	2.158233319

sub_area	Riverside (SC)
calendar_year	2025
season_month	Annual
process	RUNEX
fuel	Dsl

Max of emission_	**Column Labels**		
Row Labels	**NonTruck**	**2 Axle & 3 Axle Trucks**	**4+ axle trucks**
PM10	**0.063244376**	**0.096722816**	**0.017279492**
5	0.063244376	0.096722816	0.017279492
35	0.018487788	0.031366762	0.007464135
PM2_5	**0.060508452**	**0.092538629**	**0.016531989**
5	0.060508452	0.092538629	0.016531989
35	0.017688014	0.03000985	0.00714124
ROG	**0.371582881**	**0.419026328**	**0.135942952**
5	0.371582881	0.419026328	0.135942952
35	0.030780247	0.145999785	0.012026157

APPENDIX B

AERMOD OUTPUT (SELECT PAGES) AND HARP RESULTS

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 607 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 30273.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: TOXICS

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 607 Source(s); 607 Source Group(s); and 2359 Receptor(s)

with: 86 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 521 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)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**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)

**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) =   397.00 ;  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 =     69.2 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
IDLE01	0	0.10000E+01	513173.7	3754604.1	704.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE02	0	0.10000E+01	513185.5	3754604.1	703.9	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE03	0	0.10000E+01	513197.3	3754604.1	703.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE04	0	0.10000E+01	513209.1	3754604.1	703.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE05	0	0.10000E+01	513220.9	3754604.1	702.9	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE06	0	0.10000E+01	513232.7	3754604.1	702.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE07	0	0.10000E+01	513244.5	3754604.1	702.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE08	0	0.10000E+01	513256.3	3754604.1	702.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE09	0	0.10000E+01	513268.1	3754604.1	701.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE10	0	0.10000E+01	513279.9	3754604.1	701.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE11	0	0.10000E+01	513291.7	3754604.1	701.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE12	0	0.10000E+01	513303.5	3754604.1	700.7	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE13	0	0.10000E+01	513315.3	3754604.1	700.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE14	0	0.10000E+01	513327.1	3754604.1	700.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE15	0	0.10000E+01	513338.9	3754604.1	699.8	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE16	0	0.10000E+01	513350.7	3754604.1	699.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE17	0	0.10000E+01	513362.5	3754604.1	699.1	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE18	0	0.10000E+01	513374.3	3754604.1	698.8	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE19	0	0.10000E+01	513386.1	3754604.1	698.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE20	0	0.10000E+01	513397.9	3754604.1	698.1	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE21	0	0.10000E+01	513409.7	3754604.1	697.8	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE22	0	0.10000E+01	513421.5	3754604.1	697.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE23	0	0.10000E+01	513433.3	3754604.1	696.9	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE24	0	0.10000E+01	513445.1	3754604.1	696.5	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE25	0	0.10000E+01	513456.9	3754604.1	696.2	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE26	0	0.10000E+01	513468.7	3754604.1	696.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE27	0	0.10000E+01	513480.5	3754604.1	695.7	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE28	0	0.10000E+01	513492.3	3754604.1	695.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE29	0	0.10000E+01	513504.1	3754604.1	694.8	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE30	0	0.10000E+01	513515.9	3754604.1	694.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE31	0	0.10000E+01	513527.7	3754604.1	694.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE32	0	0.10000E+01	513539.5	3754604.1	693.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE33	0	0.10000E+01	513551.3	3754604.1	693.2	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE34	0	0.10000E+01	513563.1	3754604.1	692.8	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE35	0	0.10000E+01	513574.9	3754604.1	692.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE36	0	0.10000E+01	513586.7	3754604.1	692.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE37	0	0.10000E+01	513598.5	3754604.1	691.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE38	0	0.10000E+01	513610.3	3754604.1	691.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE39	0	0.10000E+01	513622.1	3754604.1	691.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE40	0	0.10000E+01	513633.9	3754604.1	690.6	3.80	366.00	50.00	0.10	YES	YES	NO	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
IDLE41	0	0.10000E+01	513645.7	3754604.1	690.2	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE42	0	0.10000E+01	513657.5	3754604.1	689.9	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE43	0	0.10000E+01	513669.3	3754604.1	689.5	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE44	0	0.10000E+01	513190.0	3754362.2	697.5	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE45	0	0.10000E+01	513201.8	3754362.2	697.1	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE46	0	0.10000E+01	513213.6	3754362.2	696.8	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE47	0	0.10000E+01	513225.4	3754362.2	696.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE48	0	0.10000E+01	513237.2	3754362.2	695.9	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE49	0	0.10000E+01	513249.0	3754362.2	695.5	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE50	0	0.10000E+01	513260.8	3754362.2	695.1	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE51	0	0.10000E+01	513272.6	3754362.2	694.7	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE52	0	0.10000E+01	513284.4	3754362.2	694.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE53	0	0.10000E+01	513296.2	3754362.2	693.8	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE54	0	0.10000E+01	513308.0	3754362.2	693.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE55	0	0.10000E+01	513319.8	3754362.2	693.1	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE56	0	0.10000E+01	513331.6	3754362.2	692.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE57	0	0.10000E+01	513343.4	3754362.2	692.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE58	0	0.10000E+01	513355.2	3754362.2	692.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE59	0	0.10000E+01	513367.0	3754362.2	691.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE60	0	0.10000E+01	513378.8	3754362.2	691.2	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE61	0	0.10000E+01	513390.6	3754362.2	690.9	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE62	0	0.10000E+01	513402.4	3754362.2	690.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE63	0	0.10000E+01	513414.2	3754362.2	690.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE64	0	0.10000E+01	513426.0	3754362.2	690.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE65	0	0.10000E+01	513437.8	3754362.2	689.7	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE66	0	0.10000E+01	513449.6	3754362.2	689.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE67	0	0.10000E+01	513461.4	3754362.2	689.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE68	0	0.10000E+01	513473.2	3754362.2	688.8	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE69	0	0.10000E+01	513485.0	3754362.2	688.5	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE70	0	0.10000E+01	513496.8	3754362.2	688.2	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE71	0	0.10000E+01	513508.6	3754362.2	687.9	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE72	0	0.10000E+01	513520.4	3754362.2	687.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE73	0	0.10000E+01	513532.2	3754362.2	687.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE74	0	0.10000E+01	513544.0	3754362.2	687.1	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE75	0	0.10000E+01	513555.8	3754362.2	686.9	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE76	0	0.10000E+01	513567.6	3754362.2	686.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE77	0	0.10000E+01	513579.4	3754362.2	686.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE78	0	0.10000E+01	513591.2	3754362.2	686.2	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE79	0	0.10000E+01	513603.0	3754362.2	686.0	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE80	0	0.10000E+01	513614.8	3754362.2	685.7	3.80	366.00	50.00	0.10	YES	YES	NO	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
IDLE81	0	0.10000E+01	513626.6	3754362.2	685.4	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE82	0	0.10000E+01	513638.4	3754362.2	685.2	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE83	0	0.10000E+01	513650.2	3754362.2	684.9	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE84	0	0.10000E+01	513662.0	3754362.2	684.6	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE85	0	0.10000E+01	513673.8	3754362.2	684.3	3.80	366.00	50.00	0.10	YES	YES	NO	
IDLE86	0	0.10000E+01	513685.6	3754362.2	683.9	3.80	366.00	50.00	0.10	YES	YES	NO	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
ONSIT001	0	0.10000E+01	513729.4	3754672.0	689.2	3.11	4.49	2.89	YES	
ONSIT002	0	0.10000E+01	513729.3	3754662.3	689.0	3.11	4.49	2.89	YES	
ONSIT003	0	0.10000E+01	513729.2	3754652.7	688.8	3.11	4.49	2.89	YES	
ONSIT004	0	0.10000E+01	513729.0	3754643.0	688.6	3.11	4.49	2.89	YES	
ONSIT005	0	0.10000E+01	513728.9	3754633.3	688.3	3.11	4.49	2.89	YES	
ONSIT006	0	0.10000E+01	513728.8	3754623.7	688.1	3.11	4.49	2.89	YES	
ONSIT007	0	0.10000E+01	513723.2	3754619.5	688.2	3.11	4.49	2.89	YES	
ONSIT008	0	0.10000E+01	513713.6	3754619.5	688.5	3.11	4.49	2.89	YES	
ONSIT009	0	0.10000E+01	513703.9	3754619.5	688.8	3.11	4.49	2.89	YES	
ONSIT010	0	0.10000E+01	513694.3	3754619.4	689.1	3.11	4.49	2.89	YES	
ONSIT011	0	0.10000E+01	513684.6	3754619.4	689.4	3.11	4.49	2.89	YES	
ONSIT012	0	0.10000E+01	513675.0	3754619.4	689.7	3.11	4.49	2.89	YES	
ONSIT013	0	0.10000E+01	513665.3	3754619.4	690.0	3.11	4.49	2.89	YES	
ONSIT014	0	0.10000E+01	513655.6	3754619.3	690.3	3.11	4.49	2.89	YES	
ONSIT015	0	0.10000E+01	513646.0	3754619.3	690.6	3.11	4.49	2.89	YES	
ONSIT016	0	0.10000E+01	513636.3	3754619.3	690.9	3.11	4.49	2.89	YES	
ONSIT017	0	0.10000E+01	513626.7	3754619.2	691.2	3.11	4.49	2.89	YES	
ONSIT018	0	0.10000E+01	513617.0	3754619.2	691.5	3.11	4.49	2.89	YES	
ONSIT019	0	0.10000E+01	513607.4	3754619.2	691.8	3.11	4.49	2.89	YES	
ONSIT020	0	0.10000E+01	513597.7	3754619.2	692.1	3.11	4.49	2.89	YES	
ONSIT021	0	0.10000E+01	513588.0	3754619.1	692.4	3.11	4.49	2.89	YES	
ONSIT022	0	0.10000E+01	513578.4	3754619.1	692.6	3.11	4.49	2.89	YES	
ONSIT023	0	0.10000E+01	513568.7	3754619.1	693.0	3.11	4.49	2.89	YES	
ONSIT024	0	0.10000E+01	513559.1	3754619.1	693.3	3.11	4.49	2.89	YES	
ONSIT025	0	0.10000E+01	513549.4	3754619.0	693.6	3.11	4.49	2.89	YES	
ONSIT026	0	0.10000E+01	513539.8	3754619.0	693.9	3.11	4.49	2.89	YES	
ONSIT027	0	0.10000E+01	513530.1	3754619.0	694.2	3.11	4.49	2.89	YES	
ONSIT028	0	0.10000E+01	513520.5	3754618.9	694.5	3.11	4.49	2.89	YES	
ONSIT029	0	0.10000E+01	513510.8	3754618.9	694.9	3.11	4.49	2.89	YES	
ONSIT030	0	0.10000E+01	513501.1	3754618.9	695.2	3.11	4.49	2.89	YES	
ONSIT031	0	0.10000E+01	513491.5	3754618.9	695.6	3.11	4.49	2.89	YES	
ONSIT032	0	0.10000E+01	513481.8	3754618.8	696.0	3.11	4.49	2.89	YES	
ONSIT033	0	0.10000E+01	513472.2	3754618.8	696.3	3.11	4.49	2.89	YES	
ONSIT034	0	0.10000E+01	513462.5	3754618.8	696.6	3.11	4.49	2.89	YES	
ONSIT035	0	0.10000E+01	513452.8	3754618.8	696.8	3.11	4.49	2.89	YES	
ONSIT036	0	0.10000E+01	513443.2	3754618.7	697.1	3.11	4.49	2.89	YES	
ONSIT037	0	0.10000E+01	513433.5	3754618.7	697.4	3.11	4.49	2.89	YES	
ONSIT038	0	0.10000E+01	513423.9	3754618.7	697.7	3.11	4.49	2.89	YES	
ONSIT039	0	0.10000E+01	513414.2	3754618.6	698.0	3.11	4.49	2.89	YES	
ONSIT040	0	0.10000E+01	513404.5	3754618.6	698.3	3.11	4.49	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
ONSIT041	0	0.10000E+01	513394.9	3754618.6	698.6	3.11	4.49	2.89	YES	
ONSIT042	0	0.10000E+01	513385.2	3754618.6	698.8	3.11	4.49	2.89	YES	
ONSIT043	0	0.10000E+01	513375.6	3754618.5	699.1	3.11	4.49	2.89	YES	
ONSIT044	0	0.10000E+01	513365.9	3754618.5	699.4	3.11	4.49	2.89	YES	
ONSIT045	0	0.10000E+01	513356.3	3754618.5	699.7	3.11	4.49	2.89	YES	
ONSIT046	0	0.10000E+01	513346.6	3754618.5	700.0	3.11	4.49	2.89	YES	
ONSIT047	0	0.10000E+01	513337.0	3754618.4	700.3	3.11	4.49	2.89	YES	
ONSIT048	0	0.10000E+01	513327.3	3754618.4	700.5	3.11	4.49	2.89	YES	
ONSIT049	0	0.10000E+01	513317.6	3754618.4	700.8	3.11	4.49	2.89	YES	
ONSIT050	0	0.10000E+01	513308.0	3754618.3	701.1	3.11	4.49	2.89	YES	
ONSIT051	0	0.10000E+01	513298.3	3754618.3	701.3	3.11	4.49	2.89	YES	
ONSIT052	0	0.10000E+01	513288.7	3754618.3	701.6	3.11	4.49	2.89	YES	
ONSIT053	0	0.10000E+01	513279.0	3754618.3	701.9	3.11	4.49	2.89	YES	
ONSIT054	0	0.10000E+01	513269.3	3754618.2	702.1	3.11	4.49	2.89	YES	
ONSIT055	0	0.10000E+01	513259.7	3754618.2	702.4	3.11	4.49	2.89	YES	
ONSIT056	0	0.10000E+01	513250.0	3754618.2	702.7	3.11	4.49	2.89	YES	
ONSIT057	0	0.10000E+01	513240.4	3754618.2	703.0	3.11	4.49	2.89	YES	
ONSIT058	0	0.10000E+01	513230.7	3754618.1	703.2	3.11	4.49	2.89	YES	
ONSIT059	0	0.10000E+01	513221.1	3754618.1	703.5	3.11	4.49	2.89	YES	
ONSIT060	0	0.10000E+01	513211.4	3754618.1	703.7	3.11	4.49	2.89	YES	
ONSIT061	0	0.10000E+01	513201.8	3754618.0	704.0	3.11	4.49	2.89	YES	
ONSIT062	0	0.10000E+01	513192.1	3754618.0	704.2	3.11	4.49	2.89	YES	
ONSIT063	0	0.10000E+01	513182.4	3754618.0	704.4	3.11	4.49	2.89	YES	
ONSIT064	0	0.10000E+01	513172.8	3754618.0	704.7	3.11	4.49	2.89	YES	
ONSIT065	0	0.10000E+01	513163.1	3754617.9	704.9	3.11	4.49	2.89	YES	
ONSIT066	0	0.10000E+01	513153.5	3754617.9	705.1	3.11	4.49	2.89	YES	
ONSIT067	0	0.10000E+01	513143.8	3754617.9	705.4	3.11	4.49	2.89	YES	
ONSIT068	0	0.10000E+01	513134.1	3754617.9	705.6	3.11	4.49	2.89	YES	
ONSIT069	0	0.10000E+01	513124.5	3754617.8	705.8	3.11	4.49	2.89	YES	
ONSIT070	0	0.10000E+01	513114.8	3754617.8	706.0	3.11	4.49	2.89	YES	
ONSIT071	0	0.10000E+01	513105.2	3754617.8	706.3	3.11	4.49	2.89	YES	
ONSIT072	0	0.10000E+01	513095.5	3754617.8	706.5	3.11	4.49	2.89	YES	
ONSIT073	0	0.10000E+01	513085.9	3754617.7	706.8	3.11	4.49	2.89	YES	
ONSIT074	0	0.10000E+01	513079.1	3754611.5	706.9	3.11	4.49	2.89	YES	
ONSIT075	0	0.10000E+01	513072.8	3754604.1	706.9	3.11	4.49	2.89	YES	
ONSIT076	0	0.10000E+01	513066.5	3754596.8	706.9	3.11	4.49	2.89	YES	
ONSIT077	0	0.10000E+01	513063.0	3754588.1	706.7	3.11	4.49	2.89	YES	
ONSIT078	0	0.10000E+01	513060.9	3754578.7	706.5	3.11	4.49	2.89	YES	
ONSIT079	0	0.10000E+01	513058.9	3754569.2	706.3	3.11	4.49	2.89	YES	
ONSIT080	0	0.10000E+01	513056.8	3754559.8	706.1	3.11	4.49	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
ONSIT081	0	0.10000E+01	513054.7	3754550.4	705.9	3.11	4.49	2.89	YES	
ONSIT082	0	0.10000E+01	513052.7	3754540.9	705.8	3.11	4.49	2.89	YES	
ONSIT083	0	0.10000E+01	513050.6	3754531.5	705.6	3.11	4.49	2.89	YES	
ONSIT084	0	0.10000E+01	513048.5	3754522.1	705.5	3.11	4.49	2.89	YES	
ONSIT085	0	0.10000E+01	513046.5	3754512.6	705.4	3.11	4.49	2.89	YES	
ONSIT086	0	0.10000E+01	513044.4	3754503.2	705.3	3.11	4.49	2.89	YES	
ONSIT087	0	0.10000E+01	513042.3	3754493.8	705.2	3.11	4.49	2.89	YES	
ONSIT088	0	0.10000E+01	513037.9	3754487.1	705.3	3.11	4.49	2.89	YES	
ONSIT089	0	0.10000E+01	513028.2	3754486.8	705.6	3.11	4.49	2.89	YES	
ONSIT090	0	0.10000E+01	513193.4	3754351.8	697.2	3.11	4.49	2.89	YES	
ONSIT091	0	0.10000E+01	513203.0	3754351.8	696.9	3.11	4.49	2.89	YES	
ONSIT092	0	0.10000E+01	513212.7	3754351.8	696.6	3.11	4.49	2.89	YES	
ONSIT093	0	0.10000E+01	513222.3	3754351.7	696.3	3.11	4.49	2.89	YES	
ONSIT094	0	0.10000E+01	513232.0	3754351.7	695.9	3.11	4.49	2.89	YES	
ONSIT095	0	0.10000E+01	513241.7	3754351.6	695.6	3.11	4.49	2.89	YES	
ONSIT096	0	0.10000E+01	513251.3	3754351.6	695.2	3.11	4.49	2.89	YES	
ONSIT097	0	0.10000E+01	513261.0	3754351.6	694.9	3.11	4.49	2.89	YES	
ONSIT098	0	0.10000E+01	513270.6	3754351.5	694.5	3.11	4.49	2.89	YES	
ONSIT099	0	0.10000E+01	513280.3	3754351.5	694.2	3.11	4.49	2.89	YES	
ONSIT100	0	0.10000E+01	513290.0	3754351.4	693.8	3.11	4.49	2.89	YES	
ONSIT101	0	0.10000E+01	513299.6	3754351.4	693.5	3.11	4.49	2.89	YES	
ONSIT102	0	0.10000E+01	513309.3	3754351.4	693.2	3.11	4.49	2.89	YES	
ONSIT103	0	0.10000E+01	513318.9	3754351.3	692.8	3.11	4.49	2.89	YES	
ONSIT104	0	0.10000E+01	513328.6	3754351.3	692.5	3.11	4.49	2.89	YES	
ONSIT105	0	0.10000E+01	513338.2	3754351.3	692.2	3.11	4.49	2.89	YES	
ONSIT106	0	0.10000E+01	513347.9	3754351.2	691.9	3.11	4.49	2.89	YES	
ONSIT107	0	0.10000E+01	513357.5	3754351.2	691.6	3.11	4.49	2.89	YES	
ONSIT108	0	0.10000E+01	513367.2	3754351.1	691.3	3.11	4.49	2.89	YES	
ONSIT109	0	0.10000E+01	513376.9	3754351.1	691.0	3.11	4.49	2.89	YES	
ONSIT110	0	0.10000E+01	513386.5	3754351.1	690.7	3.11	4.49	2.89	YES	
ONSIT111	0	0.10000E+01	513396.2	3754351.0	690.4	3.11	4.49	2.89	YES	
ONSIT112	0	0.10000E+01	513405.8	3754351.0	690.2	3.11	4.49	2.89	YES	
ONSIT113	0	0.10000E+01	513415.5	3754350.9	689.9	3.11	4.49	2.89	YES	
ONSIT114	0	0.10000E+01	513425.1	3754350.9	689.7	3.11	4.49	2.89	YES	
ONSIT115	0	0.10000E+01	513434.8	3754350.9	689.5	3.11	4.49	2.89	YES	
ONSIT116	0	0.10000E+01	513444.5	3754350.8	689.2	3.11	4.49	2.89	YES	
ONSIT117	0	0.10000E+01	513454.1	3754350.8	688.9	3.11	4.49	2.89	YES	
ONSIT118	0	0.10000E+01	513463.8	3754350.8	688.6	3.11	4.49	2.89	YES	
ONSIT119	0	0.10000E+01	513473.4	3754350.7	688.4	3.11	4.49	2.89	YES	
ONSIT120	0	0.10000E+01	513483.1	3754350.7	688.2	3.11	4.49	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
ONSIT121	0	0.10000E+01	513492.8	3754350.6	687.9	3.11	4.49	2.89	YES	
ONSIT122	0	0.10000E+01	513502.4	3754350.6	687.6	3.11	4.49	2.89	YES	
ONSIT123	0	0.10000E+01	513512.1	3754350.6	687.5	3.11	4.49	2.89	YES	
ONSIT124	0	0.10000E+01	513521.7	3754350.5	687.2	3.11	4.49	2.89	YES	
ONSIT125	0	0.10000E+01	513531.4	3754350.5	687.0	3.11	4.49	2.89	YES	
ONSIT126	0	0.10000E+01	513541.0	3754350.5	686.9	3.11	4.49	2.89	YES	
ONSIT127	0	0.10000E+01	513550.7	3754350.4	686.7	3.11	4.49	2.89	YES	
ONSIT128	0	0.10000E+01	513560.4	3754350.4	686.4	3.11	4.49	2.89	YES	
ONSIT129	0	0.10000E+01	513570.0	3754350.3	686.2	3.11	4.49	2.89	YES	
ONSIT130	0	0.10000E+01	513579.7	3754350.3	686.0	3.11	4.49	2.89	YES	
ONSIT131	0	0.10000E+01	513589.3	3754350.3	685.8	3.11	4.49	2.89	YES	
ONSIT132	0	0.10000E+01	513599.0	3754350.2	685.7	3.11	4.49	2.89	YES	
ONSIT133	0	0.10000E+01	513608.6	3754350.2	685.5	3.11	4.49	2.89	YES	
ONSIT134	0	0.10000E+01	513618.3	3754350.1	685.3	3.11	4.49	2.89	YES	
ONSIT135	0	0.10000E+01	513628.0	3754350.1	685.1	3.11	4.49	2.89	YES	
ONSIT136	0	0.10000E+01	513637.6	3754350.1	684.9	3.11	4.49	2.89	YES	
ONSIT137	0	0.10000E+01	513647.3	3754350.0	684.7	3.11	4.49	2.89	YES	
ONSIT138	0	0.10000E+01	513656.9	3754350.0	684.4	3.11	4.49	2.89	YES	
ONSIT139	0	0.10000E+01	513666.6	3754350.0	684.2	3.11	4.49	2.89	YES	
ONSIT140	0	0.10000E+01	513676.2	3754349.9	683.9	3.11	4.49	2.89	YES	
ONSIT141	0	0.10000E+01	513685.9	3754349.9	683.6	3.11	4.49	2.89	YES	
ONSIT142	0	0.10000E+01	513695.6	3754349.8	683.4	3.11	4.49	2.89	YES	
ONSIT143	0	0.10000E+01	513705.2	3754349.8	683.0	3.11	4.49	2.89	YES	
ONSIT144	0	0.10000E+01	513712.2	3754347.1	682.7	3.11	4.49	2.89	YES	
ONSIT145	0	0.10000E+01	513712.2	3754337.4	682.5	3.11	4.49	2.89	YES	
ONSIT146	0	0.10000E+01	513712.2	3754327.8	682.3	3.11	4.49	2.89	YES	
ONSIT147	0	0.10000E+01	513710.9	3754319.2	682.1	3.11	4.49	2.89	YES	
ONSIT148	0	0.10000E+01	513701.5	3754317.3	682.3	3.11	4.49	2.89	YES	
ONSIT149	0	0.10000E+01	513692.0	3754315.5	682.6	3.11	4.49	2.89	YES	
ONSIT150	0	0.10000E+01	513682.5	3754313.7	682.8	3.11	4.49	2.89	YES	
ONSIT151	0	0.10000E+01	513673.0	3754311.8	683.0	3.11	4.49	2.89	YES	
ONSIT152	0	0.10000E+01	513663.5	3754310.0	683.2	3.11	4.49	2.89	YES	
ONSIT153	0	0.10000E+01	513654.0	3754308.2	683.4	3.11	4.49	2.89	YES	
ONSIT154	0	0.10000E+01	513644.6	3754306.3	683.6	3.11	4.49	2.89	YES	
ONSIT155	0	0.10000E+01	513635.1	3754304.5	683.7	3.11	4.49	2.89	YES	
ONSIT156	0	0.10000E+01	513625.6	3754302.7	683.8	3.11	4.49	2.89	YES	
ONSIT157	0	0.10000E+01	513616.1	3754300.8	684.0	3.11	4.49	2.89	YES	
ONSIT158	0	0.10000E+01	513283.8	3754342.9	693.9	3.11	4.49	2.89	YES	
ONSIT159	0	0.10000E+01	513284.0	3754333.2	693.6	3.11	4.49	2.89	YES	
ONSIT160	0	0.10000E+01	513284.2	3754323.6	693.4	3.11	4.49	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
ONSIT161	0	0.10000E+01	513284.4	3754313.9	693.1	3.11	4.49	2.89	YES	
ONSIT162	0	0.10000E+01	513284.6	3754304.3	692.9	3.11	4.49	2.89	YES	
ONSIT163	0	0.10000E+01	513284.8	3754294.6	692.6	3.11	4.49	2.89	YES	
ONSIT164	0	0.10000E+01	513285.0	3754284.9	692.4	3.11	4.49	2.89	YES	
WILSON01	0	0.10000E+01	513723.5	3754686.5	689.8	3.11	6.19	2.89	YES	
WILSON02	0	0.10000E+01	513710.2	3754686.5	690.2	3.11	6.19	2.89	YES	
WILSON03	0	0.10000E+01	513696.8	3754686.5	690.6	3.11	6.19	2.89	YES	
WILSON04	0	0.10000E+01	513683.5	3754686.5	691.0	3.11	6.19	2.89	YES	
WILSON05	0	0.10000E+01	513670.2	3754686.5	691.3	3.11	6.19	2.89	YES	
WILSON06	0	0.10000E+01	513656.9	3754686.5	691.8	3.11	6.19	2.89	YES	
WILSON07	0	0.10000E+01	513643.6	3754686.5	692.3	3.11	6.19	2.89	YES	
WILSON08	0	0.10000E+01	513630.3	3754686.6	692.6	3.11	6.19	2.89	YES	
WILSON09	0	0.10000E+01	513617.0	3754686.6	693.0	3.11	6.19	2.89	YES	
WILSON10	0	0.10000E+01	513603.6	3754686.6	693.4	3.11	6.19	2.89	YES	
WILSON11	0	0.10000E+01	513590.3	3754686.6	693.9	3.11	6.19	2.89	YES	
WILSON12	0	0.10000E+01	513577.0	3754686.6	694.4	3.11	6.19	2.89	YES	
WILSON13	0	0.10000E+01	513563.7	3754686.6	694.8	3.11	6.19	2.89	YES	
WILSON14	0	0.10000E+01	513550.4	3754686.6	695.1	3.11	6.19	2.89	YES	
WILSON15	0	0.10000E+01	513537.1	3754686.6	695.4	3.11	6.19	2.89	YES	
WILSON16	0	0.10000E+01	513523.8	3754686.7	695.8	3.11	6.19	2.89	YES	
WILSON17	0	0.10000E+01	513510.4	3754686.7	696.2	3.11	6.19	2.89	YES	
WILSON18	0	0.10000E+01	513497.1	3754686.7	696.8	3.11	6.19	2.89	YES	
WILSON19	0	0.10000E+01	513483.8	3754686.7	697.4	3.11	6.19	2.89	YES	
WILSON20	0	0.10000E+01	513470.5	3754686.7	697.9	3.11	6.19	2.89	YES	
WILSON21	0	0.10000E+01	513457.2	3754686.7	698.4	3.11	6.19	2.89	YES	
WILSON22	0	0.10000E+01	513443.9	3754686.7	698.9	3.11	6.19	2.89	YES	
WILSON23	0	0.10000E+01	513430.5	3754686.8	699.4	3.11	6.19	2.89	YES	
WILSON24	0	0.10000E+01	513417.2	3754686.8	699.8	3.11	6.19	2.89	YES	
WILSON25	0	0.10000E+01	513403.9	3754686.8	700.3	3.11	6.19	2.89	YES	
WILSON26	0	0.10000E+01	513390.6	3754686.8	700.8	3.11	6.19	2.89	YES	
WILSON27	0	0.10000E+01	513377.3	3754686.8	701.2	3.11	6.19	2.89	YES	
WILSON28	0	0.10000E+01	513364.0	3754686.8	701.6	3.11	6.19	2.89	YES	
WILSON29	0	0.10000E+01	513350.7	3754686.8	702.1	3.11	6.19	2.89	YES	
WILSON30	0	0.10000E+01	513337.3	3754686.8	702.6	3.11	6.19	2.89	YES	
WILSON31	0	0.10000E+01	513324.0	3754686.9	703.0	3.11	6.19	2.89	YES	
WILSON32	0	0.10000E+01	513310.7	3754686.9	703.3	3.11	6.19	2.89	YES	
WILSON33	0	0.10000E+01	513297.4	3754686.9	703.7	3.11	6.19	2.89	YES	
WILSON34	0	0.10000E+01	513284.1	3754686.9	704.1	3.11	6.19	2.89	YES	
WILSON35	0	0.10000E+01	513270.8	3754686.9	704.4	3.11	6.19	2.89	YES	
WILSON36	0	0.10000E+01	513257.5	3754686.9	704.8	3.11	6.19	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
WILSON37	0	0.10000E+01	513244.1	3754686.9	705.1	3.11	6.19	2.89	YES	
WILSON38	0	0.10000E+01	513230.8	3754686.9	705.5	3.11	6.19	2.89	YES	
WILSON39	0	0.10000E+01	513217.5	3754687.0	705.9	3.11	6.19	2.89	YES	
WILSON40	0	0.10000E+01	513204.2	3754687.0	706.2	3.11	6.19	2.89	YES	
WILSON41	0	0.10000E+01	513190.9	3754687.0	706.5	3.11	6.19	2.89	YES	
WILSON42	0	0.10000E+01	513177.6	3754687.0	706.9	3.11	6.19	2.89	YES	
WILSON43	0	0.10000E+01	513164.2	3754687.0	707.3	3.11	6.19	2.89	YES	
WILSON44	0	0.10000E+01	513150.9	3754687.0	707.7	3.11	6.19	2.89	YES	
WILSON45	0	0.10000E+01	513137.6	3754687.0	708.0	3.11	6.19	2.89	YES	
WILSON46	0	0.10000E+01	513124.3	3754687.0	708.2	3.11	6.19	2.89	YES	
WILSON47	0	0.10000E+01	513111.0	3754687.1	708.4	3.11	6.19	2.89	YES	
WILSON48	0	0.10000E+01	513097.7	3754687.1	708.6	3.11	6.19	2.89	YES	
WILSON49	0	0.10000E+01	513084.3	3754687.1	708.9	3.11	6.19	2.89	YES	
WILSON50	0	0.10000E+01	513071.0	3754687.1	709.2	3.11	6.19	2.89	YES	
WILSON51	0	0.10000E+01	513057.7	3754687.1	709.6	3.11	6.19	2.89	YES	
WILSON52	0	0.10000E+01	513044.4	3754687.1	710.0	3.11	6.19	2.89	YES	
WILSON53	0	0.10000E+01	513031.1	3754687.1	710.4	3.11	6.19	2.89	YES	
WILSON54	0	0.10000E+01	513017.8	3754687.1	710.8	3.11	6.19	2.89	YES	
NICOL01	0	0.10000E+01	513603.4	3754282.9	683.6	3.11	6.19	2.89	YES	
NICOL02	0	0.10000E+01	513590.1	3754282.9	683.7	3.11	6.19	2.89	YES	
NICOL03	0	0.10000E+01	513576.8	3754282.9	683.9	3.11	6.19	2.89	YES	
NICOL04	0	0.10000E+01	513563.5	3754282.9	684.2	3.11	6.19	2.89	YES	
NICOL05	0	0.10000E+01	513550.2	3754282.9	684.5	3.11	6.19	2.89	YES	
NICOL06	0	0.10000E+01	513536.9	3754282.9	684.9	3.11	6.19	2.89	YES	
NICOL07	0	0.10000E+01	513523.5	3754282.9	685.2	3.11	6.19	2.89	YES	
NICOL08	0	0.10000E+01	513510.2	3754282.9	685.5	3.11	6.19	2.89	YES	
NICOL09	0	0.10000E+01	513496.9	3754282.9	685.8	3.11	6.19	2.89	YES	
NICOL10	0	0.10000E+01	513483.6	3754282.9	686.1	3.11	6.19	2.89	YES	
NICOL11	0	0.10000E+01	513470.3	3754282.9	686.4	3.11	6.19	2.89	YES	
NICOL12	0	0.10000E+01	513457.0	3754282.9	686.7	3.11	6.19	2.89	YES	
NICOL13	0	0.10000E+01	513443.6	3754282.9	687.1	3.11	6.19	2.89	YES	
NICOL14	0	0.10000E+01	513430.3	3754282.9	687.5	3.11	6.19	2.89	YES	
NICOL15	0	0.10000E+01	513417.0	3754282.9	687.8	3.11	6.19	2.89	YES	
NICOL16	0	0.10000E+01	513403.7	3754282.9	688.1	3.11	6.19	2.89	YES	
NICOL17	0	0.10000E+01	513390.5	3754281.5	688.5	3.11	6.19	2.89	YES	
NICOL18	0	0.10000E+01	513377.4	3754279.2	688.9	3.11	6.19	2.89	YES	
NICOL19	0	0.10000E+01	513364.3	3754277.0	689.3	3.11	6.19	2.89	YES	
NICOL20	0	0.10000E+01	513351.1	3754274.7	689.7	3.11	6.19	2.89	YES	
NICOL21	0	0.10000E+01	513338.0	3754272.5	690.0	3.11	6.19	2.89	YES	
NICOL22	0	0.10000E+01	513324.7	3754272.5	690.6	3.11	6.19	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
NICOL23	0	0.10000E+01	513311.4	3754272.5	691.0	3.11	6.19	2.89	YES	
NICOL24	0	0.10000E+01	513298.1	3754272.5	691.5	3.11	6.19	2.89	YES	
NICOL25	0	0.10000E+01	513284.8	3754272.5	692.0	3.11	6.19	2.89	YES	
NICOL26	0	0.10000E+01	513271.4	3754272.5	692.5	3.11	6.19	2.89	YES	
NICOL27	0	0.10000E+01	513258.1	3754272.5	693.0	3.11	6.19	2.89	YES	
NICOL28	0	0.10000E+01	513244.8	3754272.5	693.5	3.11	6.19	2.89	YES	
NICOL29	0	0.10000E+01	513231.5	3754272.5	694.0	3.11	6.19	2.89	YES	
NICOL30	0	0.10000E+01	513218.2	3754272.5	694.4	3.11	6.19	2.89	YES	
NICOL31	0	0.10000E+01	513204.9	3754272.5	694.9	3.11	6.19	2.89	YES	
NICOL32	0	0.10000E+01	513191.5	3754272.5	695.3	3.11	6.19	2.89	YES	
NICOL33	0	0.10000E+01	513178.2	3754272.5	695.7	3.11	6.19	2.89	YES	
NICOL34	0	0.10000E+01	513164.9	3754272.5	696.0	3.11	6.19	2.89	YES	
NICOL35	0	0.10000E+01	513151.6	3754272.5	696.4	3.11	6.19	2.89	YES	
NICOL36	0	0.10000E+01	513138.3	3754272.5	696.7	3.11	6.19	2.89	YES	
NICOL37	0	0.10000E+01	513125.0	3754272.5	697.0	3.11	6.19	2.89	YES	
NICOL38	0	0.10000E+01	513111.7	3754272.5	697.3	3.11	6.19	2.89	YES	
NICOL39	0	0.10000E+01	513098.3	3754272.5	697.6	3.11	6.19	2.89	YES	
NICOL40	0	0.10000E+01	513085.1	3754273.5	698.0	3.11	6.19	2.89	YES	
NICOL41	0	0.10000E+01	513071.9	3754275.2	698.3	3.11	6.19	2.89	YES	
NICOL42	0	0.10000E+01	513058.7	3754276.9	698.6	3.11	6.19	2.89	YES	
NICOL43	0	0.10000E+01	513045.5	3754278.6	699.0	3.11	6.19	2.89	YES	
NICOL44	0	0.10000E+01	513032.3	3754280.3	699.3	3.11	6.19	2.89	YES	
NHATH_01	0	0.10000E+01	513013.7	3754673.0	710.5	3.11	6.19	0.48	YES	
NHATH_02	0	0.10000E+01	513013.6	3754659.7	710.1	3.11	6.19	0.48	YES	
NHATH_03	0	0.10000E+01	513013.6	3754646.3	709.7	3.11	6.19	0.48	YES	
NHATH_04	0	0.10000E+01	513013.5	3754633.0	709.4	3.11	6.19	0.48	YES	
NHATH_05	0	0.10000E+01	513013.4	3754619.7	708.9	3.11	6.19	0.48	YES	
NHATH_06	0	0.10000E+01	513013.4	3754606.4	708.5	3.11	6.19	0.48	YES	
NHATH_07	0	0.10000E+01	513013.3	3754593.1	708.1	3.11	6.19	0.48	YES	
NHATH_08	0	0.10000E+01	513013.3	3754579.8	707.5	3.11	6.19	0.48	YES	
NHATH_09	0	0.10000E+01	513013.2	3754566.5	707.2	3.11	6.19	0.48	YES	
NHATH_10	0	0.10000E+01	513013.2	3754553.1	707.1	3.11	6.19	0.48	YES	
NHATH_11	0	0.10000E+01	513013.1	3754539.8	707.0	3.11	6.19	0.48	YES	
NHATH_12	0	0.10000E+01	513013.0	3754526.5	706.8	3.11	6.19	0.48	YES	
NHATH_13	0	0.10000E+01	513013.0	3754513.2	706.7	3.11	6.19	0.48	YES	
NHATH_14	0	0.10000E+01	513012.9	3754499.9	706.4	3.11	6.19	0.48	YES	
SHATH_01	0	0.10000E+01	513012.9	3754484.4	706.2	3.11	6.19	0.48	YES	
SHATH_02	0	0.10000E+01	513012.8	3754471.1	705.9	3.11	6.19	0.48	YES	
SHATH_03	0	0.10000E+01	513012.8	3754457.8	705.7	3.11	6.19	0.48	YES	
SHATH_04	0	0.10000E+01	513012.7	3754444.5	705.3	3.11	6.19	0.48	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
SHATH_05	0	0.10000E+01	513012.7	3754431.2	704.9	3.11	6.19	0.48	YES	
SHATH_06	0	0.10000E+01	513012.6	3754417.8	704.5	3.11	6.19	0.48	YES	
SHATH_07	0	0.10000E+01	513012.6	3754404.5	704.1	3.11	6.19	0.48	YES	
SHATH_08	0	0.10000E+01	513012.5	3754391.2	703.6	3.11	6.19	0.48	YES	
SHATH_09	0	0.10000E+01	513012.4	3754377.9	703.1	3.11	6.19	0.48	YES	
SHATH_10	0	0.10000E+01	513012.4	3754364.6	702.5	3.11	6.19	0.48	YES	
SHATH_11	0	0.10000E+01	513012.3	3754351.3	702.0	3.11	6.19	0.48	YES	
SHATH_12	0	0.10000E+01	513012.3	3754337.9	701.5	3.11	6.19	0.48	YES	
SHATH_13	0	0.10000E+01	513012.2	3754324.6	701.0	3.11	6.19	0.48	YES	
SHATH_14	0	0.10000E+01	513012.1	3754311.3	700.5	3.11	6.19	0.48	YES	
SHATH_15	0	0.10000E+01	513012.1	3754298.0	700.1	3.11	6.19	0.48	YES	
SHATH_16	0	0.10000E+01	513012.0	3754284.7	699.7	3.11	6.19	0.48	YES	
SHATH_17	0	0.10000E+01	513012.0	3754271.4	699.4	3.11	6.19	0.48	YES	
SHATH_18	0	0.10000E+01	513011.9	3754258.1	699.0	3.11	6.19	0.48	YES	
SHATH_19	0	0.10000E+01	513011.9	3754244.8	698.6	3.11	6.19	0.48	YES	
SHATH_20	0	0.10000E+01	513011.8	3754231.4	698.2	3.11	6.19	0.48	YES	
SHATH_21	0	0.10000E+01	513011.8	3754218.1	697.8	3.11	6.19	0.48	YES	
SHATH_22	0	0.10000E+01	513011.7	3754204.8	697.5	3.11	6.19	0.48	YES	
SHATH_23	0	0.10000E+01	513011.6	3754191.5	697.1	3.11	6.19	0.48	YES	
SHATH_24	0	0.10000E+01	513011.6	3754178.2	696.7	3.11	6.19	0.48	YES	
SHATH_25	0	0.10000E+01	513011.5	3754164.9	696.3	3.11	6.19	0.48	YES	
SHATH_26	0	0.10000E+01	513011.5	3754151.5	695.9	3.11	6.19	0.48	YES	
SHATH_27	0	0.10000E+01	513011.4	3754138.2	695.4	3.11	6.19	0.48	YES	
SHATH_28	0	0.10000E+01	513011.3	3754124.9	695.0	3.11	6.19	0.48	YES	
SHATH_29	0	0.10000E+01	513011.3	3754111.6	694.6	3.11	6.19	0.48	YES	
SHATH_30	0	0.10000E+01	513011.2	3754098.3	694.2	3.11	6.19	0.48	YES	
SHATH_31	0	0.10000E+01	513011.2	3754085.0	693.9	3.11	6.19	0.48	YES	
SHATH_32	0	0.10000E+01	513011.1	3754071.6	693.5	3.11	6.19	0.48	YES	
SHATH_33	0	0.10000E+01	513011.1	3754058.3	693.1	3.11	6.19	0.48	YES	
SHATH_34	0	0.10000E+01	513011.0	3754045.0	692.8	3.11	6.19	0.48	YES	
SHATH_35	0	0.10000E+01	513011.0	3754031.7	692.4	3.11	6.19	0.48	YES	
SHATH_36	0	0.10000E+01	513010.9	3754018.4	692.1	3.11	6.19	0.48	YES	
SHATH_37	0	0.10000E+01	513010.8	3754005.1	691.7	3.11	6.19	0.48	YES	
SHATH_38	0	0.10000E+01	513010.8	3753991.8	691.3	3.11	6.19	0.48	YES	
SHATH_39	0	0.10000E+01	513010.7	3753978.4	690.9	3.11	6.19	0.48	YES	
SHATH_40	0	0.10000E+01	513010.7	3753965.1	690.5	3.11	6.19	0.48	YES	
SHATH_41	0	0.10000E+01	513010.6	3753951.8	690.0	3.11	6.19	0.48	YES	
SHATH_42	0	0.10000E+01	513010.5	3753938.5	689.6	3.11	6.19	0.48	YES	
SHATH_43	0	0.10000E+01	513010.5	3753925.2	689.2	3.11	6.19	0.48	YES	
SHATH_44	0	0.10000E+01	513010.4	3753911.9	688.8	3.11	6.19	0.48	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
SHATH_45	0	0.10000E+01	513010.4	3753898.5	688.3	3.11	6.19	0.48	YES	
I10W001	0	0.10000E+01	512999.9	3753895.6	688.6	3.11	6.19	2.89	YES	
I10W002	0	0.10000E+01	512986.5	3753895.5	689.0	3.11	6.19	2.89	YES	
I10W003	0	0.10000E+01	512973.2	3753895.5	689.2	3.11	6.19	2.89	YES	
I10W004	0	0.10000E+01	512959.9	3753895.4	689.5	3.11	6.19	2.89	YES	
I10W005	0	0.10000E+01	512946.6	3753895.4	689.8	3.11	6.19	2.89	YES	
I10W006	0	0.10000E+01	512933.3	3753895.4	690.1	3.11	6.19	2.89	YES	
I10W007	0	0.10000E+01	512920.0	3753895.3	690.5	3.11	6.19	2.89	YES	
I10W008	0	0.10000E+01	512906.7	3753895.3	690.9	3.11	6.19	2.89	YES	
I10W009	0	0.10000E+01	512893.3	3753895.2	691.2	3.11	6.19	2.89	YES	
I10W010	0	0.10000E+01	512880.0	3753895.2	691.5	3.11	6.19	2.89	YES	
I10W011	0	0.10000E+01	512866.7	3753895.1	691.8	3.11	6.19	2.89	YES	
I10W012	0	0.10000E+01	512853.4	3753895.1	692.0	3.11	6.19	2.89	YES	
I10W013	0	0.10000E+01	512840.1	3753895.1	692.3	3.11	6.19	2.89	YES	
I10W014	0	0.10000E+01	512826.8	3753895.0	692.7	3.11	6.19	2.89	YES	
I10W015	0	0.10000E+01	512813.5	3753895.0	692.9	3.11	6.19	2.89	YES	
I10W016	0	0.10000E+01	512800.1	3753894.9	693.2	3.11	6.19	2.89	YES	
I10W017	0	0.10000E+01	512786.8	3753894.9	693.5	3.11	6.19	2.89	YES	
I10W018	0	0.10000E+01	512773.5	3753894.9	693.7	3.11	6.19	2.89	YES	
I10W019	0	0.10000E+01	512760.2	3753894.8	693.9	3.11	6.19	2.89	YES	
I10W020	0	0.10000E+01	512746.9	3753894.8	694.1	3.11	6.19	2.89	YES	
I10W021	0	0.10000E+01	512733.6	3753894.7	694.2	3.11	6.19	2.89	YES	
I10W022	0	0.10000E+01	512720.2	3753894.7	694.4	3.11	6.19	2.89	YES	
I10W023	0	0.10000E+01	512706.9	3753894.6	694.5	3.11	6.19	2.89	YES	
I10W024	0	0.10000E+01	512693.6	3753894.6	694.8	3.11	6.19	2.89	YES	
I10W025	0	0.10000E+01	512680.3	3753894.6	694.9	3.11	6.19	2.89	YES	
I10W026	0	0.10000E+01	512667.0	3753894.5	695.0	3.11	6.19	2.89	YES	
I10W027	0	0.10000E+01	512653.7	3753894.5	695.1	3.11	6.19	2.89	YES	
I10W028	0	0.10000E+01	512640.4	3753894.4	695.3	3.11	6.19	2.89	YES	
I10W029	0	0.10000E+01	512627.0	3753894.4	695.7	3.11	6.19	2.89	YES	
I10W030	0	0.10000E+01	512613.7	3753894.3	696.1	3.11	6.19	2.89	YES	
I10W031	0	0.10000E+01	512600.4	3753894.3	696.6	3.11	6.19	2.89	YES	
I10W032	0	0.10000E+01	512587.1	3753894.3	696.9	3.11	6.19	2.89	YES	
I10W033	0	0.10000E+01	512573.8	3753894.2	697.2	3.11	6.19	2.89	YES	
I10W034	0	0.10000E+01	512560.5	3753894.2	697.5	3.11	6.19	2.89	YES	
I10W035	0	0.10000E+01	512547.1	3753894.1	697.8	3.11	6.19	2.89	YES	
I10W036	0	0.10000E+01	512533.8	3753894.1	698.0	3.11	6.19	2.89	YES	
I10W037	0	0.10000E+01	512520.5	3753894.0	698.3	3.11	6.19	2.89	YES	
I10W038	0	0.10000E+01	512507.2	3753894.0	698.5	3.11	6.19	2.89	YES	
I10W039	0	0.10000E+01	512493.9	3753894.0	698.8	3.11	6.19	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
I10W040	0	0.10000E+01	512480.6	3753893.9	699.0	3.11	6.19	2.89	YES	
I10W041	0	0.10000E+01	512467.3	3753893.9	699.1	3.11	6.19	2.89	YES	
I10W042	0	0.10000E+01	512454.0	3753893.8	699.4	3.11	6.19	2.89	YES	
I10W043	0	0.10000E+01	512440.6	3753893.8	699.7	3.11	6.19	2.89	YES	
I10W044	0	0.10000E+01	512427.3	3753893.8	699.9	3.11	6.19	2.89	YES	
I10W045	0	0.10000E+01	512414.0	3753893.7	700.1	3.11	6.19	2.89	YES	
I10W046	0	0.10000E+01	512400.7	3753893.7	700.3	3.11	6.19	2.89	YES	
I10W047	0	0.10000E+01	512387.4	3753893.6	700.5	3.11	6.19	2.89	YES	
I10W048	0	0.10000E+01	512374.1	3753893.6	700.6	3.11	6.19	2.89	YES	
I10W049	0	0.10000E+01	512360.7	3753893.5	700.8	3.11	6.19	2.89	YES	
I10W050	0	0.10000E+01	512347.4	3753893.5	701.0	3.11	6.19	2.89	YES	
I10W051	0	0.10000E+01	512334.1	3753893.5	701.4	3.11	6.19	2.89	YES	
I10W052	0	0.10000E+01	512320.8	3753893.4	701.5	3.11	6.19	2.89	YES	
I10W053	0	0.10000E+01	512307.5	3753893.4	701.7	3.11	6.19	2.89	YES	
I10W054	0	0.10000E+01	512294.2	3753893.3	701.8	3.11	6.19	2.89	YES	
I10W055	0	0.10000E+01	512280.8	3753893.3	702.0	3.11	6.19	2.89	YES	
I10W056	0	0.10000E+01	512267.5	3753893.2	702.2	3.11	6.19	2.89	YES	
I10W057	0	0.10000E+01	512254.2	3753893.2	702.4	3.11	6.19	2.89	YES	
I10W058	0	0.10000E+01	512240.9	3753893.2	702.6	3.11	6.19	2.89	YES	
I10W059	0	0.10000E+01	512227.6	3753893.1	702.9	3.11	6.19	2.89	YES	
I10W060	0	0.10000E+01	512214.3	3753893.1	703.1	3.11	6.19	2.89	YES	
I10W061	0	0.10000E+01	512202.3	3753891.7	703.2	3.11	6.19	2.89	YES	
I10W062	0	0.10000E+01	512202.5	3753878.4	702.8	3.11	6.19	2.89	YES	
I10W063	0	0.10000E+01	512202.8	3753865.1	702.4	3.11	6.19	2.89	YES	
I10W064	0	0.10000E+01	512203.0	3753851.8	701.9	3.11	6.19	2.89	YES	
I10W065	0	0.10000E+01	512203.2	3753838.4	701.5	3.11	6.19	2.89	YES	
I10W066	0	0.10000E+01	512203.4	3753825.1	701.0	3.11	6.19	2.89	YES	
I10W067	0	0.10000E+01	512203.0	3753812.3	700.6	3.11	6.19	2.89	YES	
I10W068	0	0.10000E+01	512189.7	3753811.7	700.7	3.11	6.19	2.89	YES	
I10W069	0	0.10000E+01	512176.4	3753811.1	700.9	3.11	6.19	2.89	YES	
I10W070	0	0.10000E+01	512163.1	3753810.5	701.2	3.11	6.19	2.89	YES	
I10W071	0	0.10000E+01	512149.8	3753810.0	701.4	3.11	6.19	2.89	YES	
I10W072	0	0.10000E+01	512136.5	3753809.4	701.6	3.11	6.19	2.89	YES	
I10W073	0	0.10000E+01	512123.2	3753808.8	701.8	3.11	6.19	2.89	YES	
I10W074	0	0.10000E+01	512109.9	3753808.2	702.0	3.11	6.19	2.89	YES	
I10W075	0	0.10000E+01	512096.6	3753807.6	702.3	3.11	6.19	2.89	YES	
I10W076	0	0.10000E+01	512083.3	3753807.0	702.5	3.11	6.19	2.89	YES	
I10W077	0	0.10000E+01	512070.0	3753806.4	702.7	3.11	6.19	2.89	YES	
I10W078	0	0.10000E+01	512056.7	3753805.8	702.9	3.11	6.19	2.89	YES	
I10W079	0	0.10000E+01	512043.4	3753805.2	703.1	3.11	6.19	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
I10W080	0	0.10000E+01	512030.1	3753804.6	703.3	3.11	6.19	2.89	YES	
I10W081	0	0.10000E+01	512016.8	3753804.0	703.5	3.11	6.19	2.89	YES	
I10W082	0	0.10000E+01	512003.5	3753803.4	703.7	3.11	6.19	2.89	YES	
I10W083	0	0.10000E+01	511990.2	3753802.8	704.0	3.11	6.19	2.89	YES	
I10W084	0	0.10000E+01	511976.9	3753802.2	704.2	3.11	6.19	2.89	YES	
I10W085	0	0.10000E+01	511963.6	3753801.6	704.5	3.11	6.19	2.89	YES	
I10W086	0	0.10000E+01	511950.3	3753801.1	704.7	3.11	6.19	2.89	YES	
I10W087	0	0.10000E+01	511937.0	3753800.5	705.0	3.11	6.19	2.89	YES	
I10W088	0	0.10000E+01	511923.7	3753799.9	705.3	3.11	6.19	2.89	YES	
I10W089	0	0.10000E+01	511910.4	3753799.3	705.5	3.11	6.19	2.89	YES	
I10W090	0	0.10000E+01	511897.1	3753798.7	705.7	3.11	6.19	2.89	YES	
I10W091	0	0.10000E+01	511883.8	3753798.1	705.9	3.11	6.19	2.89	YES	
I10W092	0	0.10000E+01	511870.5	3753797.5	706.1	3.11	6.19	2.89	YES	
I10W093	0	0.10000E+01	511857.2	3753796.9	706.3	3.11	6.19	2.89	YES	
I10W094	0	0.10000E+01	511843.9	3753796.3	706.5	3.11	6.19	2.89	YES	
I10W095	0	0.10000E+01	511830.6	3753795.7	706.7	3.11	6.19	2.89	YES	
I10W096	0	0.10000E+01	511817.3	3753795.1	706.9	3.11	6.19	2.89	YES	
I10W097	0	0.10000E+01	511804.0	3753794.5	707.1	3.11	6.19	2.89	YES	
I10W098	0	0.10000E+01	511790.7	3753793.9	707.3	3.11	6.19	2.89	YES	
I10W099	0	0.10000E+01	511777.4	3753793.3	707.6	3.11	6.19	2.89	YES	
I10W100	0	0.10000E+01	511764.1	3753792.8	707.9	3.11	6.19	2.89	YES	
I10W101	0	0.10000E+01	511750.8	3753792.2	708.2	3.11	6.19	2.89	YES	
I10W102	0	0.10000E+01	511737.5	3753791.6	708.5	3.11	6.19	2.89	YES	
I10W103	0	0.10000E+01	511724.2	3753791.0	708.8	3.11	6.19	2.89	YES	
I10W104	0	0.10000E+01	511710.9	3753790.4	709.2	3.11	6.19	2.89	YES	
I10W105	0	0.10000E+01	511697.6	3753789.8	709.5	3.11	6.19	2.89	YES	
I10W106	0	0.10000E+01	511684.3	3753789.2	709.7	3.11	6.19	2.89	YES	
I10W107	0	0.10000E+01	511671.0	3753788.6	709.8	3.11	6.19	2.89	YES	
I10W108	0	0.10000E+01	511657.7	3753788.0	709.9	3.11	6.19	2.89	YES	
I10W109	0	0.10000E+01	511644.4	3753787.4	710.0	3.11	6.19	2.89	YES	
I10W110	0	0.10000E+01	511631.0	3753786.8	710.1	3.11	6.19	2.89	YES	
I10W111	0	0.10000E+01	511617.8	3753786.2	710.3	3.11	6.19	2.89	YES	
I10W112	0	0.10000E+01	511604.5	3753785.6	710.4	3.11	6.19	2.89	YES	
I10W113	0	0.10000E+01	511591.1	3753785.0	710.5	3.11	6.19	2.89	YES	
I10W114	0	0.10000E+01	511577.8	3753784.4	710.6	3.11	6.19	2.89	YES	
I10W115	0	0.10000E+01	511564.5	3753783.8	710.8	3.11	6.19	2.89	YES	
I10W116	0	0.10000E+01	511551.2	3753783.3	710.9	3.11	6.19	2.89	YES	
I10W117	0	0.10000E+01	511537.9	3753782.7	711.1	3.11	6.19	2.89	YES	
I10W118	0	0.10000E+01	511524.6	3753782.1	711.2	3.11	6.19	2.89	YES	
I10E01	0	0.10000E+01	513017.0	3753894.2	688.0	3.11	6.19	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
I10E02	0	0.10000E+01	513030.3	3753894.0	687.8	3.11	6.19	2.89	YES	
I10E03	0	0.10000E+01	513043.6	3753893.8	687.5	3.11	6.19	2.89	YES	
I10E04	0	0.10000E+01	513057.0	3753893.5	687.1	3.11	6.19	2.89	YES	
I10E05	0	0.10000E+01	513070.3	3753893.3	686.7	3.11	6.19	2.89	YES	
I10E06	0	0.10000E+01	513083.6	3753893.1	686.3	3.11	6.19	2.89	YES	
I10E07	0	0.10000E+01	513096.9	3753892.9	685.9	3.11	6.19	2.89	YES	
I10E08	0	0.10000E+01	513110.2	3753892.6	685.6	3.11	6.19	2.89	YES	
I10E09	0	0.10000E+01	513123.5	3753892.4	685.2	3.11	6.19	2.89	YES	
I10E10	0	0.10000E+01	513136.8	3753892.2	685.0	3.11	6.19	2.89	YES	
I10E11	0	0.10000E+01	513150.2	3753892.0	684.8	3.11	6.19	2.89	YES	
I10E12	0	0.10000E+01	513163.5	3753891.8	684.5	3.11	6.19	2.89	YES	
I10E13	0	0.10000E+01	513176.8	3753891.5	684.3	3.11	6.19	2.89	YES	
I10E14	0	0.10000E+01	513190.1	3753891.3	684.0	3.11	6.19	2.89	YES	
I10E15	0	0.10000E+01	513203.4	3753891.1	683.5	3.11	6.19	2.89	YES	
I10E16	0	0.10000E+01	513216.7	3753890.9	683.1	3.11	6.19	2.89	YES	
I10E17	0	0.10000E+01	513230.0	3753890.6	682.8	3.11	6.19	2.89	YES	
I10E18	0	0.10000E+01	513243.2	3753891.6	682.5	3.11	6.19	2.89	YES	
I10E19	0	0.10000E+01	513255.9	3753895.5	682.4	3.11	6.19	2.89	YES	
I10E20	0	0.10000E+01	513268.6	3753899.5	682.2	3.11	6.19	2.89	YES	
I10E21	0	0.10000E+01	513281.3	3753903.4	682.0	3.11	6.19	2.89	YES	
I10E22	0	0.10000E+01	513294.0	3753907.4	681.9	3.11	6.19	2.89	YES	
I10E23	0	0.10000E+01	513306.8	3753911.3	681.8	3.11	6.19	2.89	YES	
I10E24	0	0.10000E+01	513319.5	3753915.3	681.5	3.11	6.19	2.89	YES	
I10E25	0	0.10000E+01	513332.2	3753919.2	681.3	3.11	6.19	2.89	YES	
I10E26	0	0.10000E+01	513344.9	3753923.2	681.1	3.11	6.19	2.89	YES	
I10E27	0	0.10000E+01	513357.6	3753927.1	680.9	3.11	6.19	2.89	YES	
I10E28	0	0.10000E+01	513370.3	3753931.0	680.6	3.11	6.19	2.89	YES	
I10E29	0	0.10000E+01	513383.1	3753935.0	680.4	3.11	6.19	2.89	YES	
I10E30	0	0.10000E+01	513395.8	3753938.9	680.1	3.11	6.19	2.89	YES	
I10E31	0	0.10000E+01	513408.5	3753942.9	679.9	3.11	6.19	2.89	YES	
I10E32	0	0.10000E+01	513421.2	3753946.8	679.6	3.11	6.19	2.89	YES	
I10E33	0	0.10000E+01	513432.4	3753953.7	679.5	3.11	6.19	2.89	YES	
I10E34	0	0.10000E+01	513442.9	3753961.9	679.3	3.11	6.19	2.89	YES	
I10E35	0	0.10000E+01	513453.4	3753970.1	679.2	3.11	6.19	2.89	YES	
I10E36	0	0.10000E+01	513463.9	3753978.3	679.0	3.11	6.19	2.89	YES	
I10E37	0	0.10000E+01	513474.4	3753986.5	678.8	3.11	6.19	2.89	YES	
I10E38	0	0.10000E+01	513484.9	3753994.7	678.7	3.11	6.19	2.89	YES	
I10E39	0	0.10000E+01	513495.3	3754002.9	678.5	3.11	6.19	2.89	YES	
I10E40	0	0.10000E+01	513505.8	3754011.1	678.4	3.11	6.19	2.89	YES	
I10E41	0	0.10000E+01	513516.3	3754019.3	678.3	3.11	6.19	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
I10E42	0	0.10000E+01	513526.8	3754027.5	678.2	3.11	6.19	2.89	YES	
I10E43	0	0.10000E+01	513537.3	3754035.7	678.2	3.11	6.19	2.89	YES	
I10E44	0	0.10000E+01	513547.8	3754043.9	678.1	3.11	6.19	2.89	YES	
I10E45	0	0.10000E+01	513559.1	3754050.3	678.0	3.11	6.19	2.89	YES	
I10E46	0	0.10000E+01	513572.1	3754053.2	677.8	3.11	6.19	2.89	YES	
I10E47	0	0.10000E+01	513585.1	3754056.2	677.6	3.11	6.19	2.89	YES	
I10E48	0	0.10000E+01	513598.1	3754059.1	677.4	3.11	6.19	2.89	YES	
I10E49	0	0.10000E+01	513611.1	3754062.1	677.2	3.11	6.19	2.89	YES	
I10E50	0	0.10000E+01	513624.1	3754065.0	676.9	3.11	6.19	2.89	YES	
I10E51	0	0.10000E+01	513637.1	3754068.0	676.7	3.11	6.19	2.89	YES	
I10E52	0	0.10000E+01	513650.0	3754070.9	676.4	3.11	6.19	2.89	YES	
I10E53	0	0.10000E+01	513663.0	3754073.9	676.1	3.11	6.19	2.89	YES	
I10E54	0	0.10000E+01	513676.0	3754076.8	675.8	3.11	6.19	2.89	YES	
I10E55	0	0.10000E+01	513689.0	3754079.8	675.5	3.11	6.19	2.89	YES	
I10E56	0	0.10000E+01	513702.0	3754082.7	675.2	3.11	6.19	2.89	YES	
I10E57	0	0.10000E+01	513715.0	3754085.6	675.0	3.11	6.19	2.89	YES	
I10E58	0	0.10000E+01	513728.0	3754088.6	674.6	3.11	6.19	2.89	YES	
I10E59	0	0.10000E+01	513740.9	3754091.5	674.4	3.11	6.19	2.89	YES	
I10E60	0	0.10000E+01	513753.9	3754094.5	674.1	3.11	6.19	2.89	YES	
I10E61	0	0.10000E+01	513766.9	3754097.4	673.9	3.11	6.19	2.89	YES	
I10E62	0	0.10000E+01	513779.9	3754100.4	673.7	3.11	6.19	2.89	YES	
I10E63	0	0.10000E+01	513792.9	3754103.3	673.5	3.11	6.19	2.89	YES	
I10E64	0	0.10000E+01	513805.9	3754106.3	673.4	3.11	6.19	2.89	YES	
I10E65	0	0.10000E+01	513818.8	3754109.2	673.1	3.11	6.19	2.89	YES	
I10E66	0	0.10000E+01	513831.8	3754112.2	672.9	3.11	6.19	2.89	YES	
I10E67	0	0.10000E+01	513844.8	3754115.1	672.6	3.11	6.19	2.89	YES	
I10E68	0	0.10000E+01	513857.8	3754118.1	672.3	3.11	6.19	2.89	YES	
I10E69	0	0.10000E+01	513870.8	3754121.0	671.8	3.11	6.19	2.89	YES	
I10E70	0	0.10000E+01	513883.8	3754124.0	671.3	3.11	6.19	2.89	YES	
I10E71	0	0.10000E+01	513896.8	3754126.9	671.0	3.11	6.19	2.89	YES	
I10E72	0	0.10000E+01	513909.7	3754129.8	670.9	3.11	6.19	2.89	YES	
I10E73	0	0.10000E+01	513922.7	3754132.8	670.8	3.11	6.19	2.89	YES	
I10E74	0	0.10000E+01	513935.7	3754135.7	670.8	3.11	6.19	2.89	YES	
I10E75	0	0.10000E+01	513948.7	3754138.7	670.6	3.11	6.19	2.89	YES	
I10E76	0	0.10000E+01	513961.7	3754141.6	670.4	3.11	6.19	2.89	YES	
I10E77	0	0.10000E+01	513974.7	3754144.6	670.3	3.11	6.19	2.89	YES	
I10E78	0	0.10000E+01	513987.6	3754147.5	670.0	3.11	6.19	2.89	YES	
I10E79	0	0.10000E+01	514000.6	3754150.5	669.8	3.11	6.19	2.89	YES	
I10E80	0	0.10000E+01	514013.6	3754153.4	669.5	3.11	6.19	2.89	YES	
I10E81	0	0.10000E+01	514026.6	3754156.4	669.1	3.11	6.19	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
I10E82	0	0.10000E+01	514039.6	3754159.3	668.8	3.11	6.19	2.89	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: IDLE01

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	651.0,	351.0,	-248.0,	-272.7,	2	13.7,	665.2,	443.7,	-246.0,	-281.7,
3	13.7,	659.2,	522.9,	-236.5,	-282.1,	4	13.7,	633.1,	586.3,	-219.8,	-273.9,
5	13.7,	587.8,	631.8,	-196.5,	-257.4,	6	13.7,	524.6,	658.2,	-167.1,	-233.0,
7	13.7,	445.6,	664.5,	-132.8,	-201.6,	8	13.7,	352.9,	650.7,	-94.3,	-164.1,
9	13.7,	255.5,	617.0,	-53.0,	-119.6,	10	13.7,	351.0,	651.0,	-52.8,	-72.5,
11	13.7,	443.7,	665.2,	-50.9,	-24.1,	12	13.7,	522.9,	659.2,	-47.5,	25.0,
13	13.7,	586.3,	633.1,	-42.7,	73.3,	14	13.7,	631.8,	587.8,	-36.5,	119.5,
15	13.7,	658.2,	524.6,	-29.3,	162.0,	16	13.7,	664.5,	445.6,	-21.2,	199.5,
17	13.7,	650.7,	352.9,	-12.4,	231.0,	18	13.7,	617.0,	255.5,	-8.1,	255.5,
19	13.7,	651.0,	351.0,	-103.0,	272.7,	20	13.7,	665.2,	443.7,	-197.8,	281.7,
21	13.7,	659.2,	522.9,	-286.5,	282.1,	22	13.7,	633.1,	586.3,	-366.5,	273.9,
23	13.7,	587.8,	631.8,	-435.4,	257.4,	24	13.7,	524.6,	658.2,	-491.0,	233.0,
25	13.7,	445.6,	664.5,	-531.8,	201.6,	26	13.7,	352.9,	650.7,	-556.3,	164.1,
27	13.7,	255.5,	617.0,	-564.0,	119.6,	28	13.7,	351.0,	651.0,	-598.2,	72.5,
29	13.7,	443.7,	665.2,	-614.3,	24.1,	30	13.7,	522.9,	659.2,	-611.6,	-25.0,
31	13.7,	586.3,	633.1,	-590.4,	-73.3,	32	13.7,	631.8,	587.8,	-551.3,	-119.5,
33	13.7,	658.2,	524.6,	-495.4,	-162.0,	34	13.7,	664.5,	445.6,	-424.4,	-199.5,
35	13.7,	650.7,	352.9,	-340.6,	-231.0,	36	13.7,	617.0,	255.5,	-247.3,	-255.5,

SOURCE ID: IDLE02

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	651.0,	351.0,	-250.0,	-261.1,	2	13.7,	665.2,	443.7,	-250.0,	-270.6,
3	13.7,	659.2,	522.9,	-242.4,	-271.8,	4	13.7,	633.1,	586.3,	-227.4,	-264.8,
5	13.7,	587.8,	631.8,	-205.5,	-249.8,	6	13.7,	524.6,	658.2,	-177.4,	-227.1,
7	13.7,	445.6,	664.5,	-143.8,	-197.6,	8	13.7,	352.9,	650.7,	-105.9,	-162.0,
9	13.7,	255.5,	617.0,	-64.8,	-119.6,	10	13.7,	351.0,	651.0,	-64.4,	-74.5,
11	13.7,	443.7,	665.2,	-62.0,	-28.1,	12	13.7,	522.9,	659.2,	-57.8,	19.1,
13	13.7,	586.3,	633.1,	-51.7,	65.8,	14	13.7,	631.8,	587.8,	-44.1,	110.4,
15	13.7,	658.2,	524.6,	-35.2,	151.7,	16	13.7,	664.5,	445.6,	-25.2,	188.4,
17	13.7,	650.7,	352.9,	-14.4,	219.4,	18	13.7,	617.0,	255.5,	-8.1,	243.7,
19	13.7,	651.0,	351.0,	-101.0,	261.1,	20	13.7,	665.2,	443.7,	-193.7,	270.6,
21	13.7,	659.2,	522.9,	-280.6,	271.8,	22	13.7,	633.1,	586.3,	-358.9,	264.8,
23	13.7,	587.8,	631.8,	-426.3,	249.8,	24	13.7,	524.6,	658.2,	-480.8,	227.1,
25	13.7,	445.6,	664.5,	-520.7,	197.6,	26	13.7,	352.9,	650.7,	-544.7,	162.0,
27	13.7,	255.5,	617.0,	-552.2,	119.6,	28	13.7,	351.0,	651.0,	-586.6,	74.5,
29	13.7,	443.7,	665.2,	-603.2,	28.1,	30	13.7,	522.9,	659.2,	-601.4,	-19.1,
31	13.7,	586.3,	633.1,	-581.4,	-65.8,	32	13.7,	631.8,	587.8,	-543.7,	-110.4,
33	13.7,	658.2,	524.6,	-489.5,	-151.7,	34	13.7,	664.5,	445.6,	-420.4,	-188.4,
35	13.7,	650.7,	352.9,	-338.5,	-219.4,	36	13.7,	617.0,	255.5,	-247.3,	-243.7,

SOURCE ID: IDLE03

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	651.0,	351.0,	-252.1,	-249.5,	2	13.7,	665.2,	443.7,	-254.0,	-259.5,
3	13.7,	659.2,	522.9,	-248.3,	-261.6,	4	13.7,	633.1,	586.3,	-235.0,	-255.8,
5	13.7,	587.8,	631.8,	-214.5,	-242.2,	6	13.7,	524.6,	658.2,	-187.6,	-221.2,
7	13.7,	445.6,	664.5,	-154.9,	-193.6,	8	13.7,	352.9,	650.7,	-117.6,	-160.0,

9	13.7,	255.5,	617.0,	-76.6,	-119.6,	10	13.7,	351.0,	651.0,	-76.0,	-76.6,
11	13.7,	443.7,	665.2,	-73.1,	-32.2,	12	13.7,	522.9,	659.2,	-68.0,	13.2,
13	13.7,	586.3,	633.1,	-60.8,	58.2,	14	13.7,	631.8,	587.8,	-51.7,	101.4,
15	13.7,	658.2,	524.6,	-41.1,	141.5,	16	13.7,	664.5,	445.6,	-29.2,	177.3,
17	13.7,	650.7,	352.9,	-16.5,	207.8,	18	13.7,	617.0,	255.5,	-8.1,	231.9,
19	13.7,	651.0,	351.0,	-98.9,	249.5,	20	13.7,	665.2,	443.7,	-189.7,	259.5,
21	13.7,	659.2,	522.9,	-274.7,	261.6,	22	13.7,	633.1,	586.3,	-351.3,	255.8,
23	13.7,	587.8,	631.8,	-417.3,	242.2,	24	13.7,	524.6,	658.2,	-470.6,	221.2,
25	13.7,	445.6,	664.5,	-509.6,	193.6,	26	13.7,	352.9,	650.7,	-533.1,	160.0,
27	13.7,	255.5,	617.0,	-540.4,	119.6,	28	13.7,	351.0,	651.0,	-575.0,	76.6,
29	13.7,	443.7,	665.2,	-592.1,	32.2,	30	13.7,	522.9,	659.2,	-591.2,	-13.2,
31	13.7,	586.3,	633.1,	-572.3,	-58.2,	32	13.7,	631.8,	587.8,	-536.1,	-101.4,
33	13.7,	658.2,	524.6,	-483.6,	-141.5,	34	13.7,	664.5,	445.6,	-416.3,	-177.3,
35	13.7,	650.7,	352.9,	-336.5,	-207.8,	36	13.7,	617.0,	255.5,	-247.3,	-231.9,

SOURCE ID: IDLE04

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	13.7,	651.0,	351.0,	-254.1,	-237.9,	2	13.7,	665.2,	443.7,	-258.1,	-248.4,
3	13.7,	659.2,	522.9,	-254.2,	-251.4,	4	13.7,	633.1,	586.3,	-242.6,	-246.8,
5	13.7,	587.8,	631.8,	-223.6,	-234.6,	6	13.7,	524.6,	658.2,	-197.8,	-215.3,
7	13.7,	445.6,	664.5,	-166.0,	-189.5,	8	13.7,	352.9,	650.7,	-129.2,	-158.0,
9	13.7,	255.5,	617.0,	-88.4,	-119.6,	10	13.7,	351.0,	651.0,	-87.6,	-78.6,
11	13.7,	443.7,	665.2,	-84.2,	-36.2,	12	13.7,	522.9,	659.2,	-78.2,	7.3,
13	13.7,	586.3,	633.1,	-69.8,	50.6,	14	13.7,	631.8,	587.8,	-59.3,	92.3,
15	13.7,	658.2,	524.6,	-47.0,	131.3,	16	13.7,	664.5,	445.6,	-33.3,	166.2,
17	13.7,	650.7,	352.9,	-18.5,	196.2,	18	13.7,	617.0,	255.5,	-8.1,	220.1,
19	13.7,	651.0,	351.0,	-96.9,	237.9,	20	13.7,	665.2,	443.7,	-185.7,	248.4,
21	13.7,	659.2,	522.9,	-268.8,	251.4,	22	13.7,	633.1,	586.3,	-343.7,	246.8,
23	13.7,	587.8,	631.8,	-408.3,	234.6,	24	13.7,	524.6,	658.2,	-460.4,	215.3,
25	13.7,	445.6,	664.5,	-498.5,	189.5,	26	13.7,	352.9,	650.7,	-521.5,	158.0,
27	13.7,	255.5,	617.0,	-528.6,	119.6,	28	13.7,	351.0,	651.0,	-563.4,	78.6,
29	13.7,	443.7,	665.2,	-581.0,	36.2,	30	13.7,	522.9,	659.2,	-581.0,	-7.3,
31	13.7,	586.3,	633.1,	-563.3,	-50.6,	32	13.7,	631.8,	587.8,	-528.5,	-92.3,
33	13.7,	658.2,	524.6,	-477.7,	-131.3,	34	13.7,	664.5,	445.6,	-412.3,	-166.2,
35	13.7,	650.7,	352.9,	-334.4,	-196.2,	36	13.7,	617.0,	255.5,	-247.3,	-220.1,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	511510.8,	3754099.7,	718.5,	718.5,	0.0);	(511535.8,	3754099.7,	718.3,	718.3,	0.0);
(	511560.8,	3754099.7,	718.0,	718.0,	0.0);	(511585.8,	3754099.7,	717.6,	717.6,	0.0);
(	511610.8,	3754099.7,	717.2,	717.2,	0.0);	(511635.8,	3754099.7,	716.9,	716.9,	0.0);
(	511660.8,	3754099.7,	716.7,	716.7,	0.0);	(511685.8,	3754099.7,	716.3,	716.3,	0.0);
(	511710.8,	3754099.7,	716.0,	716.0,	0.0);	(511735.8,	3754099.7,	715.8,	715.8,	0.0);
(	511760.8,	3754099.7,	715.4,	715.4,	0.0);	(511785.8,	3754099.7,	715.0,	715.0,	0.0);
(	511810.8,	3754099.7,	714.6,	714.6,	0.0);	(511835.8,	3754099.7,	714.3,	714.3,	0.0);
(	511860.8,	3754099.7,	713.9,	713.9,	0.0);	(511885.8,	3754099.7,	713.6,	713.6,	0.0);
(	511910.8,	3754099.7,	713.2,	713.2,	0.0);	(511935.8,	3754099.7,	712.9,	712.9,	0.0);
(	511960.8,	3754099.7,	712.5,	712.5,	0.0);	(511985.8,	3754099.7,	712.3,	712.3,	0.0);
(	512010.8,	3754099.7,	711.9,	711.9,	0.0);	(512035.8,	3754099.7,	711.6,	711.6,	0.0);
(	512060.8,	3754099.7,	711.2,	711.2,	0.0);	(512085.8,	3754099.7,	710.9,	710.9,	0.0);
(	512110.8,	3754099.7,	710.5,	710.5,	0.0);	(512135.8,	3754099.7,	710.1,	710.1,	0.0);
(	512160.8,	3754099.7,	709.7,	709.7,	0.0);	(512185.8,	3754099.7,	709.3,	709.3,	0.0);
(	512210.8,	3754099.7,	709.0,	709.0,	0.0);	(512235.8,	3754099.7,	708.4,	708.4,	0.0);
(	512260.8,	3754099.7,	707.8,	707.8,	0.0);	(512285.8,	3754099.7,	707.5,	707.5,	0.0);
(	512310.8,	3754099.7,	707.2,	707.2,	0.0);	(512335.8,	3754099.7,	706.9,	706.9,	0.0);
(	512360.8,	3754099.7,	706.5,	706.5,	0.0);	(512385.8,	3754099.7,	706.2,	706.2,	0.0);
(	512410.8,	3754099.7,	705.8,	705.8,	0.0);	(512435.8,	3754099.7,	705.4,	705.4,	0.0);
(	512460.8,	3754099.7,	705.0,	705.0,	0.0);	(512485.8,	3754099.7,	704.5,	704.5,	0.0);
(	512510.8,	3754099.7,	704.1,	704.1,	0.0);	(512535.8,	3754099.7,	703.5,	703.5,	0.0);
(	512560.8,	3754099.7,	703.0,	703.0,	0.0);	(512585.8,	3754099.7,	702.6,	702.6,	0.0);
(	512610.8,	3754099.7,	702.1,	702.1,	0.0);	(512635.8,	3754099.7,	701.6,	701.6,	0.0);
(	512660.8,	3754099.7,	701.1,	701.1,	0.0);	(512685.8,	3754099.7,	700.8,	700.8,	0.0);
(	512710.8,	3754099.7,	700.3,	700.3,	0.0);	(512735.8,	3754099.7,	699.9,	699.9,	0.0);
(	512760.8,	3754099.7,	699.4,	699.4,	0.0);	(512785.8,	3754099.7,	699.0,	699.0,	0.0);
(	512810.8,	3754099.7,	698.6,	698.6,	0.0);	(512835.8,	3754099.7,	698.2,	698.2,	0.0);
(	512860.8,	3754099.7,	697.7,	697.7,	0.0);	(512885.8,	3754099.7,	697.2,	697.2,	0.0);
(	512910.8,	3754099.7,	696.7,	696.7,	0.0);	(512935.8,	3754099.7,	696.0,	696.0,	0.0);
(	512960.8,	3754099.7,	695.4,	695.4,	0.0);	(512985.8,	3754099.7,	694.8,	694.8,	0.0);
(	511510.8,	3754124.7,	719.1,	719.1,	0.0);	(511535.8,	3754124.7,	718.9,	718.9,	0.0);
(	511560.8,	3754124.7,	718.6,	718.6,	0.0);	(511585.8,	3754124.7,	718.2,	718.2,	0.0);
(	511610.8,	3754124.7,	717.9,	717.9,	0.0);	(511635.8,	3754124.7,	717.5,	717.5,	0.0);
(	511660.8,	3754124.7,	717.3,	717.3,	0.0);	(511685.8,	3754124.7,	717.0,	717.0,	0.0);
(	511710.8,	3754124.7,	716.7,	716.7,	0.0);	(511735.8,	3754124.7,	716.4,	716.4,	0.0);
(	511760.8,	3754124.7,	716.1,	716.1,	0.0);	(511785.8,	3754124.7,	715.6,	715.6,	0.0);
(	511810.8,	3754124.7,	715.3,	715.3,	0.0);	(511835.8,	3754124.7,	714.9,	714.9,	0.0);
(	511860.8,	3754124.7,	714.7,	714.7,	0.0);	(511885.8,	3754124.7,	714.4,	714.4,	0.0);
(	511910.8,	3754124.7,	713.9,	713.9,	0.0);	(511935.8,	3754124.7,	713.6,	713.6,	0.0);
(	511960.8,	3754124.7,	713.3,	713.3,	0.0);	(511985.8,	3754124.7,	712.9,	712.9,	0.0);
(	512010.8,	3754124.7,	712.6,	712.6,	0.0);	(512035.8,	3754124.7,	712.3,	712.3,	0.0);
(	512060.8,	3754124.7,	711.9,	711.9,	0.0);	(512085.8,	3754124.7,	711.6,	711.6,	0.0);
(	512110.8,	3754124.7,	711.2,	711.2,	0.0);	(512135.8,	3754124.7,	710.8,	710.8,	0.0);
(	512160.8,	3754124.7,	710.5,	710.5,	0.0);	(512185.8,	3754124.7,	710.0,	710.0,	0.0);
(	512210.8,	3754124.7,	709.6,	709.6,	0.0);	(512235.8,	3754124.7,	709.0,	709.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512260.8,	3754124.7,	708.5,	708.5,	0.0);	(512285.8,	3754124.7,	708.2,	708.2,	0.0);
(	512310.8,	3754124.7,	708.0,	708.0,	0.0);	(512335.8,	3754124.7,	707.7,	707.7,	0.0);
(	512360.8,	3754124.7,	707.4,	707.4,	0.0);	(512385.8,	3754124.7,	707.0,	707.0,	0.0);
(	512410.8,	3754124.7,	706.6,	706.6,	0.0);	(512435.8,	3754124.7,	706.2,	706.2,	0.0);
(	512460.8,	3754124.7,	705.7,	705.7,	0.0);	(512485.8,	3754124.7,	705.3,	705.3,	0.0);
(	512510.8,	3754124.7,	704.8,	704.8,	0.0);	(512535.8,	3754124.7,	704.3,	704.3,	0.0);
(	512560.8,	3754124.7,	703.8,	703.8,	0.0);	(512585.8,	3754124.7,	703.4,	703.4,	0.0);
(	512610.8,	3754124.7,	702.9,	702.9,	0.0);	(512635.8,	3754124.7,	702.3,	702.3,	0.0);
(	512660.8,	3754124.7,	701.8,	701.8,	0.0);	(512685.8,	3754124.7,	701.4,	701.4,	0.0);
(	512710.8,	3754124.7,	700.9,	700.9,	0.0);	(512735.8,	3754124.7,	700.5,	700.5,	0.0);
(	512760.8,	3754124.7,	700.1,	700.1,	0.0);	(512785.8,	3754124.7,	699.7,	699.7,	0.0);
(	512810.8,	3754124.7,	699.2,	699.2,	0.0);	(512835.8,	3754124.7,	698.8,	698.8,	0.0);
(	512860.8,	3754124.7,	698.3,	698.3,	0.0);	(512885.8,	3754124.7,	697.8,	697.8,	0.0);
(	512910.8,	3754124.7,	697.2,	697.2,	0.0);	(512935.8,	3754124.7,	696.7,	696.7,	0.0);
(	512960.8,	3754124.7,	696.2,	696.2,	0.0);	(512985.8,	3754124.7,	695.6,	695.6,	0.0);
(	511510.8,	3754149.7,	719.8,	719.8,	0.0);	(511535.8,	3754149.7,	719.5,	719.5,	0.0);
(	511560.8,	3754149.7,	719.2,	719.2,	0.0);	(511585.8,	3754149.7,	718.8,	718.8,	0.0);
(	511610.8,	3754149.7,	718.5,	718.5,	0.0);	(511635.8,	3754149.7,	718.2,	718.2,	0.0);
(	511660.8,	3754149.7,	717.9,	717.9,	0.0);	(511685.8,	3754149.7,	717.7,	717.7,	0.0);
(	511710.8,	3754149.7,	717.3,	717.3,	0.0);	(511735.8,	3754149.7,	717.1,	717.1,	0.0);
(	511760.8,	3754149.7,	716.7,	716.7,	0.0);	(511785.8,	3754149.7,	716.3,	716.3,	0.0);
(	511810.8,	3754149.7,	716.0,	716.0,	0.0);	(511835.8,	3754149.7,	715.7,	715.7,	0.0);
(	511860.8,	3754149.7,	715.4,	715.4,	0.0);	(511885.8,	3754149.7,	715.0,	715.0,	0.0);
(	511910.8,	3754149.7,	714.6,	714.6,	0.0);	(511935.8,	3754149.7,	714.3,	714.3,	0.0);
(	511960.8,	3754149.7,	714.0,	714.0,	0.0);	(511985.8,	3754149.7,	713.7,	713.7,	0.0);
(	512010.8,	3754149.7,	713.3,	713.3,	0.0);	(512035.8,	3754149.7,	713.0,	713.0,	0.0);
(	512060.8,	3754149.7,	712.6,	712.6,	0.0);	(512085.8,	3754149.7,	712.3,	712.3,	0.0);
(	512110.8,	3754149.7,	711.9,	711.9,	0.0);	(512135.8,	3754149.7,	711.6,	711.6,	0.0);
(	512160.8,	3754149.7,	711.1,	711.1,	0.0);	(512185.8,	3754149.7,	710.7,	710.7,	0.0);
(	512210.8,	3754149.7,	710.2,	710.2,	0.0);	(512235.8,	3754149.7,	709.8,	709.8,	0.0);
(	512260.8,	3754149.7,	709.4,	709.4,	0.0);	(512285.8,	3754149.7,	709.1,	709.1,	0.0);
(	512310.8,	3754149.7,	708.7,	708.7,	0.0);	(512335.8,	3754149.7,	708.4,	708.4,	0.0);
(	512360.8,	3754149.7,	708.1,	708.1,	0.0);	(512385.8,	3754149.7,	707.7,	707.7,	0.0);
(	512410.8,	3754149.7,	707.3,	707.3,	0.0);	(512435.8,	3754149.7,	706.9,	706.9,	0.0);
(	512460.8,	3754149.7,	706.4,	706.4,	0.0);	(512485.8,	3754149.7,	705.9,	705.9,	0.0);
(	512510.8,	3754149.7,	705.4,	705.4,	0.0);	(512535.8,	3754149.7,	704.9,	704.9,	0.0);
(	512560.8,	3754149.7,	704.5,	704.5,	0.0);	(512585.8,	3754149.7,	704.0,	704.0,	0.0);
(	512610.8,	3754149.7,	703.5,	703.5,	0.0);	(512635.8,	3754149.7,	702.9,	702.9,	0.0);
(	512660.8,	3754149.7,	702.5,	702.5,	0.0);	(512685.8,	3754149.7,	702.1,	702.1,	0.0);
(	512710.8,	3754149.7,	701.6,	701.6,	0.0);	(512735.8,	3754149.7,	701.1,	701.1,	0.0);
(	512760.8,	3754149.7,	700.7,	700.7,	0.0);	(512785.8,	3754149.7,	700.3,	700.3,	0.0);
(	512810.8,	3754149.7,	699.8,	699.8,	0.0);	(512835.8,	3754149.7,	699.3,	699.3,	0.0);
(	512860.8,	3754149.7,	698.9,	698.9,	0.0);	(512885.8,	3754149.7,	698.4,	698.4,	0.0);
(	512910.8,	3754149.7,	697.8,	697.8,	0.0);	(512935.8,	3754149.7,	697.3,	697.3,	0.0);
(	512960.8,	3754149.7,	696.8,	696.8,	0.0);	(512985.8,	3754149.7,	696.2,	696.2,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(511510.8,	3754174.7,	720.4,	720.4,	0.0);	(511535.8,	3754174.7,	720.1,	720.1,	0.0);
(511560.8,	3754174.7,	719.8,	719.8,	0.0);	(511585.8,	3754174.7,	719.5,	719.5,	0.0);
(511610.8,	3754174.7,	719.2,	719.2,	0.0);	(511635.8,	3754174.7,	718.9,	718.9,	0.0);
(511660.8,	3754174.7,	718.6,	718.6,	0.0);	(511685.8,	3754174.7,	718.4,	718.4,	0.0);
(511710.8,	3754174.7,	718.1,	718.1,	0.0);	(511735.8,	3754174.7,	717.8,	717.8,	0.0);
(511760.8,	3754174.7,	717.4,	717.4,	0.0);	(511785.8,	3754174.7,	717.0,	717.0,	0.0);
(511810.8,	3754174.7,	716.7,	716.7,	0.0);	(511835.8,	3754174.7,	716.3,	716.3,	0.0);
(511860.8,	3754174.7,	716.0,	716.0,	0.0);	(511885.8,	3754174.7,	715.7,	715.7,	0.0);
(511910.8,	3754174.7,	715.4,	715.4,	0.0);	(511935.8,	3754174.7,	715.1,	715.1,	0.0);
(511960.8,	3754174.7,	714.7,	714.7,	0.0);	(511985.8,	3754174.7,	714.4,	714.4,	0.0);
(512010.8,	3754174.7,	714.1,	714.1,	0.0);	(512035.8,	3754174.7,	713.7,	713.7,	0.0);
(512060.8,	3754174.7,	713.3,	713.3,	0.0);	(512085.8,	3754174.7,	713.0,	713.0,	0.0);
(512110.8,	3754174.7,	712.6,	712.6,	0.0);	(512135.8,	3754174.7,	712.2,	712.2,	0.0);
(512160.8,	3754174.7,	711.9,	711.9,	0.0);	(512185.8,	3754174.7,	711.4,	711.4,	0.0);
(512210.8,	3754174.7,	711.0,	711.0,	0.0);	(512235.8,	3754174.7,	710.6,	710.6,	0.0);
(512260.8,	3754174.7,	710.2,	710.2,	0.0);	(512285.8,	3754174.7,	709.9,	709.9,	0.0);
(512310.8,	3754174.7,	709.6,	709.6,	0.0);	(512335.8,	3754174.7,	709.2,	709.2,	0.0);
(512360.8,	3754174.7,	708.9,	708.9,	0.0);	(512385.8,	3754174.7,	708.5,	708.5,	0.0);
(512410.8,	3754174.7,	708.1,	708.1,	0.0);	(512435.8,	3754174.7,	707.6,	707.6,	0.0);
(512460.8,	3754174.7,	707.2,	707.2,	0.0);	(512485.8,	3754174.7,	706.7,	706.7,	0.0);
(512510.8,	3754174.7,	706.2,	706.2,	0.0);	(512535.8,	3754174.7,	705.7,	705.7,	0.0);
(512560.8,	3754174.7,	705.2,	705.2,	0.0);	(512585.8,	3754174.7,	704.7,	704.7,	0.0);
(512610.8,	3754174.7,	704.2,	704.2,	0.0);	(512635.8,	3754174.7,	703.6,	703.6,	0.0);
(512660.8,	3754174.7,	703.2,	703.2,	0.0);	(512685.8,	3754174.7,	702.7,	702.7,	0.0);
(512710.8,	3754174.7,	702.2,	702.2,	0.0);	(512735.8,	3754174.7,	701.8,	701.8,	0.0);
(512760.8,	3754174.7,	701.4,	701.4,	0.0);	(512785.8,	3754174.7,	700.9,	700.9,	0.0);
(512810.8,	3754174.7,	700.4,	700.4,	0.0);	(512835.8,	3754174.7,	699.9,	699.9,	0.0);
(512860.8,	3754174.7,	699.5,	699.5,	0.0);	(512885.8,	3754174.7,	699.0,	699.0,	0.0);
(512910.8,	3754174.7,	698.5,	698.5,	0.0);	(512935.8,	3754174.7,	698.0,	698.0,	0.0);
(512960.8,	3754174.7,	697.6,	697.6,	0.0);	(512985.8,	3754174.7,	697.0,	697.0,	0.0);
(511510.8,	3754199.7,	721.0,	721.0,	0.0);	(511535.8,	3754199.7,	720.7,	720.7,	0.0);
(511560.8,	3754199.7,	720.4,	720.4,	0.0);	(511585.8,	3754199.7,	720.1,	720.1,	0.0);
(511610.8,	3754199.7,	719.8,	719.8,	0.0);	(511635.8,	3754199.7,	719.6,	719.6,	0.0);
(511660.8,	3754199.7,	719.3,	719.3,	0.0);	(511685.8,	3754199.7,	719.1,	719.1,	0.0);
(511710.8,	3754199.7,	718.8,	718.8,	0.0);	(511735.8,	3754199.7,	718.5,	718.5,	0.0);
(511760.8,	3754199.7,	718.1,	718.1,	0.0);	(511785.8,	3754199.7,	717.7,	717.7,	0.0);
(511810.8,	3754199.7,	717.3,	717.3,	0.0);	(511835.8,	3754199.7,	717.0,	717.0,	0.0);
(511860.8,	3754199.7,	716.7,	716.7,	0.0);	(511885.8,	3754199.7,	716.4,	716.4,	0.0);
(511910.8,	3754199.7,	716.0,	716.0,	0.0);	(511935.8,	3754199.7,	715.8,	715.8,	0.0);
(511960.8,	3754199.7,	715.5,	715.5,	0.0);	(511985.8,	3754199.7,	715.1,	715.1,	0.0);
(512010.8,	3754199.7,	714.8,	714.8,	0.0);	(512035.8,	3754199.7,	714.5,	714.5,	0.0);
(512060.8,	3754199.7,	714.0,	714.0,	0.0);	(512085.8,	3754199.7,	713.8,	713.8,	0.0);
(512110.8,	3754199.7,	713.4,	713.4,	0.0);	(512135.8,	3754199.7,	713.0,	713.0,	0.0);
(512160.8,	3754199.7,	712.6,	712.6,	0.0);	(512185.8,	3754199.7,	712.2,	712.2,	0.0);
(512210.8,	3754199.7,	711.7,	711.7,	0.0);	(512235.8,	3754199.7,	711.4,	711.4,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512260.8,	3754199.7,	711.0,	711.0,	0.0);	(512285.8,	3754199.7,	710.7,	710.7,	0.0);
(	512310.8,	3754199.7,	710.3,	710.3,	0.0);	(512335.8,	3754199.7,	709.9,	709.9,	0.0);
(	512360.8,	3754199.7,	709.6,	709.6,	0.0);	(512385.8,	3754199.7,	709.2,	709.2,	0.0);
(	512410.8,	3754199.7,	708.7,	708.7,	0.0);	(512435.8,	3754199.7,	708.3,	708.3,	0.0);
(	512460.8,	3754199.7,	707.8,	707.8,	0.0);	(512485.8,	3754199.7,	707.3,	707.3,	0.0);
(	512510.8,	3754199.7,	706.8,	706.8,	0.0);	(512535.8,	3754199.7,	706.3,	706.3,	0.0);
(	512560.8,	3754199.7,	705.9,	705.9,	0.0);	(512585.8,	3754199.7,	705.4,	705.4,	0.0);
(	512610.8,	3754199.7,	704.8,	704.8,	0.0);	(512635.8,	3754199.7,	704.3,	704.3,	0.0);
(	512660.8,	3754199.7,	703.8,	703.8,	0.0);	(512685.8,	3754199.7,	703.3,	703.3,	0.0);
(	512710.8,	3754199.7,	702.9,	702.9,	0.0);	(512735.8,	3754199.7,	702.4,	702.4,	0.0);
(	512760.8,	3754199.7,	702.0,	702.0,	0.0);	(512785.8,	3754199.7,	701.4,	701.4,	0.0);
(	512810.8,	3754199.7,	701.0,	701.0,	0.0);	(512835.8,	3754199.7,	700.5,	700.5,	0.0);
(	512860.8,	3754199.7,	700.1,	700.1,	0.0);	(512885.8,	3754199.7,	699.6,	699.6,	0.0);
(	512910.8,	3754199.7,	699.2,	699.2,	0.0);	(512935.8,	3754199.7,	698.7,	698.7,	0.0);
(	512960.8,	3754199.7,	698.3,	698.3,	0.0);	(512985.8,	3754199.7,	697.8,	697.8,	0.0);
(	511510.8,	3754224.7,	721.7,	721.7,	0.0);	(511535.8,	3754224.7,	721.5,	721.5,	0.0);
(	511560.8,	3754224.7,	721.1,	721.1,	0.0);	(511585.8,	3754224.7,	720.9,	720.9,	0.0);
(	511610.8,	3754224.7,	720.6,	720.6,	0.0);	(511635.8,	3754224.7,	720.2,	720.2,	0.0);
(	511660.8,	3754224.7,	720.1,	720.1,	0.0);	(511685.8,	3754224.7,	719.8,	719.8,	0.0);
(	511710.8,	3754224.7,	719.5,	719.5,	0.0);	(511735.8,	3754224.7,	719.2,	719.2,	0.0);
(	511760.8,	3754224.7,	718.8,	718.8,	0.0);	(511785.8,	3754224.7,	718.3,	718.3,	0.0);
(	511810.8,	3754224.7,	718.0,	718.0,	0.0);	(511835.8,	3754224.7,	717.6,	717.6,	0.0);
(	511860.8,	3754224.7,	717.4,	717.4,	0.0);	(511885.8,	3754224.7,	717.1,	717.1,	0.0);
(	511910.8,	3754224.7,	716.8,	716.8,	0.0);	(511935.8,	3754224.7,	716.5,	716.5,	0.0);
(	511960.8,	3754224.7,	716.2,	716.2,	0.0);	(511985.8,	3754224.7,	715.9,	715.9,	0.0);
(	512010.8,	3754224.7,	715.6,	715.6,	0.0);	(512035.8,	3754224.7,	715.2,	715.2,	0.0);
(	512060.8,	3754224.7,	714.9,	714.9,	0.0);	(512085.8,	3754224.7,	714.5,	714.5,	0.0);
(	512110.8,	3754224.7,	714.1,	714.1,	0.0);	(512135.8,	3754224.7,	713.7,	713.7,	0.0);
(	512160.8,	3754224.7,	713.3,	713.3,	0.0);	(512185.8,	3754224.7,	713.0,	713.0,	0.0);
(	512210.8,	3754224.7,	712.5,	712.5,	0.0);	(512235.8,	3754224.7,	712.2,	712.2,	0.0);
(	512260.8,	3754224.7,	711.8,	711.8,	0.0);	(512285.8,	3754224.7,	711.4,	711.4,	0.0);
(	512310.8,	3754224.7,	711.1,	711.1,	0.0);	(512335.8,	3754224.7,	710.7,	710.7,	0.0);
(	512360.8,	3754224.7,	710.3,	710.3,	0.0);	(512385.8,	3754224.7,	709.9,	709.9,	0.0);
(	512410.8,	3754224.7,	709.5,	709.5,	0.0);	(512435.8,	3754224.7,	709.0,	709.0,	0.0);
(	512460.8,	3754224.7,	708.5,	708.5,	0.0);	(512485.8,	3754224.7,	708.0,	708.0,	0.0);
(	512510.8,	3754224.7,	707.5,	707.5,	0.0);	(512535.8,	3754224.7,	707.2,	707.2,	0.0);
(	512560.8,	3754224.7,	706.6,	706.6,	0.0);	(512585.8,	3754224.7,	706.0,	706.0,	0.0);
(	512610.8,	3754224.7,	705.4,	705.4,	0.0);	(512635.8,	3754224.7,	704.8,	704.8,	0.0);
(	512660.8,	3754224.7,	704.4,	704.4,	0.0);	(512685.8,	3754224.7,	704.0,	704.0,	0.0);
(	512710.8,	3754224.7,	703.5,	703.5,	0.0);	(512735.8,	3754224.7,	703.0,	703.0,	0.0);
(	512760.8,	3754224.7,	702.6,	702.6,	0.0);	(512785.8,	3754224.7,	702.2,	702.2,	0.0);
(	512810.8,	3754224.7,	701.8,	701.8,	0.0);	(512835.8,	3754224.7,	701.2,	701.2,	0.0);
(	512860.8,	3754224.7,	700.7,	700.7,	0.0);	(512885.8,	3754224.7,	700.3,	700.3,	0.0);
(	512910.8,	3754224.7,	699.9,	699.9,	0.0);	(512935.8,	3754224.7,	699.5,	699.5,	0.0);
(	512960.8,	3754224.7,	699.1,	699.1,	0.0);	(512985.8,	3754224.7,	698.6,	698.6,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	511510.8,	3754249.7,	722.5,	722.5,	0.0);	(511535.8,	3754249.7,	722.3,	722.3,	0.0);
(	511560.8,	3754249.7,	721.9,	721.9,	0.0);	(511585.8,	3754249.7,	721.6,	721.6,	0.0);
(	511610.8,	3754249.7,	721.3,	721.3,	0.0);	(511635.8,	3754249.7,	721.1,	721.1,	0.0);
(	511660.8,	3754249.7,	720.8,	720.8,	0.0);	(511685.8,	3754249.7,	720.5,	720.5,	0.0);
(	511710.8,	3754249.7,	720.2,	720.2,	0.0);	(511735.8,	3754249.7,	719.9,	719.9,	0.0);
(	511760.8,	3754249.7,	719.5,	719.5,	0.0);	(511785.8,	3754249.7,	718.9,	718.9,	0.0);
(	511810.8,	3754249.7,	718.6,	718.6,	0.0);	(511835.8,	3754249.7,	718.4,	718.4,	0.0);
(	511860.8,	3754249.7,	718.1,	718.1,	0.0);	(511885.8,	3754249.7,	717.9,	717.9,	0.0);
(	511910.8,	3754249.7,	717.5,	717.5,	0.0);	(511935.8,	3754249.7,	717.3,	717.3,	0.0);
(	511960.8,	3754249.7,	717.0,	717.0,	0.0);	(511985.8,	3754249.7,	716.6,	716.6,	0.0);
(	512010.8,	3754249.7,	716.3,	716.3,	0.0);	(512035.8,	3754249.7,	716.0,	716.0,	0.0);
(	512060.8,	3754249.7,	715.6,	715.6,	0.0);	(512085.8,	3754249.7,	715.2,	715.2,	0.0);
(	512110.8,	3754249.7,	714.9,	714.9,	0.0);	(512135.8,	3754249.7,	714.5,	714.5,	0.0);
(	512160.8,	3754249.7,	714.1,	714.1,	0.0);	(512185.8,	3754249.7,	713.7,	713.7,	0.0);
(	512210.8,	3754249.7,	713.3,	713.3,	0.0);	(512235.8,	3754249.7,	713.0,	713.0,	0.0);
(	512260.8,	3754249.7,	712.5,	712.5,	0.0);	(512285.8,	3754249.7,	712.1,	712.1,	0.0);
(	512310.8,	3754249.7,	711.8,	711.8,	0.0);	(512335.8,	3754249.7,	711.4,	711.4,	0.0);
(	512360.8,	3754249.7,	711.0,	711.0,	0.0);	(512385.8,	3754249.7,	710.6,	710.6,	0.0);
(	512410.8,	3754249.7,	710.1,	710.1,	0.0);	(512435.8,	3754249.7,	709.7,	709.7,	0.0);
(	512460.8,	3754249.7,	709.2,	709.2,	0.0);	(512485.8,	3754249.7,	708.7,	708.7,	0.0);
(	512510.8,	3754249.7,	708.3,	708.3,	0.0);	(512535.8,	3754249.7,	707.8,	707.8,	0.0);
(	512560.8,	3754249.7,	707.2,	707.2,	0.0);	(512585.8,	3754249.7,	706.5,	706.5,	0.0);
(	512610.8,	3754249.7,	706.0,	706.0,	0.0);	(512635.8,	3754249.7,	705.5,	705.5,	0.0);
(	512660.8,	3754249.7,	705.0,	705.0,	0.0);	(512685.8,	3754249.7,	704.6,	704.6,	0.0);
(	512710.8,	3754249.7,	704.1,	704.1,	0.0);	(512735.8,	3754249.7,	703.7,	703.7,	0.0);
(	512760.8,	3754249.7,	703.2,	703.2,	0.0);	(512785.8,	3754249.7,	702.8,	702.8,	0.0);
(	512810.8,	3754249.7,	702.4,	702.4,	0.0);	(512835.8,	3754249.7,	702.0,	702.0,	0.0);
(	512860.8,	3754249.7,	701.4,	701.4,	0.0);	(512885.8,	3754249.7,	700.9,	700.9,	0.0);
(	512910.8,	3754249.7,	700.5,	700.5,	0.0);	(512935.8,	3754249.7,	700.1,	700.1,	0.0);
(	512960.8,	3754249.7,	699.8,	699.8,	0.0);	(512985.8,	3754249.7,	699.2,	699.2,	0.0);
(	511510.8,	3754274.7,	723.2,	723.2,	0.0);	(511535.8,	3754274.7,	722.9,	722.9,	0.0);
(	511560.8,	3754274.7,	722.6,	722.6,	0.0);	(511585.8,	3754274.7,	722.4,	722.4,	0.0);
(	511610.8,	3754274.7,	722.1,	722.1,	0.0);	(511635.8,	3754274.7,	721.8,	721.8,	0.0);
(	511660.8,	3754274.7,	721.5,	721.5,	0.0);	(511685.8,	3754274.7,	721.2,	721.2,	0.0);
(	511710.8,	3754274.7,	721.0,	721.0,	0.0);	(511735.8,	3754274.7,	720.5,	720.5,	0.0);
(	511760.8,	3754274.7,	719.8,	719.8,	0.0);	(511785.8,	3754274.7,	719.5,	719.5,	0.0);
(	511810.8,	3754274.7,	719.3,	719.3,	0.0);	(511835.8,	3754274.7,	719.1,	719.1,	0.0);
(	511860.8,	3754274.7,	718.9,	718.9,	0.0);	(511885.8,	3754274.7,	718.6,	718.6,	0.0);
(	511910.8,	3754274.7,	718.3,	718.3,	0.0);	(511935.8,	3754274.7,	718.0,	718.0,	0.0);
(	511960.8,	3754274.7,	717.8,	717.8,	0.0);	(511985.8,	3754274.7,	717.4,	717.4,	0.0);
(	512010.8,	3754274.7,	717.1,	717.1,	0.0);	(512035.8,	3754274.7,	716.8,	716.8,	0.0);
(	512060.8,	3754274.7,	716.4,	716.4,	0.0);	(512085.8,	3754274.7,	716.0,	716.0,	0.0);
(	512110.8,	3754274.7,	715.7,	715.7,	0.0);	(512135.8,	3754274.7,	715.3,	715.3,	0.0);
(	512160.8,	3754274.7,	714.9,	714.9,	0.0);	(512185.8,	3754274.7,	714.5,	714.5,	0.0);
(	512210.8,	3754274.7,	714.1,	714.1,	0.0);	(512235.8,	3754274.7,	713.8,	713.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512260.8,	3754274.7,	713.3,	713.3,	0.0);	(512285.8,	3754274.7,	712.9,	712.9,	0.0);
(	512310.8,	3754274.7,	712.5,	712.5,	0.0);	(512335.8,	3754274.7,	712.2,	712.2,	0.0);
(	512360.8,	3754274.7,	711.7,	711.7,	0.0);	(512385.8,	3754274.7,	711.3,	711.3,	0.0);
(	512410.8,	3754274.7,	710.9,	710.9,	0.0);	(512435.8,	3754274.7,	710.4,	710.4,	0.0);
(	512460.8,	3754274.7,	710.0,	710.0,	0.0);	(512485.8,	3754274.7,	709.5,	709.5,	0.0);
(	512510.8,	3754274.7,	709.0,	709.0,	0.0);	(512535.8,	3754274.7,	708.4,	708.4,	0.0);
(	512560.8,	3754274.7,	707.8,	707.8,	0.0);	(512585.8,	3754274.7,	707.0,	707.0,	0.0);
(	512610.8,	3754274.7,	706.6,	706.6,	0.0);	(512635.8,	3754274.7,	706.1,	706.1,	0.0);
(	512660.8,	3754274.7,	705.7,	705.7,	0.0);	(512685.8,	3754274.7,	705.2,	705.2,	0.0);
(	512710.8,	3754274.7,	704.8,	704.8,	0.0);	(512735.8,	3754274.7,	704.4,	704.4,	0.0);
(	512760.8,	3754274.7,	703.9,	703.9,	0.0);	(512785.8,	3754274.7,	703.5,	703.5,	0.0);
(	512810.8,	3754274.7,	703.1,	703.1,	0.0);	(512835.8,	3754274.7,	702.7,	702.7,	0.0);
(	512860.8,	3754274.7,	702.3,	702.3,	0.0);	(512885.8,	3754274.7,	701.7,	701.7,	0.0);
(	512910.8,	3754274.7,	701.3,	701.3,	0.0);	(512935.8,	3754274.7,	700.9,	700.9,	0.0);
(	512960.8,	3754274.7,	700.5,	700.5,	0.0);	(512985.8,	3754274.7,	700.0,	700.0,	0.0);
(	511510.8,	3754299.7,	723.9,	723.9,	0.0);	(511535.8,	3754299.7,	723.6,	723.6,	0.0);
(	511560.8,	3754299.7,	723.4,	723.4,	0.0);	(511585.8,	3754299.7,	723.1,	723.1,	0.0);
(	511610.8,	3754299.7,	722.8,	722.8,	0.0);	(511635.8,	3754299.7,	722.6,	722.6,	0.0);
(	511660.8,	3754299.7,	722.3,	722.3,	0.0);	(511685.8,	3754299.7,	722.0,	722.0,	0.0);
(	511710.8,	3754299.7,	721.5,	721.5,	0.0);	(511735.8,	3754299.7,	720.8,	720.8,	0.0);
(	511760.8,	3754299.7,	720.4,	720.4,	0.0);	(511785.8,	3754299.7,	720.3,	720.3,	0.0);
(	511810.8,	3754299.7,	720.0,	720.0,	0.0);	(511835.8,	3754299.7,	719.9,	719.9,	0.0);
(	511860.8,	3754299.7,	719.6,	719.6,	0.0);	(511885.8,	3754299.7,	719.4,	719.4,	0.0);
(	511910.8,	3754299.7,	719.1,	719.1,	0.0);	(511935.8,	3754299.7,	718.8,	718.8,	0.0);
(	511960.8,	3754299.7,	718.5,	718.5,	0.0);	(511985.8,	3754299.7,	718.2,	718.2,	0.0);
(	512010.8,	3754299.7,	717.9,	717.9,	0.0);	(512035.8,	3754299.7,	717.5,	717.5,	0.0);
(	512060.8,	3754299.7,	717.1,	717.1,	0.0);	(512085.8,	3754299.7,	716.8,	716.8,	0.0);
(	512110.8,	3754299.7,	716.4,	716.4,	0.0);	(512135.8,	3754299.7,	716.1,	716.1,	0.0);
(	512160.8,	3754299.7,	715.7,	715.7,	0.0);	(512185.8,	3754299.7,	715.2,	715.2,	0.0);
(	512210.8,	3754299.7,	714.9,	714.9,	0.0);	(512235.8,	3754299.7,	714.5,	714.5,	0.0);
(	512260.8,	3754299.7,	714.0,	714.0,	0.0);	(512285.8,	3754299.7,	713.6,	713.6,	0.0);
(	512310.8,	3754299.7,	713.2,	713.2,	0.0);	(512335.8,	3754299.7,	712.9,	712.9,	0.0);
(	512360.8,	3754299.7,	712.3,	712.3,	0.0);	(512385.8,	3754299.7,	711.9,	711.9,	0.0);
(	512410.8,	3754299.7,	711.5,	711.5,	0.0);	(512435.8,	3754299.7,	711.1,	711.1,	0.0);
(	512460.8,	3754299.7,	710.6,	710.6,	0.0);	(512485.8,	3754299.7,	710.1,	710.1,	0.0);
(	512510.8,	3754299.7,	709.6,	709.6,	0.0);	(512535.8,	3754299.7,	708.9,	708.9,	0.0);
(	512560.8,	3754299.7,	708.0,	708.0,	0.0);	(512585.8,	3754299.7,	707.6,	707.6,	0.0);
(	512610.8,	3754299.7,	707.3,	707.3,	0.0);	(512635.8,	3754299.7,	706.8,	706.8,	0.0);
(	512660.8,	3754299.7,	706.3,	706.3,	0.0);	(512685.8,	3754299.7,	705.8,	705.8,	0.0);
(	512710.8,	3754299.7,	705.4,	705.4,	0.0);	(512735.8,	3754299.7,	705.0,	705.0,	0.0);
(	512760.8,	3754299.7,	704.5,	704.5,	0.0);	(512785.8,	3754299.7,	704.1,	704.1,	0.0);
(	512810.8,	3754299.7,	703.7,	703.7,	0.0);	(512835.8,	3754299.7,	703.4,	703.4,	0.0);
(	512860.8,	3754299.7,	703.0,	703.0,	0.0);	(512885.8,	3754299.7,	702.6,	702.6,	0.0);
(	512910.8,	3754299.7,	702.2,	702.2,	0.0);	(512935.8,	3754299.7,	701.8,	701.8,	0.0);
(	512960.8,	3754299.7,	701.3,	701.3,	0.0);	(512985.8,	3754299.7,	700.8,	700.8,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	511985.8,	3754324.7,	718.9,	718.9,	0.0);	(	512010.8,	3754324.7,	718.7,	718.7,	0.0);
(	512035.8,	3754324.7,	718.3,	718.3,	0.0);	(	512060.8,	3754324.7,	718.0,	718.0,	0.0);
(	512085.8,	3754324.7,	717.6,	717.6,	0.0);	(	512110.8,	3754324.7,	717.3,	717.3,	0.0);
(	512135.8,	3754324.7,	716.9,	716.9,	0.0);	(	512160.8,	3754324.7,	716.5,	716.5,	0.0);
(	512185.8,	3754324.7,	716.0,	716.0,	0.0);	(	512210.8,	3754324.7,	715.7,	715.7,	0.0);
(	512235.8,	3754324.7,	715.3,	715.3,	0.0);	(	512260.8,	3754324.7,	714.8,	714.8,	0.0);
(	512285.8,	3754324.7,	714.4,	714.4,	0.0);	(	512310.8,	3754324.7,	714.1,	714.1,	0.0);
(	512335.8,	3754324.7,	713.6,	713.6,	0.0);	(	512360.8,	3754324.7,	713.2,	713.2,	0.0);
(	512385.8,	3754324.7,	712.7,	712.7,	0.0);	(	512410.8,	3754324.7,	712.3,	712.3,	0.0);
(	512435.8,	3754324.7,	711.9,	711.9,	0.0);	(	512460.8,	3754324.7,	711.4,	711.4,	0.0);
(	512485.8,	3754324.7,	710.8,	710.8,	0.0);	(	512510.8,	3754324.7,	710.2,	710.2,	0.0);
(	512535.8,	3754324.7,	709.5,	709.5,	0.0);	(	512560.8,	3754324.7,	708.9,	708.9,	0.0);
(	512585.8,	3754324.7,	708.5,	708.5,	0.0);	(	512610.8,	3754324.7,	708.1,	708.1,	0.0);
(	512635.8,	3754324.7,	707.5,	707.5,	0.0);	(	512660.8,	3754324.7,	707.0,	707.0,	0.0);
(	512685.8,	3754324.7,	706.6,	706.6,	0.0);	(	512710.8,	3754324.7,	706.1,	706.1,	0.0);
(	512735.8,	3754324.7,	705.7,	705.7,	0.0);	(	512760.8,	3754324.7,	705.2,	705.2,	0.0);
(	512785.8,	3754324.7,	704.8,	704.8,	0.0);	(	512810.8,	3754324.7,	704.4,	704.4,	0.0);
(	512835.8,	3754324.7,	704.0,	704.0,	0.0);	(	512860.8,	3754324.7,	703.8,	703.8,	0.0);
(	512885.8,	3754324.7,	703.5,	703.5,	0.0);	(	512910.8,	3754324.7,	703.1,	703.1,	0.0);
(	512935.8,	3754324.7,	702.8,	702.8,	0.0);	(	512960.8,	3754324.7,	702.3,	702.3,	0.0);
(	512985.8,	3754324.7,	701.6,	701.6,	0.0);	(	511985.8,	3754349.7,	719.7,	719.7,	0.0);
(	512010.8,	3754349.7,	719.4,	719.4,	0.0);	(	512035.8,	3754349.7,	719.1,	719.1,	0.0);
(	512060.8,	3754349.7,	718.8,	718.8,	0.0);	(	512085.8,	3754349.7,	718.4,	718.4,	0.0);
(	512110.8,	3754349.7,	718.0,	718.0,	0.0);	(	512135.8,	3754349.7,	717.6,	717.6,	0.0);
(	512160.8,	3754349.7,	717.2,	717.2,	0.0);	(	512185.8,	3754349.7,	716.8,	716.8,	0.0);
(	512210.8,	3754349.7,	716.4,	716.4,	0.0);	(	512235.8,	3754349.7,	716.1,	716.1,	0.0);
(	512260.8,	3754349.7,	715.6,	715.6,	0.0);	(	512285.8,	3754349.7,	715.2,	715.2,	0.0);
(	512310.8,	3754349.7,	714.8,	714.8,	0.0);	(	512335.8,	3754349.7,	714.3,	714.3,	0.0);
(	512360.8,	3754349.7,	713.9,	713.9,	0.0);	(	512385.8,	3754349.7,	713.4,	713.4,	0.0);
(	512410.8,	3754349.7,	713.0,	713.0,	0.0);	(	512435.8,	3754349.7,	712.5,	712.5,	0.0);
(	512460.8,	3754349.7,	712.0,	712.0,	0.0);	(	512485.8,	3754349.7,	711.5,	711.5,	0.0);
(	512510.8,	3754349.7,	711.0,	711.0,	0.0);	(	512535.8,	3754349.7,	710.3,	710.3,	0.0);
(	512560.8,	3754349.7,	709.8,	709.8,	0.0);	(	512585.8,	3754349.7,	709.3,	709.3,	0.0);
(	512610.8,	3754349.7,	708.8,	708.8,	0.0);	(	512635.8,	3754349.7,	708.2,	708.2,	0.0);
(	512660.8,	3754349.7,	707.7,	707.7,	0.0);	(	512685.8,	3754349.7,	707.4,	707.4,	0.0);
(	512710.8,	3754349.7,	706.8,	706.8,	0.0);	(	512735.8,	3754349.7,	706.3,	706.3,	0.0);
(	512760.8,	3754349.7,	705.8,	705.8,	0.0);	(	512785.8,	3754349.7,	705.4,	705.4,	0.0);
(	512810.8,	3754349.7,	705.1,	705.1,	0.0);	(	512835.8,	3754349.7,	704.9,	704.9,	0.0);
(	512860.8,	3754349.7,	704.6,	704.6,	0.0);	(	512885.8,	3754349.7,	704.4,	704.4,	0.0);
(	512910.8,	3754349.7,	704.0,	704.0,	0.0);	(	512935.8,	3754349.7,	703.7,	703.7,	0.0);
(	512960.8,	3754349.7,	703.2,	703.2,	0.0);	(	512985.8,	3754349.7,	702.6,	702.6,	0.0);
(	511985.8,	3754374.7,	720.5,	720.5,	0.0);	(	512010.8,	3754374.7,	720.3,	720.3,	0.0);
(	512035.8,	3754374.7,	720.0,	720.0,	0.0);	(	512060.8,	3754374.7,	719.6,	719.6,	0.0);
(	512085.8,	3754374.7,	719.2,	719.2,	0.0);	(	512110.8,	3754374.7,	718.9,	718.9,	0.0);
(	512135.8,	3754374.7,	718.4,	718.4,	0.0);	(	512160.8,	3754374.7,	718.1,	718.1,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512185.8,	3754374.7,	717.6,	717.6,	0.0);	(512210.8,	3754374.7,	717.2,	717.2,	0.0);
(	512235.8,	3754374.7,	716.8,	716.8,	0.0);	(512260.8,	3754374.7,	716.4,	716.4,	0.0);
(	512285.8,	3754374.7,	716.0,	716.0,	0.0);	(512310.8,	3754374.7,	715.6,	715.6,	0.0);
(	512335.8,	3754374.7,	715.1,	715.1,	0.0);	(512360.8,	3754374.7,	714.7,	714.7,	0.0);
(	512385.8,	3754374.7,	714.2,	714.2,	0.0);	(512410.8,	3754374.7,	713.7,	713.7,	0.0);
(	512435.8,	3754374.7,	713.3,	713.3,	0.0);	(512460.8,	3754374.7,	712.9,	712.9,	0.0);
(	512485.8,	3754374.7,	712.3,	712.3,	0.0);	(512510.8,	3754374.7,	711.8,	711.8,	0.0);
(	512535.8,	3754374.7,	711.2,	711.2,	0.0);	(512560.8,	3754374.7,	710.7,	710.7,	0.0);
(	512585.8,	3754374.7,	710.2,	710.2,	0.0);	(512610.8,	3754374.7,	709.6,	709.6,	0.0);
(	512635.8,	3754374.7,	709.0,	709.0,	0.0);	(512660.8,	3754374.7,	708.6,	708.6,	0.0);
(	512685.8,	3754374.7,	708.1,	708.1,	0.0);	(512710.8,	3754374.7,	707.5,	707.5,	0.0);
(	512735.8,	3754374.7,	706.9,	706.9,	0.0);	(512760.8,	3754374.7,	706.4,	706.4,	0.0);
(	512785.8,	3754374.7,	706.0,	706.0,	0.0);	(512810.8,	3754374.7,	705.8,	705.8,	0.0);
(	512835.8,	3754374.7,	705.6,	705.6,	0.0);	(512860.8,	3754374.7,	705.5,	705.5,	0.0);
(	512885.8,	3754374.7,	705.2,	705.2,	0.0);	(512910.8,	3754374.7,	705.0,	705.0,	0.0);
(	512935.8,	3754374.7,	704.6,	704.6,	0.0);	(512960.8,	3754374.7,	704.3,	704.3,	0.0);
(	512985.8,	3754374.7,	703.6,	703.6,	0.0);	(511985.8,	3754399.7,	721.5,	721.5,	0.0);
(	512010.8,	3754399.7,	721.2,	721.2,	0.0);	(512035.8,	3754399.7,	720.8,	720.8,	0.0);
(	512060.8,	3754399.7,	720.4,	720.4,	0.0);	(512085.8,	3754399.7,	720.0,	720.0,	0.0);
(	512110.8,	3754399.7,	719.6,	719.6,	0.0);	(512135.8,	3754399.7,	719.3,	719.3,	0.0);
(	512160.8,	3754399.7,	718.8,	718.8,	0.0);	(512185.8,	3754399.7,	718.4,	718.4,	0.0);
(	512210.8,	3754399.7,	718.0,	718.0,	0.0);	(512235.8,	3754399.7,	717.6,	717.6,	0.0);
(	512260.8,	3754399.7,	717.1,	717.1,	0.0);	(512285.8,	3754399.7,	716.8,	716.8,	0.0);
(	512310.8,	3754399.7,	716.3,	716.3,	0.0);	(512335.8,	3754399.7,	715.9,	715.9,	0.0);
(	512360.8,	3754399.7,	715.4,	715.4,	0.0);	(512385.8,	3754399.7,	715.0,	715.0,	0.0);
(	512410.8,	3754399.7,	714.6,	714.6,	0.0);	(512435.8,	3754399.7,	714.1,	714.1,	0.0);
(	512460.8,	3754399.7,	713.6,	713.6,	0.0);	(512485.8,	3754399.7,	713.0,	713.0,	0.0);
(	512510.8,	3754399.7,	712.5,	712.5,	0.0);	(512535.8,	3754399.7,	712.0,	712.0,	0.0);
(	512560.8,	3754399.7,	711.5,	711.5,	0.0);	(512585.8,	3754399.7,	711.0,	711.0,	0.0);
(	512610.8,	3754399.7,	710.5,	710.5,	0.0);	(512635.8,	3754399.7,	709.9,	709.9,	0.0);
(	512660.8,	3754399.7,	709.4,	709.4,	0.0);	(512685.8,	3754399.7,	708.8,	708.8,	0.0);
(	512710.8,	3754399.7,	708.1,	708.1,	0.0);	(512735.8,	3754399.7,	707.5,	707.5,	0.0);
(	512760.8,	3754399.7,	706.9,	706.9,	0.0);	(512785.8,	3754399.7,	706.7,	706.7,	0.0);
(	512810.8,	3754399.7,	706.5,	706.5,	0.0);	(512835.8,	3754399.7,	706.4,	706.4,	0.0);
(	512860.8,	3754399.7,	706.4,	706.4,	0.0);	(512885.8,	3754399.7,	706.2,	706.2,	0.0);
(	512910.8,	3754399.7,	706.0,	706.0,	0.0);	(512935.8,	3754399.7,	705.6,	705.6,	0.0);
(	512960.8,	3754399.7,	705.2,	705.2,	0.0);	(512985.8,	3754399.7,	704.6,	704.6,	0.0);
(	511985.8,	3754424.7,	722.4,	722.4,	0.0);	(512010.8,	3754424.7,	722.1,	722.1,	0.0);
(	512035.8,	3754424.7,	721.7,	721.7,	0.0);	(512060.8,	3754424.7,	721.3,	721.3,	0.0);
(	512085.8,	3754424.7,	720.9,	720.9,	0.0);	(512110.8,	3754424.7,	720.5,	720.5,	0.0);
(	512135.8,	3754424.7,	720.1,	720.1,	0.0);	(512160.8,	3754424.7,	719.7,	719.7,	0.0);
(	512185.8,	3754424.7,	719.2,	719.2,	0.0);	(512210.8,	3754424.7,	718.7,	718.7,	0.0);
(	512235.8,	3754424.7,	718.3,	718.3,	0.0);	(512260.8,	3754424.7,	717.9,	717.9,	0.0);
(	512285.8,	3754424.7,	717.5,	717.5,	0.0);	(512310.8,	3754424.7,	717.1,	717.1,	0.0);
(	512335.8,	3754424.7,	716.6,	716.6,	0.0);	(512360.8,	3754424.7,	716.3,	716.3,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512385.8,	3754424.7,	715.8,	715.8,	0.0);	(512410.8,	3754424.7,	715.4,	715.4,	0.0);
(	512435.8,	3754424.7,	714.9,	714.9,	0.0);	(512460.8,	3754424.7,	714.4,	714.4,	0.0);
(	512485.8,	3754424.7,	713.9,	713.9,	0.0);	(512510.8,	3754424.7,	713.4,	713.4,	0.0);
(	512535.8,	3754424.7,	712.9,	712.9,	0.0);	(512560.8,	3754424.7,	712.4,	712.4,	0.0);
(	512585.8,	3754424.7,	711.8,	711.8,	0.0);	(512610.8,	3754424.7,	711.4,	711.4,	0.0);
(	512635.8,	3754424.7,	710.8,	710.8,	0.0);	(512660.8,	3754424.7,	710.2,	710.2,	0.0);
(	512685.8,	3754424.7,	709.5,	709.5,	0.0);	(512710.8,	3754424.7,	708.8,	708.8,	0.0);
(	512735.8,	3754424.7,	708.0,	708.0,	0.0);	(512760.8,	3754424.7,	707.5,	707.5,	0.0);
(	512785.8,	3754424.7,	707.4,	707.4,	0.0);	(512810.8,	3754424.7,	707.3,	707.3,	0.0);
(	512835.8,	3754424.7,	707.3,	707.3,	0.0);	(512860.8,	3754424.7,	707.3,	707.3,	0.0);
(	512885.8,	3754424.7,	707.1,	707.1,	0.0);	(512910.8,	3754424.7,	707.0,	707.0,	0.0);
(	512935.8,	3754424.7,	706.6,	706.6,	0.0);	(512960.8,	3754424.7,	706.2,	706.2,	0.0);
(	512985.8,	3754424.7,	705.5,	705.5,	0.0);	(511985.8,	3754449.7,	723.3,	723.3,	0.0);
(	512010.8,	3754449.7,	722.9,	722.9,	0.0);	(512035.8,	3754449.7,	722.6,	722.6,	0.0);
(	512060.8,	3754449.7,	722.2,	722.2,	0.0);	(512085.8,	3754449.7,	721.8,	721.8,	0.0);
(	512110.8,	3754449.7,	721.3,	721.3,	0.0);	(512135.8,	3754449.7,	720.9,	720.9,	0.0);
(	512160.8,	3754449.7,	720.4,	720.4,	0.0);	(512185.8,	3754449.7,	719.9,	719.9,	0.0);
(	512210.8,	3754449.7,	719.5,	719.5,	0.0);	(512235.8,	3754449.7,	719.3,	719.3,	0.0);
(	512260.8,	3754449.7,	718.8,	718.8,	0.0);	(512285.8,	3754449.7,	718.3,	718.3,	0.0);
(	512310.8,	3754449.7,	717.8,	717.8,	0.0);	(512335.8,	3754449.7,	717.4,	717.4,	0.0);
(	512360.8,	3754449.7,	717.0,	717.0,	0.0);	(512385.8,	3754449.7,	716.6,	716.6,	0.0);
(	512410.8,	3754449.7,	716.2,	716.2,	0.0);	(512435.8,	3754449.7,	715.8,	715.8,	0.0);
(	512460.8,	3754449.7,	715.4,	715.4,	0.0);	(512485.8,	3754449.7,	714.9,	714.9,	0.0);
(	512510.8,	3754449.7,	714.4,	714.4,	0.0);	(512535.8,	3754449.7,	713.9,	713.9,	0.0);
(	512560.8,	3754449.7,	713.3,	713.3,	0.0);	(512585.8,	3754449.7,	712.8,	712.8,	0.0);
(	512610.8,	3754449.7,	712.2,	712.2,	0.0);	(512635.8,	3754449.7,	711.7,	711.7,	0.0);
(	512660.8,	3754449.7,	711.0,	711.0,	0.0);	(512685.8,	3754449.7,	710.4,	710.4,	0.0);
(	512710.8,	3754449.7,	709.6,	709.6,	0.0);	(512735.8,	3754449.7,	708.9,	708.9,	0.0);
(	512760.8,	3754449.7,	708.4,	708.4,	0.0);	(512785.8,	3754449.7,	708.3,	708.3,	0.0);
(	512810.8,	3754449.7,	708.2,	708.2,	0.0);	(512835.8,	3754449.7,	708.2,	708.2,	0.0);
(	512860.8,	3754449.7,	708.2,	708.2,	0.0);	(512885.8,	3754449.7,	708.0,	708.0,	0.0);
(	512910.8,	3754449.7,	707.8,	707.8,	0.0);	(512935.8,	3754449.7,	707.5,	707.5,	0.0);
(	512960.8,	3754449.7,	707.0,	707.0,	0.0);	(512985.8,	3754449.7,	706.4,	706.4,	0.0);
(	511985.8,	3754474.7,	724.2,	724.2,	0.0);	(512010.8,	3754474.7,	723.8,	723.8,	0.0);
(	512035.8,	3754474.7,	723.5,	723.5,	0.0);	(512060.8,	3754474.7,	723.1,	723.1,	0.0);
(	512085.8,	3754474.7,	722.7,	722.7,	0.0);	(512110.8,	3754474.7,	722.2,	722.2,	0.0);
(	512135.8,	3754474.7,	721.8,	721.8,	0.0);	(512160.8,	3754474.7,	721.3,	721.3,	0.0);
(	512185.8,	3754474.7,	720.7,	720.7,	0.0);	(512210.8,	3754474.7,	720.4,	720.4,	0.0);
(	512235.8,	3754474.7,	720.2,	720.2,	0.0);	(512260.8,	3754474.7,	719.7,	719.7,	0.0);
(	512285.8,	3754474.7,	719.0,	719.0,	0.0);	(512310.8,	3754474.7,	718.6,	718.6,	0.0);
(	512335.8,	3754474.7,	718.2,	718.2,	0.0);	(512360.8,	3754474.7,	717.9,	717.9,	0.0);
(	512385.8,	3754474.7,	717.5,	717.5,	0.0);	(512410.8,	3754474.7,	717.1,	717.1,	0.0);
(	512435.8,	3754474.7,	716.7,	716.7,	0.0);	(512460.8,	3754474.7,	716.2,	716.2,	0.0);
(	512485.8,	3754474.7,	715.7,	715.7,	0.0);	(512510.8,	3754474.7,	715.3,	715.3,	0.0);
(	512535.8,	3754474.7,	714.8,	714.8,	0.0);	(512560.8,	3754474.7,	714.2,	714.2,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512585.8,	3754474.7,	713.7,	713.7,	0.0);	(512610.8,	3754474.7,	713.2,	713.2,	0.0);
(	512635.8,	3754474.7,	712.5,	712.5,	0.0);	(512660.8,	3754474.7,	711.9,	711.9,	0.0);
(	512685.8,	3754474.7,	711.3,	711.3,	0.0);	(512710.8,	3754474.7,	710.6,	710.6,	0.0);
(	512735.8,	3754474.7,	710.0,	710.0,	0.0);	(512760.8,	3754474.7,	709.5,	709.5,	0.0);
(	512785.8,	3754474.7,	709.3,	709.3,	0.0);	(512810.8,	3754474.7,	709.1,	709.1,	0.0);
(	512835.8,	3754474.7,	709.0,	709.0,	0.0);	(512860.8,	3754474.7,	709.0,	709.0,	0.0);
(	512885.8,	3754474.7,	708.9,	708.9,	0.0);	(512910.8,	3754474.7,	708.7,	708.7,	0.0);
(	512935.8,	3754474.7,	708.3,	708.3,	0.0);	(512960.8,	3754474.7,	707.9,	707.9,	0.0);
(	512985.8,	3754474.7,	707.2,	707.2,	0.0);	(511985.8,	3754499.7,	725.1,	725.1,	0.0);
(	512010.8,	3754499.7,	724.7,	724.7,	0.0);	(512035.8,	3754499.7,	724.4,	724.4,	0.0);
(	512060.8,	3754499.7,	723.9,	723.9,	0.0);	(512085.8,	3754499.7,	723.5,	723.5,	0.0);
(	512110.8,	3754499.7,	723.0,	723.0,	0.0);	(512135.8,	3754499.7,	722.6,	722.6,	0.0);
(	512160.8,	3754499.7,	722.1,	722.1,	0.0);	(512185.8,	3754499.7,	721.7,	721.7,	0.0);
(	512210.8,	3754499.7,	721.3,	721.3,	0.0);	(512235.8,	3754499.7,	720.9,	720.9,	0.0);
(	512260.8,	3754499.7,	720.1,	720.1,	0.0);	(512285.8,	3754499.7,	719.6,	719.6,	0.0);
(	512310.8,	3754499.7,	719.4,	719.4,	0.0);	(512335.8,	3754499.7,	719.1,	719.1,	0.0);
(	512360.8,	3754499.7,	718.7,	718.7,	0.0);	(512385.8,	3754499.7,	718.3,	718.3,	0.0);
(	512410.8,	3754499.7,	717.9,	717.9,	0.0);	(512435.8,	3754499.7,	717.4,	717.4,	0.0);
(	512460.8,	3754499.7,	717.0,	717.0,	0.0);	(512485.8,	3754499.7,	716.6,	716.6,	0.0);
(	512510.8,	3754499.7,	716.1,	716.1,	0.0);	(512535.8,	3754499.7,	715.7,	715.7,	0.0);
(	512560.8,	3754499.7,	715.1,	715.1,	0.0);	(512585.8,	3754499.7,	714.6,	714.6,	0.0);
(	512610.8,	3754499.7,	714.0,	714.0,	0.0);	(512635.8,	3754499.7,	713.4,	713.4,	0.0);
(	512660.8,	3754499.7,	712.8,	712.8,	0.0);	(512685.8,	3754499.7,	712.2,	712.2,	0.0);
(	512710.8,	3754499.7,	711.7,	711.7,	0.0);	(512735.8,	3754499.7,	711.1,	711.1,	0.0);
(	512760.8,	3754499.7,	710.6,	710.6,	0.0);	(512785.8,	3754499.7,	710.3,	710.3,	0.0);
(	512810.8,	3754499.7,	710.1,	710.1,	0.0);	(512835.8,	3754499.7,	709.9,	709.9,	0.0);
(	512860.8,	3754499.7,	709.7,	709.7,	0.0);	(512885.8,	3754499.7,	709.6,	709.6,	0.0);
(	512910.8,	3754499.7,	709.4,	709.4,	0.0);	(512935.8,	3754499.7,	709.0,	709.0,	0.0);
(	512960.8,	3754499.7,	708.4,	708.4,	0.0);	(512985.8,	3754499.7,	707.5,	707.5,	0.0);
(	511985.8,	3754524.7,	726.0,	726.0,	0.0);	(512010.8,	3754524.7,	725.6,	725.6,	0.0);
(	512035.8,	3754524.7,	725.3,	725.3,	0.0);	(512060.8,	3754524.7,	724.8,	724.8,	0.0);
(	512085.8,	3754524.7,	724.4,	724.4,	0.0);	(512110.8,	3754524.7,	724.0,	724.0,	0.0);
(	512135.8,	3754524.7,	723.6,	723.6,	0.0);	(512160.8,	3754524.7,	723.1,	723.1,	0.0);
(	512185.8,	3754524.7,	722.6,	722.6,	0.0);	(512210.8,	3754524.7,	722.2,	722.2,	0.0);
(	512235.8,	3754524.7,	721.6,	721.6,	0.0);	(512260.8,	3754524.7,	721.0,	721.0,	0.0);
(	512285.8,	3754524.7,	720.5,	720.5,	0.0);	(512310.8,	3754524.7,	720.3,	720.3,	0.0);
(	512335.8,	3754524.7,	720.1,	720.1,	0.0);	(512360.8,	3754524.7,	719.6,	719.6,	0.0);
(	512385.8,	3754524.7,	719.1,	719.1,	0.0);	(512410.8,	3754524.7,	718.7,	718.7,	0.0);
(	512435.8,	3754524.7,	718.3,	718.3,	0.0);	(512460.8,	3754524.7,	717.9,	717.9,	0.0);
(	512485.8,	3754524.7,	717.5,	717.5,	0.0);	(512510.8,	3754524.7,	717.0,	717.0,	0.0);
(	512535.8,	3754524.7,	716.5,	716.5,	0.0);	(512560.8,	3754524.7,	716.0,	716.0,	0.0);
(	512585.8,	3754524.7,	715.5,	715.5,	0.0);	(512610.8,	3754524.7,	714.9,	714.9,	0.0);
(	512635.8,	3754524.7,	714.3,	714.3,	0.0);	(512660.8,	3754524.7,	713.8,	713.8,	0.0);
(	512685.8,	3754524.7,	713.2,	713.2,	0.0);	(512710.8,	3754524.7,	712.7,	712.7,	0.0);
(	512735.8,	3754524.7,	712.1,	712.1,	0.0);	(512760.8,	3754524.7,	711.7,	711.7,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512785.8,	3754524.7,	711.4,	711.4,	0.0);	(	512810.8,	3754524.7,	711.0,	711.0,	0.0);
(	512835.8,	3754524.7,	710.7,	710.7,	0.0);	(	512860.8,	3754524.7,	710.4,	710.4,	0.0);
(	512885.8,	3754524.7,	710.2,	710.2,	0.0);	(	512910.8,	3754524.7,	709.8,	709.8,	0.0);
(	512935.8,	3754524.7,	709.4,	709.4,	0.0);	(	512960.8,	3754524.7,	708.7,	708.7,	0.0);
(	512985.8,	3754524.7,	707.8,	707.8,	0.0);	(	511985.8,	3754549.7,	727.0,	727.0,	0.0);
(	512010.8,	3754549.7,	726.6,	726.6,	0.0);	(	512035.8,	3754549.7,	726.2,	726.2,	0.0);
(	512060.8,	3754549.7,	725.8,	725.8,	0.0);	(	512085.8,	3754549.7,	725.3,	725.3,	0.0);
(	512110.8,	3754549.7,	724.9,	724.9,	0.0);	(	512135.8,	3754549.7,	724.4,	724.4,	0.0);
(	512160.8,	3754549.7,	724.0,	724.0,	0.0);	(	512185.8,	3754549.7,	723.5,	723.5,	0.0);
(	512210.8,	3754549.7,	723.0,	723.0,	0.0);	(	512235.8,	3754549.7,	722.5,	722.5,	0.0);
(	512260.8,	3754549.7,	722.0,	722.0,	0.0);	(	512285.8,	3754549.7,	721.5,	721.5,	0.0);
(	512310.8,	3754549.7,	721.3,	721.3,	0.0);	(	512335.8,	3754549.7,	720.9,	720.9,	0.0);
(	512360.8,	3754549.7,	720.4,	720.4,	0.0);	(	512385.8,	3754549.7,	719.8,	719.8,	0.0);
(	512410.8,	3754549.7,	719.6,	719.6,	0.0);	(	512435.8,	3754549.7,	719.2,	719.2,	0.0);
(	512460.8,	3754549.7,	718.8,	718.8,	0.0);	(	512485.8,	3754549.7,	718.4,	718.4,	0.0);
(	512510.8,	3754549.7,	717.9,	717.9,	0.0);	(	512535.8,	3754549.7,	717.4,	717.4,	0.0);
(	512560.8,	3754549.7,	716.9,	716.9,	0.0);	(	512585.8,	3754549.7,	716.4,	716.4,	0.0);
(	512610.8,	3754549.7,	715.9,	715.9,	0.0);	(	512635.8,	3754549.7,	715.2,	715.2,	0.0);
(	512660.8,	3754549.7,	714.8,	714.8,	0.0);	(	512685.8,	3754549.7,	714.2,	714.2,	0.0);
(	512710.8,	3754549.7,	713.6,	713.6,	0.0);	(	512735.8,	3754549.7,	713.1,	713.1,	0.0);
(	512760.8,	3754549.7,	712.6,	712.6,	0.0);	(	512785.8,	3754549.7,	712.3,	712.3,	0.0);
(	512810.8,	3754549.7,	711.8,	711.8,	0.0);	(	512835.8,	3754549.7,	711.6,	711.6,	0.0);
(	512860.8,	3754549.7,	711.2,	711.2,	0.0);	(	512885.8,	3754549.7,	710.7,	710.7,	0.0);
(	512910.8,	3754549.7,	710.3,	710.3,	0.0);	(	512935.8,	3754549.7,	709.6,	709.6,	0.0);
(	512960.8,	3754549.7,	708.9,	708.9,	0.0);	(	512985.8,	3754549.7,	708.1,	708.1,	0.0);
(	511985.8,	3754574.7,	727.9,	727.9,	0.0);	(	512010.8,	3754574.7,	727.5,	727.5,	0.0);
(	512035.8,	3754574.7,	727.1,	727.1,	0.0);	(	512060.8,	3754574.7,	726.7,	726.7,	0.0);
(	512085.8,	3754574.7,	726.2,	726.2,	0.0);	(	512110.8,	3754574.7,	725.8,	725.8,	0.0);
(	512135.8,	3754574.7,	725.3,	725.3,	0.0);	(	512160.8,	3754574.7,	724.9,	724.9,	0.0);
(	512185.8,	3754574.7,	724.4,	724.4,	0.0);	(	512210.8,	3754574.7,	723.9,	723.9,	0.0);
(	512235.8,	3754574.7,	723.5,	723.5,	0.0);	(	512260.8,	3754574.7,	723.0,	723.0,	0.0);
(	512285.8,	3754574.7,	722.6,	722.6,	0.0);	(	512310.8,	3754574.7,	722.2,	722.2,	0.0);
(	512335.8,	3754574.7,	721.8,	721.8,	0.0);	(	512360.8,	3754574.7,	721.3,	721.3,	0.0);
(	512385.8,	3754574.7,	720.8,	720.8,	0.0);	(	512410.8,	3754574.7,	720.5,	720.5,	0.0);
(	512435.8,	3754574.7,	720.1,	720.1,	0.0);	(	512460.8,	3754574.7,	719.7,	719.7,	0.0);
(	512485.8,	3754574.7,	719.3,	719.3,	0.0);	(	512510.8,	3754574.7,	718.8,	718.8,	0.0);
(	512535.8,	3754574.7,	718.3,	718.3,	0.0);	(	512560.8,	3754574.7,	717.8,	717.8,	0.0);
(	512585.8,	3754574.7,	717.3,	717.3,	0.0);	(	512610.8,	3754574.7,	716.8,	716.8,	0.0);
(	512635.8,	3754574.7,	716.2,	716.2,	0.0);	(	512660.8,	3754574.7,	715.6,	715.6,	0.0);
(	512685.8,	3754574.7,	715.2,	715.2,	0.0);	(	512710.8,	3754574.7,	714.6,	714.6,	0.0);
(	512735.8,	3754574.7,	714.1,	714.1,	0.0);	(	512760.8,	3754574.7,	713.6,	713.6,	0.0);
(	512785.8,	3754574.7,	713.1,	713.1,	0.0);	(	512810.8,	3754574.7,	712.7,	712.7,	0.0);
(	512835.8,	3754574.7,	712.2,	712.2,	0.0);	(	512860.8,	3754574.7,	711.8,	711.8,	0.0);
(	512885.8,	3754574.7,	711.4,	711.4,	0.0);	(	512910.8,	3754574.7,	710.7,	710.7,	0.0);
(	512935.8,	3754574.7,	710.0,	710.0,	0.0);	(	512960.8,	3754574.7,	709.2,	709.2,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(512985.8, 3754574.7,	708.3,	708.3,	0.0);	(511985.8, 3754599.7,	728.9,	728.9,	0.0);
(512010.8, 3754599.7,	728.5,	728.5,	0.0);	(512035.8, 3754599.7,	728.0,	728.0,	0.0);
(512060.8, 3754599.7,	727.6,	727.6,	0.0);	(512085.8, 3754599.7,	727.2,	727.2,	0.0);
(512110.8, 3754599.7,	726.7,	726.7,	0.0);	(512135.8, 3754599.7,	726.3,	726.3,	0.0);
(512160.8, 3754599.7,	725.8,	725.8,	0.0);	(512185.8, 3754599.7,	725.3,	725.3,	0.0);
(512210.8, 3754599.7,	724.8,	724.8,	0.0);	(512235.8, 3754599.7,	724.4,	724.4,	0.0);
(512260.8, 3754599.7,	724.0,	724.0,	0.0);	(512285.8, 3754599.7,	723.5,	723.5,	0.0);
(512310.8, 3754599.7,	723.1,	723.1,	0.0);	(512335.8, 3754599.7,	722.7,	722.7,	0.0);
(512360.8, 3754599.7,	722.2,	722.2,	0.0);	(512385.8, 3754599.7,	721.8,	721.8,	0.0);
(512410.8, 3754599.7,	721.4,	721.4,	0.0);	(512435.8, 3754599.7,	721.0,	721.0,	0.0);
(512460.8, 3754599.7,	720.6,	720.6,	0.0);	(512485.8, 3754599.7,	720.2,	720.2,	0.0);
(512510.8, 3754599.7,	719.8,	719.8,	0.0);	(512535.8, 3754599.7,	719.3,	719.3,	0.0);
(512560.8, 3754599.7,	718.8,	718.8,	0.0);	(512585.8, 3754599.7,	718.2,	718.2,	0.0);
(512610.8, 3754599.7,	717.7,	717.7,	0.0);	(512635.8, 3754599.7,	717.1,	717.1,	0.0);
(512660.8, 3754599.7,	716.6,	716.6,	0.0);	(512685.8, 3754599.7,	716.1,	716.1,	0.0);
(512710.8, 3754599.7,	715.5,	715.5,	0.0);	(512735.8, 3754599.7,	715.0,	715.0,	0.0);
(512760.8, 3754599.7,	714.5,	714.5,	0.0);	(512785.8, 3754599.7,	714.1,	714.1,	0.0);
(512810.8, 3754599.7,	713.5,	713.5,	0.0);	(512835.8, 3754599.7,	713.0,	713.0,	0.0);
(512860.8, 3754599.7,	712.5,	712.5,	0.0);	(512885.8, 3754599.7,	712.0,	712.0,	0.0);
(512910.8, 3754599.7,	711.3,	711.3,	0.0);	(512935.8, 3754599.7,	710.6,	710.6,	0.0);
(512960.8, 3754599.7,	709.7,	709.7,	0.0);	(512985.8, 3754599.7,	708.8,	708.8,	0.0);
(511985.8, 3754624.7,	729.8,	729.8,	0.0);	(512010.8, 3754624.7,	729.4,	729.4,	0.0);
(512035.8, 3754624.7,	729.0,	729.0,	0.0);	(512060.8, 3754624.7,	728.5,	728.5,	0.0);
(512085.8, 3754624.7,	728.1,	728.1,	0.0);	(512110.8, 3754624.7,	727.6,	727.6,	0.0);
(512135.8, 3754624.7,	727.2,	727.2,	0.0);	(512160.8, 3754624.7,	726.8,	726.8,	0.0);
(512185.8, 3754624.7,	726.2,	726.2,	0.0);	(512210.8, 3754624.7,	725.8,	725.8,	0.0);
(512235.8, 3754624.7,	725.4,	725.4,	0.0);	(512260.8, 3754624.7,	724.9,	724.9,	0.0);
(512285.8, 3754624.7,	724.5,	724.5,	0.0);	(512310.8, 3754624.7,	724.1,	724.1,	0.0);
(512335.8, 3754624.7,	723.6,	723.6,	0.0);	(512360.8, 3754624.7,	723.2,	723.2,	0.0);
(512385.8, 3754624.7,	722.8,	722.8,	0.0);	(512410.8, 3754624.7,	722.4,	722.4,	0.0);
(512435.8, 3754624.7,	721.9,	721.9,	0.0);	(512460.8, 3754624.7,	721.5,	721.5,	0.0);
(512485.8, 3754624.7,	721.1,	721.1,	0.0);	(512510.8, 3754624.7,	720.6,	720.6,	0.0);
(512535.8, 3754624.7,	720.2,	720.2,	0.0);	(512560.8, 3754624.7,	719.6,	719.6,	0.0);
(512585.8, 3754624.7,	719.1,	719.1,	0.0);	(512610.8, 3754624.7,	718.6,	718.6,	0.0);
(512635.8, 3754624.7,	718.0,	718.0,	0.0);	(512660.8, 3754624.7,	717.4,	717.4,	0.0);
(512685.8, 3754624.7,	716.9,	716.9,	0.0);	(512710.8, 3754624.7,	716.4,	716.4,	0.0);
(512735.8, 3754624.7,	715.9,	715.9,	0.0);	(512760.8, 3754624.7,	715.4,	715.4,	0.0);
(512785.8, 3754624.7,	714.9,	714.9,	0.0);	(512810.8, 3754624.7,	714.4,	714.4,	0.0);
(512835.8, 3754624.7,	713.8,	713.8,	0.0);	(512860.8, 3754624.7,	713.3,	713.3,	0.0);
(512885.8, 3754624.7,	712.6,	712.6,	0.0);	(512910.8, 3754624.7,	711.9,	711.9,	0.0);
(512935.8, 3754624.7,	711.2,	711.2,	0.0);	(512960.8, 3754624.7,	710.5,	710.5,	0.0);
(512985.8, 3754624.7,	709.8,	709.8,	0.0);	(511985.8, 3754649.7,	730.7,	730.7,	0.0);
(512010.8, 3754649.7,	730.3,	730.3,	0.0);	(512035.8, 3754649.7,	729.9,	729.9,	0.0);
(512060.8, 3754649.7,	729.5,	729.5,	0.0);	(512085.8, 3754649.7,	729.0,	729.0,	0.0);
(512110.8, 3754649.7,	728.5,	728.5,	0.0);	(512135.8, 3754649.7,	728.1,	728.1,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512160.8,	3754649.7,	727.7,	727.7,	0.0);	(	512185.8,	3754649.7,	727.1,	727.1,	0.0);
(	512210.8,	3754649.7,	726.7,	726.7,	0.0);	(	512235.8,	3754649.7,	726.4,	726.4,	0.0);
(	512260.8,	3754649.7,	725.9,	725.9,	0.0);	(	512285.8,	3754649.7,	725.4,	725.4,	0.0);
(	512310.8,	3754649.7,	725.0,	725.0,	0.0);	(	512335.8,	3754649.7,	724.6,	724.6,	0.0);
(	512360.8,	3754649.7,	724.1,	724.1,	0.0);	(	512385.8,	3754649.7,	723.7,	723.7,	0.0);
(	512410.8,	3754649.7,	723.3,	723.3,	0.0);	(	512435.8,	3754649.7,	722.8,	722.8,	0.0);
(	512460.8,	3754649.7,	722.4,	722.4,	0.0);	(	512485.8,	3754649.7,	721.9,	721.9,	0.0);
(	512510.8,	3754649.7,	721.5,	721.5,	0.0);	(	512535.8,	3754649.7,	721.0,	721.0,	0.0);
(	512560.8,	3754649.7,	720.5,	720.5,	0.0);	(	512585.8,	3754649.7,	719.9,	719.9,	0.0);
(	512610.8,	3754649.7,	719.4,	719.4,	0.0);	(	512635.8,	3754649.7,	718.8,	718.8,	0.0);
(	512660.8,	3754649.7,	718.3,	718.3,	0.0);	(	512685.8,	3754649.7,	717.8,	717.8,	0.0);
(	512710.8,	3754649.7,	717.3,	717.3,	0.0);	(	512735.8,	3754649.7,	716.7,	716.7,	0.0);
(	512760.8,	3754649.7,	716.2,	716.2,	0.0);	(	512785.8,	3754649.7,	715.7,	715.7,	0.0);
(	512810.8,	3754649.7,	715.1,	715.1,	0.0);	(	512835.8,	3754649.7,	714.5,	714.5,	0.0);
(	512860.8,	3754649.7,	713.8,	713.8,	0.0);	(	512885.8,	3754649.7,	713.2,	713.2,	0.0);
(	512910.8,	3754649.7,	712.6,	712.6,	0.0);	(	512935.8,	3754649.7,	711.9,	711.9,	0.0);
(	512960.8,	3754649.7,	711.2,	711.2,	0.0);	(	512985.8,	3754649.7,	710.6,	710.6,	0.0);
(	511985.8,	3754674.7,	731.6,	731.6,	0.0);	(	512010.8,	3754674.7,	731.2,	731.2,	0.0);
(	512035.8,	3754674.7,	730.9,	730.9,	0.0);	(	512060.8,	3754674.7,	730.4,	730.4,	0.0);
(	512085.8,	3754674.7,	729.9,	729.9,	0.0);	(	512110.8,	3754674.7,	729.4,	729.4,	0.0);
(	512135.8,	3754674.7,	729.0,	729.0,	0.0);	(	512160.8,	3754674.7,	728.5,	728.5,	0.0);
(	512185.8,	3754674.7,	728.1,	728.1,	0.0);	(	512210.8,	3754674.7,	727.7,	727.7,	0.0);
(	512235.8,	3754674.7,	727.3,	727.3,	0.0);	(	512260.8,	3754674.7,	726.8,	726.8,	0.0);
(	512285.8,	3754674.7,	726.4,	726.4,	0.0);	(	512310.8,	3754674.7,	726.0,	726.0,	0.0);
(	512335.8,	3754674.7,	725.6,	725.6,	0.0);	(	512360.8,	3754674.7,	725.1,	725.1,	0.0);
(	512385.8,	3754674.7,	724.6,	724.6,	0.0);	(	512410.8,	3754674.7,	724.3,	724.3,	0.0);
(	512435.8,	3754674.7,	723.8,	723.8,	0.0);	(	512460.8,	3754674.7,	723.3,	723.3,	0.0);
(	512485.8,	3754674.7,	722.9,	722.9,	0.0);	(	512510.8,	3754674.7,	722.4,	722.4,	0.0);
(	512535.8,	3754674.7,	721.9,	721.9,	0.0);	(	512560.8,	3754674.7,	721.3,	721.3,	0.0);
(	512585.8,	3754674.7,	720.8,	720.8,	0.0);	(	512610.8,	3754674.7,	720.3,	720.3,	0.0);
(	512635.8,	3754674.7,	719.6,	719.6,	0.0);	(	512660.8,	3754674.7,	719.1,	719.1,	0.0);
(	512685.8,	3754674.7,	718.7,	718.7,	0.0);	(	512710.8,	3754674.7,	718.2,	718.2,	0.0);
(	512735.8,	3754674.7,	717.6,	717.6,	0.0);	(	512760.8,	3754674.7,	717.0,	717.0,	0.0);
(	512785.8,	3754674.7,	716.4,	716.4,	0.0);	(	512810.8,	3754674.7,	715.8,	715.8,	0.0);
(	512835.8,	3754674.7,	715.3,	715.3,	0.0);	(	512860.8,	3754674.7,	714.8,	714.8,	0.0);
(	512885.8,	3754674.7,	714.1,	714.1,	0.0);	(	512910.8,	3754674.7,	713.4,	713.4,	0.0);
(	512935.8,	3754674.7,	712.7,	712.7,	0.0);	(	512960.8,	3754674.7,	712.0,	712.0,	0.0);
(	512985.8,	3754674.7,	711.4,	711.4,	0.0);	(	511985.8,	3754699.7,	732.5,	732.5,	0.0);
(	512010.8,	3754699.7,	732.2,	732.2,	0.0);	(	512035.8,	3754699.7,	731.8,	731.8,	0.0);
(	512060.8,	3754699.7,	731.3,	731.3,	0.0);	(	512085.8,	3754699.7,	730.8,	730.8,	0.0);
(	512110.8,	3754699.7,	730.3,	730.3,	0.0);	(	512135.8,	3754699.7,	729.8,	729.8,	0.0);
(	512160.8,	3754699.7,	729.4,	729.4,	0.0);	(	512185.8,	3754699.7,	729.0,	729.0,	0.0);
(	512210.8,	3754699.7,	728.6,	728.6,	0.0);	(	512235.8,	3754699.7,	728.2,	728.2,	0.0);
(	512260.8,	3754699.7,	727.8,	727.8,	0.0);	(	512285.8,	3754699.7,	727.4,	727.4,	0.0);
(	512310.8,	3754699.7,	726.9,	726.9,	0.0);	(	512335.8,	3754699.7,	726.5,	726.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512360.8,	3754699.7,	726.0,	726.0,	0.0);	(	512385.8,	3754699.7,	725.6,	725.6,	0.0);
(	512410.8,	3754699.7,	725.2,	725.2,	0.0);	(	512435.8,	3754699.7,	724.6,	724.6,	0.0);
(	512460.8,	3754699.7,	724.2,	724.2,	0.0);	(	512485.8,	3754699.7,	723.7,	723.7,	0.0);
(	512510.8,	3754699.7,	723.2,	723.2,	0.0);	(	512535.8,	3754699.7,	722.7,	722.7,	0.0);
(	512560.8,	3754699.7,	722.2,	722.2,	0.0);	(	512585.8,	3754699.7,	721.6,	721.6,	0.0);
(	512610.8,	3754699.7,	721.0,	721.0,	0.0);	(	512635.8,	3754699.7,	720.4,	720.4,	0.0);
(	512660.8,	3754699.7,	719.9,	719.9,	0.0);	(	512685.8,	3754699.7,	719.7,	719.7,	0.0);
(	512710.8,	3754699.7,	719.0,	719.0,	0.0);	(	512735.8,	3754699.7,	718.4,	718.4,	0.0);
(	512760.8,	3754699.7,	717.7,	717.7,	0.0);	(	512785.8,	3754699.7,	717.1,	717.1,	0.0);
(	512810.8,	3754699.7,	716.6,	716.6,	0.0);	(	512835.8,	3754699.7,	716.1,	716.1,	0.0);
(	512860.8,	3754699.7,	715.5,	715.5,	0.0);	(	512885.8,	3754699.7,	714.8,	714.8,	0.0);
(	512910.8,	3754699.7,	714.2,	714.2,	0.0);	(	512935.8,	3754699.7,	713.5,	713.5,	0.0);
(	512960.8,	3754699.7,	712.9,	712.9,	0.0);	(	512985.8,	3754699.7,	712.2,	712.2,	0.0);
(	511985.8,	3754724.7,	733.4,	733.4,	0.0);	(	512010.8,	3754724.7,	733.1,	733.1,	0.0);
(	512035.8,	3754724.7,	732.7,	732.7,	0.0);	(	512060.8,	3754724.7,	732.2,	732.2,	0.0);
(	512085.8,	3754724.7,	731.6,	731.6,	0.0);	(	512110.8,	3754724.7,	731.1,	731.1,	0.0);
(	512135.8,	3754724.7,	730.7,	730.7,	0.0);	(	512160.8,	3754724.7,	730.3,	730.3,	0.0);
(	512185.8,	3754724.7,	729.9,	729.9,	0.0);	(	512210.8,	3754724.7,	729.5,	729.5,	0.0);
(	512235.8,	3754724.7,	729.2,	729.2,	0.0);	(	512260.8,	3754724.7,	728.8,	728.8,	0.0);
(	512285.8,	3754724.7,	728.3,	728.3,	0.0);	(	512310.8,	3754724.7,	727.9,	727.9,	0.0);
(	512335.8,	3754724.7,	727.5,	727.5,	0.0);	(	512360.8,	3754724.7,	727.0,	727.0,	0.0);
(	512385.8,	3754724.7,	726.5,	726.5,	0.0);	(	512410.8,	3754724.7,	726.1,	726.1,	0.0);
(	512435.8,	3754724.7,	725.6,	725.6,	0.0);	(	512460.8,	3754724.7,	725.1,	725.1,	0.0);
(	512485.8,	3754724.7,	724.6,	724.6,	0.0);	(	512510.8,	3754724.7,	724.1,	724.1,	0.0);
(	512535.8,	3754724.7,	723.6,	723.6,	0.0);	(	512560.8,	3754724.7,	723.1,	723.1,	0.0);
(	512585.8,	3754724.7,	722.4,	722.4,	0.0);	(	512610.8,	3754724.7,	721.8,	721.8,	0.0);
(	512635.8,	3754724.7,	721.3,	721.3,	0.0);	(	512660.8,	3754724.7,	720.9,	720.9,	0.0);
(	512685.8,	3754724.7,	720.4,	720.4,	0.0);	(	512710.8,	3754724.7,	719.8,	719.8,	0.0);
(	512735.8,	3754724.7,	719.1,	719.1,	0.0);	(	512760.8,	3754724.7,	718.5,	718.5,	0.0);
(	512785.8,	3754724.7,	717.9,	717.9,	0.0);	(	512810.8,	3754724.7,	717.5,	717.5,	0.0);
(	512835.8,	3754724.7,	716.9,	716.9,	0.0);	(	512860.8,	3754724.7,	716.3,	716.3,	0.0);
(	512885.8,	3754724.7,	715.7,	715.7,	0.0);	(	512910.8,	3754724.7,	715.1,	715.1,	0.0);
(	512935.8,	3754724.7,	714.3,	714.3,	0.0);	(	512960.8,	3754724.7,	713.7,	713.7,	0.0);
(	512985.8,	3754724.7,	712.9,	712.9,	0.0);	(	511985.8,	3754749.7,	734.3,	734.3,	0.0);
(	512010.8,	3754749.7,	733.9,	733.9,	0.0);	(	512035.8,	3754749.7,	733.5,	733.5,	0.0);
(	512060.8,	3754749.7,	733.0,	733.0,	0.0);	(	512085.8,	3754749.7,	732.4,	732.4,	0.0);
(	512110.8,	3754749.7,	732.0,	732.0,	0.0);	(	512135.8,	3754749.7,	731.6,	731.6,	0.0);
(	512160.8,	3754749.7,	731.3,	731.3,	0.0);	(	512185.8,	3754749.7,	730.9,	730.9,	0.0);
(	512210.8,	3754749.7,	730.5,	730.5,	0.0);	(	512235.8,	3754749.7,	730.2,	730.2,	0.0);
(	512260.8,	3754749.7,	729.8,	729.8,	0.0);	(	512285.8,	3754749.7,	729.3,	729.3,	0.0);
(	512310.8,	3754749.7,	728.8,	728.8,	0.0);	(	512335.8,	3754749.7,	728.4,	728.4,	0.0);
(	512360.8,	3754749.7,	727.9,	727.9,	0.0);	(	512385.8,	3754749.7,	727.5,	727.5,	0.0);
(	512410.8,	3754749.7,	727.0,	727.0,	0.0);	(	512435.8,	3754749.7,	726.5,	726.5,	0.0);
(	512460.8,	3754749.7,	726.0,	726.0,	0.0);	(	512485.8,	3754749.7,	725.5,	725.5,	0.0);
(	512510.8,	3754749.7,	724.9,	724.9,	0.0);	(	512535.8,	3754749.7,	724.5,	724.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512560.8,	3754749.7,	723.9,	723.9,	0.0);	(	512585.8,	3754749.7,	723.3,	723.3,	0.0);
(	512610.8,	3754749.7,	722.7,	722.7,	0.0);	(	512635.8,	3754749.7,	722.2,	722.2,	0.0);
(	512660.8,	3754749.7,	721.7,	721.7,	0.0);	(	512685.8,	3754749.7,	721.2,	721.2,	0.0);
(	512710.8,	3754749.7,	720.5,	720.5,	0.0);	(	512735.8,	3754749.7,	719.8,	719.8,	0.0);
(	512760.8,	3754749.7,	719.1,	719.1,	0.0);	(	512785.8,	3754749.7,	718.8,	718.8,	0.0);
(	512810.8,	3754749.7,	718.3,	718.3,	0.0);	(	512835.8,	3754749.7,	717.8,	717.8,	0.0);
(	512860.8,	3754749.7,	717.1,	717.1,	0.0);	(	512885.8,	3754749.7,	716.5,	716.5,	0.0);
(	512910.8,	3754749.7,	715.8,	715.8,	0.0);	(	512935.8,	3754749.7,	715.2,	715.2,	0.0);
(	512960.8,	3754749.7,	714.5,	714.5,	0.0);	(	512985.8,	3754749.7,	713.7,	713.7,	0.0);
(	511985.8,	3754774.7,	735.2,	735.2,	0.0);	(	512010.8,	3754774.7,	734.9,	734.9,	0.0);
(	512035.8,	3754774.7,	734.4,	734.4,	0.0);	(	512060.8,	3754774.7,	733.9,	733.9,	0.0);
(	512085.8,	3754774.7,	733.4,	733.4,	0.0);	(	512110.8,	3754774.7,	732.9,	732.9,	0.0);
(	512135.8,	3754774.7,	732.6,	732.6,	0.0);	(	512160.8,	3754774.7,	732.3,	732.3,	0.0);
(	512185.8,	3754774.7,	731.8,	731.8,	0.0);	(	512210.8,	3754774.7,	731.5,	731.5,	0.0);
(	512235.8,	3754774.7,	731.2,	731.2,	0.0);	(	512260.8,	3754774.7,	730.7,	730.7,	0.0);
(	512285.8,	3754774.7,	730.2,	730.2,	0.0);	(	512310.8,	3754774.7,	729.8,	729.8,	0.0);
(	512335.8,	3754774.7,	729.3,	729.3,	0.0);	(	512360.8,	3754774.7,	728.9,	728.9,	0.0);
(	512385.8,	3754774.7,	728.4,	728.4,	0.0);	(	512410.8,	3754774.7,	728.0,	728.0,	0.0);
(	512435.8,	3754774.7,	727.4,	727.4,	0.0);	(	512460.8,	3754774.7,	727.0,	727.0,	0.0);
(	512485.8,	3754774.7,	726.4,	726.4,	0.0);	(	512510.8,	3754774.7,	725.9,	725.9,	0.0);
(	512535.8,	3754774.7,	725.3,	725.3,	0.0);	(	512560.8,	3754774.7,	724.7,	724.7,	0.0);
(	512585.8,	3754774.7,	724.1,	724.1,	0.0);	(	512610.8,	3754774.7,	723.6,	723.6,	0.0);
(	512635.8,	3754774.7,	723.1,	723.1,	0.0);	(	512660.8,	3754774.7,	722.5,	722.5,	0.0);
(	512685.8,	3754774.7,	721.9,	721.9,	0.0);	(	512710.8,	3754774.7,	721.2,	721.2,	0.0);
(	512735.8,	3754774.7,	720.4,	720.4,	0.0);	(	512760.8,	3754774.7,	720.0,	720.0,	0.0);
(	512785.8,	3754774.7,	719.7,	719.7,	0.0);	(	512810.8,	3754774.7,	719.1,	719.1,	0.0);
(	512835.8,	3754774.7,	718.5,	718.5,	0.0);	(	512860.8,	3754774.7,	717.9,	717.9,	0.0);
(	512885.8,	3754774.7,	717.3,	717.3,	0.0);	(	512910.8,	3754774.7,	716.7,	716.7,	0.0);
(	512935.8,	3754774.7,	716.0,	716.0,	0.0);	(	512960.8,	3754774.7,	715.4,	715.4,	0.0);
(	512985.8,	3754774.7,	714.6,	714.6,	0.0);	(	511985.8,	3754799.7,	736.2,	736.2,	0.0);
(	512010.8,	3754799.7,	735.7,	735.7,	0.0);	(	512035.8,	3754799.7,	735.3,	735.3,	0.0);
(	512060.8,	3754799.7,	734.9,	734.9,	0.0);	(	512085.8,	3754799.7,	734.4,	734.4,	0.0);
(	512110.8,	3754799.7,	734.0,	734.0,	0.0);	(	512135.8,	3754799.7,	733.6,	733.6,	0.0);
(	512160.8,	3754799.7,	733.2,	733.2,	0.0);	(	512185.8,	3754799.7,	732.7,	732.7,	0.0);
(	512210.8,	3754799.7,	732.6,	732.6,	0.0);	(	512235.8,	3754799.7,	732.2,	732.2,	0.0);
(	512260.8,	3754799.7,	731.6,	731.6,	0.0);	(	512285.8,	3754799.7,	731.1,	731.1,	0.0);
(	512310.8,	3754799.7,	730.6,	730.6,	0.0);	(	512335.8,	3754799.7,	730.3,	730.3,	0.0);
(	512360.8,	3754799.7,	729.9,	729.9,	0.0);	(	512385.8,	3754799.7,	729.3,	729.3,	0.0);
(	512410.8,	3754799.7,	728.9,	728.9,	0.0);	(	512435.8,	3754799.7,	728.4,	728.4,	0.0);
(	512460.8,	3754799.7,	727.9,	727.9,	0.0);	(	512485.8,	3754799.7,	727.4,	727.4,	0.0);
(	512510.8,	3754799.7,	726.7,	726.7,	0.0);	(	512535.8,	3754799.7,	726.1,	726.1,	0.0);
(	512560.8,	3754799.7,	725.6,	725.6,	0.0);	(	512585.8,	3754799.7,	725.1,	725.1,	0.0);
(	512610.8,	3754799.7,	724.5,	724.5,	0.0);	(	512635.8,	3754799.7,	723.9,	723.9,	0.0);
(	512660.8,	3754799.7,	723.3,	723.3,	0.0);	(	512685.8,	3754799.7,	722.7,	722.7,	0.0);
(	512710.8,	3754799.7,	722.0,	722.0,	0.0);	(	512735.8,	3754799.7,	721.4,	721.4,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512760.8,	3754799.7,	721.0,	721.0,	0.0);	(512785.8,	3754799.7,	720.5,	720.5,	0.0);
(	512810.8,	3754799.7,	720.0,	720.0,	0.0);	(512835.8,	3754799.7,	719.4,	719.4,	0.0);
(	512860.8,	3754799.7,	718.8,	718.8,	0.0);	(512885.8,	3754799.7,	718.1,	718.1,	0.0);
(	512910.8,	3754799.7,	717.5,	717.5,	0.0);	(512935.8,	3754799.7,	716.8,	716.8,	0.0);
(	512960.8,	3754799.7,	716.1,	716.1,	0.0);	(512985.8,	3754799.7,	715.4,	715.4,	0.0);
(	511985.8,	3754824.7,	737.1,	737.1,	0.0);	(512010.8,	3754824.7,	736.8,	736.8,	0.0);
(	512035.8,	3754824.7,	736.3,	736.3,	0.0);	(512060.8,	3754824.7,	735.9,	735.9,	0.0);
(	512085.8,	3754824.7,	735.4,	735.4,	0.0);	(512110.8,	3754824.7,	735.0,	735.0,	0.0);
(	512135.8,	3754824.7,	734.6,	734.6,	0.0);	(512160.8,	3754824.7,	734.1,	734.1,	0.0);
(	512185.8,	3754824.7,	733.8,	733.8,	0.0);	(512210.8,	3754824.7,	733.5,	733.5,	0.0);
(	512235.8,	3754824.7,	733.0,	733.0,	0.0);	(512260.8,	3754824.7,	732.5,	732.5,	0.0);
(	512285.8,	3754824.7,	732.0,	732.0,	0.0);	(512310.8,	3754824.7,	731.6,	731.6,	0.0);
(	512335.8,	3754824.7,	731.2,	731.2,	0.0);	(512360.8,	3754824.7,	730.8,	730.8,	0.0);
(	512385.8,	3754824.7,	730.4,	730.4,	0.0);	(512410.8,	3754824.7,	729.9,	729.9,	0.0);
(	512435.8,	3754824.7,	729.4,	729.4,	0.0);	(512460.8,	3754824.7,	728.9,	728.9,	0.0);
(	512485.8,	3754824.7,	728.2,	728.2,	0.0);	(512510.8,	3754824.7,	727.6,	727.6,	0.0);
(	512535.8,	3754824.7,	727.0,	727.0,	0.0);	(512560.8,	3754824.7,	726.5,	726.5,	0.0);
(	512585.8,	3754824.7,	725.8,	725.8,	0.0);	(512610.8,	3754824.7,	725.3,	725.3,	0.0);
(	512635.8,	3754824.7,	724.7,	724.7,	0.0);	(512660.8,	3754824.7,	724.2,	724.2,	0.0);
(	512685.8,	3754824.7,	723.6,	723.6,	0.0);	(512710.8,	3754824.7,	722.9,	722.9,	0.0);
(	512735.8,	3754824.7,	722.4,	722.4,	0.0);	(512760.8,	3754824.7,	721.9,	721.9,	0.0);
(	512785.8,	3754824.7,	721.4,	721.4,	0.0);	(512810.8,	3754824.7,	720.8,	720.8,	0.0);
(	512835.8,	3754824.7,	720.2,	720.2,	0.0);	(512860.8,	3754824.7,	719.6,	719.6,	0.0);
(	512885.8,	3754824.7,	719.0,	719.0,	0.0);	(512910.8,	3754824.7,	718.3,	718.3,	0.0);
(	512935.8,	3754824.7,	717.6,	717.6,	0.0);	(512960.8,	3754824.7,	716.9,	716.9,	0.0);
(	512985.8,	3754824.7,	716.1,	716.1,	0.0);	(511985.8,	3754849.7,	738.0,	738.0,	0.0);
(	512010.8,	3754849.7,	737.8,	737.8,	0.0);	(512035.8,	3754849.7,	737.3,	737.3,	0.0);
(	512060.8,	3754849.7,	736.9,	736.9,	0.0);	(512085.8,	3754849.7,	736.4,	736.4,	0.0);
(	512110.8,	3754849.7,	736.1,	736.1,	0.0);	(512135.8,	3754849.7,	735.6,	735.6,	0.0);
(	512160.8,	3754849.7,	735.2,	735.2,	0.0);	(512185.8,	3754849.7,	734.8,	734.8,	0.0);
(	512210.8,	3754849.7,	734.4,	734.4,	0.0);	(512235.8,	3754849.7,	733.9,	733.9,	0.0);
(	512260.8,	3754849.7,	733.3,	733.3,	0.0);	(512285.8,	3754849.7,	732.8,	732.8,	0.0);
(	512310.8,	3754849.7,	732.6,	732.6,	0.0);	(512335.8,	3754849.7,	732.2,	732.2,	0.0);
(	512360.8,	3754849.7,	731.7,	731.7,	0.0);	(512385.8,	3754849.7,	731.3,	731.3,	0.0);
(	512410.8,	3754849.7,	731.0,	731.0,	0.0);	(512435.8,	3754849.7,	730.5,	730.5,	0.0);
(	512460.8,	3754849.7,	729.8,	729.8,	0.0);	(512485.8,	3754849.7,	729.1,	729.1,	0.0);
(	512510.8,	3754849.7,	728.4,	728.4,	0.0);	(512535.8,	3754849.7,	727.8,	727.8,	0.0);
(	512560.8,	3754849.7,	727.2,	727.2,	0.0);	(512585.8,	3754849.7,	726.7,	726.7,	0.0);
(	512610.8,	3754849.7,	726.2,	726.2,	0.0);	(512635.8,	3754849.7,	725.7,	725.7,	0.0);
(	512660.8,	3754849.7,	725.0,	725.0,	0.0);	(512685.8,	3754849.7,	724.5,	724.5,	0.0);
(	512710.8,	3754849.7,	723.9,	723.9,	0.0);	(512735.8,	3754849.7,	723.3,	723.3,	0.0);
(	512760.8,	3754849.7,	722.8,	722.8,	0.0);	(512785.8,	3754849.7,	722.2,	722.2,	0.0);
(	512810.8,	3754849.7,	721.6,	721.6,	0.0);	(512835.8,	3754849.7,	721.0,	721.0,	0.0);
(	512860.8,	3754849.7,	720.4,	720.4,	0.0);	(512885.8,	3754849.7,	719.8,	719.8,	0.0);
(	512910.8,	3754849.7,	719.2,	719.2,	0.0);	(512935.8,	3754849.7,	718.4,	718.4,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512960.8,	3754849.7,	717.6,	717.6,	0.0);	(	512985.8,	3754849.7,	716.8,	716.8,	0.0);
(	511985.8,	3754874.7,	739.1,	739.1,	0.0);	(	512010.8,	3754874.7,	738.8,	738.8,	0.0);
(	512035.8,	3754874.7,	738.3,	738.3,	0.0);	(	512060.8,	3754874.7,	737.9,	737.9,	0.0);
(	512085.8,	3754874.7,	737.5,	737.5,	0.0);	(	512110.8,	3754874.7,	737.1,	737.1,	0.0);
(	512135.8,	3754874.7,	736.6,	736.6,	0.0);	(	512160.8,	3754874.7,	736.1,	736.1,	0.0);
(	512185.8,	3754874.7,	735.7,	735.7,	0.0);	(	512210.8,	3754874.7,	735.3,	735.3,	0.0);
(	512235.8,	3754874.7,	734.8,	734.8,	0.0);	(	512260.8,	3754874.7,	734.3,	734.3,	0.0);
(	512285.8,	3754874.7,	733.8,	733.8,	0.0);	(	512310.8,	3754874.7,	733.5,	733.5,	0.0);
(	512335.8,	3754874.7,	733.0,	733.0,	0.0);	(	512360.8,	3754874.7,	732.6,	732.6,	0.0);
(	512385.8,	3754874.7,	732.3,	732.3,	0.0);	(	512410.8,	3754874.7,	732.2,	732.2,	0.0);
(	512435.8,	3754874.7,	731.3,	731.3,	0.0);	(	512460.8,	3754874.7,	730.4,	730.4,	0.0);
(	512485.8,	3754874.7,	729.7,	729.7,	0.0);	(	512510.8,	3754874.7,	729.2,	729.2,	0.0);
(	512535.8,	3754874.7,	728.6,	728.6,	0.0);	(	512560.8,	3754874.7,	728.1,	728.1,	0.0);
(	512585.8,	3754874.7,	727.7,	727.7,	0.0);	(	512610.8,	3754874.7,	727.2,	727.2,	0.0);
(	512635.8,	3754874.7,	726.6,	726.6,	0.0);	(	512660.8,	3754874.7,	726.0,	726.0,	0.0);
(	512685.8,	3754874.7,	725.4,	725.4,	0.0);	(	512710.8,	3754874.7,	724.8,	724.8,	0.0);
(	512735.8,	3754874.7,	724.2,	724.2,	0.0);	(	512760.8,	3754874.7,	723.7,	723.7,	0.0);
(	512785.8,	3754874.7,	723.1,	723.1,	0.0);	(	512810.8,	3754874.7,	722.4,	722.4,	0.0);
(	512835.8,	3754874.7,	721.8,	721.8,	0.0);	(	512860.8,	3754874.7,	721.2,	721.2,	0.0);
(	512885.8,	3754874.7,	720.7,	720.7,	0.0);	(	512910.8,	3754874.7,	720.0,	720.0,	0.0);
(	512935.8,	3754874.7,	719.0,	719.0,	0.0);	(	512960.8,	3754874.7,	718.2,	718.2,	0.0);
(	512985.8,	3754874.7,	717.5,	717.5,	0.0);	(	511985.8,	3754899.7,	740.2,	740.2,	0.0);
(	512010.8,	3754899.7,	739.8,	739.8,	0.0);	(	512035.8,	3754899.7,	739.4,	739.4,	0.0);
(	512060.8,	3754899.7,	738.9,	738.9,	0.0);	(	512085.8,	3754899.7,	738.5,	738.5,	0.0);
(	512110.8,	3754899.7,	738.1,	738.1,	0.0);	(	512135.8,	3754899.7,	737.7,	737.7,	0.0);
(	512160.8,	3754899.7,	737.1,	737.1,	0.0);	(	512185.8,	3754899.7,	736.6,	736.6,	0.0);
(	512210.8,	3754899.7,	736.3,	736.3,	0.0);	(	512235.8,	3754899.7,	735.7,	735.7,	0.0);
(	512260.8,	3754899.7,	735.2,	735.2,	0.0);	(	512285.8,	3754899.7,	734.8,	734.8,	0.0);
(	512310.8,	3754899.7,	734.4,	734.4,	0.0);	(	512335.8,	3754899.7,	733.9,	733.9,	0.0);
(	512360.8,	3754899.7,	733.5,	733.5,	0.0);	(	512385.8,	3754899.7,	733.2,	733.2,	0.0);
(	512410.8,	3754899.7,	732.7,	732.7,	0.0);	(	512435.8,	3754899.7,	731.8,	731.8,	0.0);
(	512460.8,	3754899.7,	731.1,	731.1,	0.0);	(	512485.8,	3754899.7,	730.5,	730.5,	0.0);
(	512510.8,	3754899.7,	729.9,	729.9,	0.0);	(	512535.8,	3754899.7,	729.5,	729.5,	0.0);
(	512560.8,	3754899.7,	729.0,	729.0,	0.0);	(	512585.8,	3754899.7,	728.6,	728.6,	0.0);
(	512610.8,	3754899.7,	728.0,	728.0,	0.0);	(	512635.8,	3754899.7,	727.5,	727.5,	0.0);
(	512660.8,	3754899.7,	726.9,	726.9,	0.0);	(	512685.8,	3754899.7,	726.3,	726.3,	0.0);
(	512710.8,	3754899.7,	725.7,	725.7,	0.0);	(	512735.8,	3754899.7,	725.1,	725.1,	0.0);
(	512760.8,	3754899.7,	724.5,	724.5,	0.0);	(	512785.8,	3754899.7,	723.9,	723.9,	0.0);
(	512810.8,	3754899.7,	723.2,	723.2,	0.0);	(	512835.8,	3754899.7,	722.6,	722.6,	0.0);
(	512860.8,	3754899.7,	722.0,	722.0,	0.0);	(	512885.8,	3754899.7,	721.2,	721.2,	0.0);
(	512910.8,	3754899.7,	720.3,	720.3,	0.0);	(	512935.8,	3754899.7,	719.5,	719.5,	0.0);
(	512960.8,	3754899.7,	718.8,	718.8,	0.0);	(	512985.8,	3754899.7,	718.2,	718.2,	0.0);
(	511985.8,	3754924.7,	741.2,	741.2,	0.0);	(	512010.8,	3754924.7,	740.9,	740.9,	0.0);
(	512035.8,	3754924.7,	740.5,	740.5,	0.0);	(	512060.8,	3754924.7,	740.0,	740.0,	0.0);
(	512085.8,	3754924.7,	739.5,	739.5,	0.0);	(	512110.8,	3754924.7,	739.1,	739.1,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512135.8,	3754924.7,	738.6,	738.6,	0.0);	(512160.8,	3754924.7,	738.1,	738.1,	0.0);
(	512185.8,	3754924.7,	737.6,	737.6,	0.0);	(512210.8,	3754924.7,	737.2,	737.2,	0.0);
(	512235.8,	3754924.7,	736.6,	736.6,	0.0);	(512260.8,	3754924.7,	736.1,	736.1,	0.0);
(	512285.8,	3754924.7,	735.7,	735.7,	0.0);	(512310.8,	3754924.7,	735.2,	735.2,	0.0);
(	512335.8,	3754924.7,	734.8,	734.8,	0.0);	(512360.8,	3754924.7,	734.4,	734.4,	0.0);
(	512385.8,	3754924.7,	733.9,	733.9,	0.0);	(512410.8,	3754924.7,	733.2,	733.2,	0.0);
(	512435.8,	3754924.7,	732.5,	732.5,	0.0);	(512460.8,	3754924.7,	731.9,	731.9,	0.0);
(	512485.8,	3754924.7,	731.3,	731.3,	0.0);	(512510.8,	3754924.7,	730.8,	730.8,	0.0);
(	512535.8,	3754924.7,	730.4,	730.4,	0.0);	(512560.8,	3754924.7,	730.0,	730.0,	0.0);
(	512585.8,	3754924.7,	729.5,	729.5,	0.0);	(512610.8,	3754924.7,	729.0,	729.0,	0.0);
(	512635.8,	3754924.7,	728.4,	728.4,	0.0);	(512660.8,	3754924.7,	727.8,	727.8,	0.0);
(	512685.8,	3754924.7,	727.3,	727.3,	0.0);	(512710.8,	3754924.7,	726.6,	726.6,	0.0);
(	512735.8,	3754924.7,	726.0,	726.0,	0.0);	(512760.8,	3754924.7,	725.3,	725.3,	0.0);
(	512785.8,	3754924.7,	724.8,	724.8,	0.0);	(512810.8,	3754924.7,	724.1,	724.1,	0.0);
(	512835.8,	3754924.7,	723.4,	723.4,	0.0);	(512860.8,	3754924.7,	722.7,	722.7,	0.0);
(	512885.8,	3754924.7,	721.8,	721.8,	0.0);	(512910.8,	3754924.7,	720.9,	720.9,	0.0);
(	512935.8,	3754924.7,	720.2,	720.2,	0.0);	(512960.8,	3754924.7,	719.6,	719.6,	0.0);
(	512985.8,	3754924.7,	718.9,	718.9,	0.0);	(511985.8,	3754949.7,	742.3,	742.3,	0.0);
(	512010.8,	3754949.7,	741.9,	741.9,	0.0);	(512035.8,	3754949.7,	741.5,	741.5,	0.0);
(	512060.8,	3754949.7,	741.1,	741.1,	0.0);	(512085.8,	3754949.7,	740.5,	740.5,	0.0);
(	512110.8,	3754949.7,	740.1,	740.1,	0.0);	(512135.8,	3754949.7,	739.6,	739.6,	0.0);
(	512160.8,	3754949.7,	739.1,	739.1,	0.0);	(512185.8,	3754949.7,	738.5,	738.5,	0.0);
(	512210.8,	3754949.7,	738.1,	738.1,	0.0);	(512235.8,	3754949.7,	737.6,	737.6,	0.0);
(	512260.8,	3754949.7,	737.1,	737.1,	0.0);	(512285.8,	3754949.7,	736.6,	736.6,	0.0);
(	512310.8,	3754949.7,	736.1,	736.1,	0.0);	(512335.8,	3754949.7,	735.7,	735.7,	0.0);
(	512360.8,	3754949.7,	735.2,	735.2,	0.0);	(512385.8,	3754949.7,	734.6,	734.6,	0.0);
(	512410.8,	3754949.7,	733.9,	733.9,	0.0);	(512435.8,	3754949.7,	733.3,	733.3,	0.0);
(	512460.8,	3754949.7,	732.7,	732.7,	0.0);	(512485.8,	3754949.7,	732.0,	732.0,	0.0);
(	512510.8,	3754949.7,	731.7,	731.7,	0.0);	(512535.8,	3754949.7,	731.4,	731.4,	0.0);
(	512560.8,	3754949.7,	731.0,	731.0,	0.0);	(512585.8,	3754949.7,	730.5,	730.5,	0.0);
(	512610.8,	3754949.7,	730.0,	730.0,	0.0);	(512635.8,	3754949.7,	729.4,	729.4,	0.0);
(	512660.8,	3754949.7,	728.8,	728.8,	0.0);	(512685.8,	3754949.7,	728.2,	728.2,	0.0);
(	512710.8,	3754949.7,	727.6,	727.6,	0.0);	(512735.8,	3754949.7,	726.9,	726.9,	0.0);
(	512760.8,	3754949.7,	726.2,	726.2,	0.0);	(512785.8,	3754949.7,	725.6,	725.6,	0.0);
(	512810.8,	3754949.7,	724.8,	724.8,	0.0);	(512835.8,	3754949.7,	724.1,	724.1,	0.0);
(	512860.8,	3754949.7,	723.4,	723.4,	0.0);	(512885.8,	3754949.7,	722.6,	722.6,	0.0);
(	512910.8,	3754949.7,	721.8,	721.8,	0.0);	(512935.8,	3754949.7,	721.0,	721.0,	0.0);
(	512960.8,	3754949.7,	720.3,	720.3,	0.0);	(512985.8,	3754949.7,	719.7,	719.7,	0.0);
(	511985.8,	3754974.7,	743.3,	743.3,	0.0);	(512010.8,	3754974.7,	742.9,	742.9,	0.0);
(	512035.8,	3754974.7,	742.5,	742.5,	0.0);	(512060.8,	3754974.7,	742.1,	742.1,	0.0);
(	512085.8,	3754974.7,	741.5,	741.5,	0.0);	(512110.8,	3754974.7,	741.0,	741.0,	0.0);
(	512135.8,	3754974.7,	740.6,	740.6,	0.0);	(512160.8,	3754974.7,	740.0,	740.0,	0.0);
(	512185.8,	3754974.7,	739.6,	739.6,	0.0);	(512210.8,	3754974.7,	739.0,	739.0,	0.0);
(	512235.8,	3754974.7,	738.5,	738.5,	0.0);	(512260.8,	3754974.7,	737.9,	737.9,	0.0);
(	512285.8,	3754974.7,	737.5,	737.5,	0.0);	(512310.8,	3754974.7,	737.1,	737.1,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512335.8,	3754974.7,	736.5,	736.5,	0.0);	(512360.8,	3754974.7,	736.0,	736.0,	0.0);
(	512385.8,	3754974.7,	735.4,	735.4,	0.0);	(512410.8,	3754974.7,	734.8,	734.8,	0.0);
(	512435.8,	3754974.7,	734.2,	734.2,	0.0);	(512460.8,	3754974.7,	733.5,	733.5,	0.0);
(	512485.8,	3754974.7,	732.9,	732.9,	0.0);	(512510.8,	3754974.7,	732.7,	732.7,	0.0);
(	512535.8,	3754974.7,	732.4,	732.4,	0.0);	(512560.8,	3754974.7,	731.9,	731.9,	0.0);
(	512585.8,	3754974.7,	731.4,	731.4,	0.0);	(512610.8,	3754974.7,	730.9,	730.9,	0.0);
(	512635.8,	3754974.7,	730.3,	730.3,	0.0);	(512660.8,	3754974.7,	729.7,	729.7,	0.0);
(	512685.8,	3754974.7,	729.1,	729.1,	0.0);	(512710.8,	3754974.7,	728.5,	728.5,	0.0);
(	512735.8,	3754974.7,	727.8,	727.8,	0.0);	(512760.8,	3754974.7,	727.1,	727.1,	0.0);
(	512785.8,	3754974.7,	726.3,	726.3,	0.0);	(512810.8,	3754974.7,	725.6,	725.6,	0.0);
(	512835.8,	3754974.7,	724.9,	724.9,	0.0);	(512860.8,	3754974.7,	724.2,	724.2,	0.0);
(	512885.8,	3754974.7,	723.4,	723.4,	0.0);	(512910.8,	3754974.7,	722.6,	722.6,	0.0);
(	512935.8,	3754974.7,	721.8,	721.8,	0.0);	(512960.8,	3754974.7,	721.1,	721.1,	0.0);
(	512985.8,	3754974.7,	720.4,	720.4,	0.0);	(511985.8,	3754999.7,	744.2,	744.2,	0.0);
(	512010.8,	3754999.7,	743.9,	743.9,	0.0);	(512035.8,	3754999.7,	743.6,	743.6,	0.0);
(	512060.8,	3754999.7,	743.0,	743.0,	0.0);	(512085.8,	3754999.7,	742.5,	742.5,	0.0);
(	512110.8,	3754999.7,	742.0,	742.0,	0.0);	(512135.8,	3754999.7,	741.6,	741.6,	0.0);
(	512160.8,	3754999.7,	741.1,	741.1,	0.0);	(512185.8,	3754999.7,	740.5,	740.5,	0.0);
(	512210.8,	3754999.7,	739.9,	739.9,	0.0);	(512235.8,	3754999.7,	739.4,	739.4,	0.0);
(	512260.8,	3754999.7,	738.9,	738.9,	0.0);	(512285.8,	3754999.7,	738.4,	738.4,	0.0);
(	512310.8,	3754999.7,	737.9,	737.9,	0.0);	(512335.8,	3754999.7,	737.4,	737.4,	0.0);
(	512360.8,	3754999.7,	736.8,	736.8,	0.0);	(512385.8,	3754999.7,	736.2,	736.2,	0.0);
(	512410.8,	3754999.7,	735.7,	735.7,	0.0);	(512435.8,	3754999.7,	735.1,	735.1,	0.0);
(	512460.8,	3754999.7,	734.5,	734.5,	0.0);	(512485.8,	3754999.7,	734.0,	734.0,	0.0);
(	512510.8,	3754999.7,	733.6,	733.6,	0.0);	(512535.8,	3754999.7,	733.2,	733.2,	0.0);
(	512560.8,	3754999.7,	732.8,	732.8,	0.0);	(512585.8,	3754999.7,	732.4,	732.4,	0.0);
(	512610.8,	3754999.7,	731.8,	731.8,	0.0);	(512635.8,	3754999.7,	731.2,	731.2,	0.0);
(	512660.8,	3754999.7,	730.6,	730.6,	0.0);	(512685.8,	3754999.7,	730.0,	730.0,	0.0);
(	512710.8,	3754999.7,	729.4,	729.4,	0.0);	(512735.8,	3754999.7,	728.7,	728.7,	0.0);
(	512760.8,	3754999.7,	728.0,	728.0,	0.0);	(512785.8,	3754999.7,	727.3,	727.3,	0.0);
(	512810.8,	3754999.7,	726.5,	726.5,	0.0);	(512835.8,	3754999.7,	725.7,	725.7,	0.0);
(	512860.8,	3754999.7,	725.0,	725.0,	0.0);	(512885.8,	3754999.7,	724.2,	724.2,	0.0);
(	512910.8,	3754999.7,	723.5,	723.5,	0.0);	(512935.8,	3754999.7,	722.7,	722.7,	0.0);
(	512960.8,	3754999.7,	721.9,	721.9,	0.0);	(512985.8,	3754999.7,	721.2,	721.2,	0.0);
(	511985.8,	3755024.7,	745.2,	745.2,	0.0);	(512010.8,	3755024.7,	744.9,	744.9,	0.0);
(	512035.8,	3755024.7,	744.6,	744.6,	0.0);	(512060.8,	3755024.7,	743.9,	743.9,	0.0);
(	512085.8,	3755024.7,	743.4,	743.4,	0.0);	(512110.8,	3755024.7,	743.0,	743.0,	0.0);
(	512135.8,	3755024.7,	742.6,	742.6,	0.0);	(512160.8,	3755024.7,	742.0,	742.0,	0.0);
(	512185.8,	3755024.7,	741.4,	741.4,	0.0);	(512210.8,	3755024.7,	740.8,	740.8,	0.0);
(	512235.8,	3755024.7,	740.2,	740.2,	0.0);	(512260.8,	3755024.7,	739.8,	739.8,	0.0);
(	512285.8,	3755024.7,	739.2,	739.2,	0.0);	(512310.8,	3755024.7,	738.7,	738.7,	0.0);
(	512335.8,	3755024.7,	738.2,	738.2,	0.0);	(512360.8,	3755024.7,	737.6,	737.6,	0.0);
(	512385.8,	3755024.7,	737.1,	737.1,	0.0);	(512410.8,	3755024.7,	736.6,	736.6,	0.0);
(	512435.8,	3755024.7,	736.1,	736.1,	0.0);	(512460.8,	3755024.7,	735.6,	735.6,	0.0);
(	512485.8,	3755024.7,	735.1,	735.1,	0.0);	(512510.8,	3755024.7,	734.6,	734.6,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(512535.8,	3755024.7,	734.2,	734.2,	0.0);	(512560.8,	3755024.7,	733.7,	733.7,	0.0);
(512585.8,	3755024.7,	733.2,	733.2,	0.0);	(512610.8,	3755024.7,	732.7,	732.7,	0.0);
(512635.8,	3755024.7,	732.0,	732.0,	0.0);	(512660.8,	3755024.7,	731.4,	731.4,	0.0);
(512685.8,	3755024.7,	730.9,	730.9,	0.0);	(512710.8,	3755024.7,	730.3,	730.3,	0.0);
(512735.8,	3755024.7,	729.6,	729.6,	0.0);	(512760.8,	3755024.7,	728.9,	728.9,	0.0);
(512785.8,	3755024.7,	728.1,	728.1,	0.0);	(512810.8,	3755024.7,	727.4,	727.4,	0.0);
(512835.8,	3755024.7,	726.5,	726.5,	0.0);	(512860.8,	3755024.7,	725.8,	725.8,	0.0);
(512885.8,	3755024.7,	725.0,	725.0,	0.0);	(512910.8,	3755024.7,	724.3,	724.3,	0.0);
(512935.8,	3755024.7,	723.4,	723.4,	0.0);	(512960.8,	3755024.7,	722.7,	722.7,	0.0);
(512985.8,	3755024.7,	722.1,	722.1,	0.0);	(511985.8,	3755049.7,	746.1,	746.1,	0.0);
(512010.8,	3755049.7,	745.8,	745.8,	0.0);	(512035.8,	3755049.7,	745.3,	745.3,	0.0);
(512060.8,	3755049.7,	744.8,	744.8,	0.0);	(512085.8,	3755049.7,	744.2,	744.2,	0.0);
(512110.8,	3755049.7,	744.0,	744.0,	0.0);	(512135.8,	3755049.7,	743.6,	743.6,	0.0);
(512160.8,	3755049.7,	742.9,	742.9,	0.0);	(512185.8,	3755049.7,	742.2,	742.2,	0.0);
(512210.8,	3755049.7,	741.6,	741.6,	0.0);	(512235.8,	3755049.7,	741.1,	741.1,	0.0);
(512260.8,	3755049.7,	740.6,	740.6,	0.0);	(512285.8,	3755049.7,	740.1,	740.1,	0.0);
(512310.8,	3755049.7,	739.6,	739.6,	0.0);	(512335.8,	3755049.7,	739.1,	739.1,	0.0);
(512360.8,	3755049.7,	738.6,	738.6,	0.0);	(512385.8,	3755049.7,	738.0,	738.0,	0.0);
(512410.8,	3755049.7,	737.5,	737.5,	0.0);	(512435.8,	3755049.7,	737.1,	737.1,	0.0);
(512460.8,	3755049.7,	736.6,	736.6,	0.0);	(512485.8,	3755049.7,	736.1,	736.1,	0.0);
(512510.8,	3755049.7,	735.5,	735.5,	0.0);	(512535.8,	3755049.7,	735.0,	735.0,	0.0);
(512560.8,	3755049.7,	734.6,	734.6,	0.0);	(512585.8,	3755049.7,	734.0,	734.0,	0.0);
(512610.8,	3755049.7,	733.4,	733.4,	0.0);	(512635.8,	3755049.7,	732.7,	732.7,	0.0);
(512660.8,	3755049.7,	732.3,	732.3,	0.0);	(512685.8,	3755049.7,	731.9,	731.9,	0.0);
(512710.8,	3755049.7,	731.2,	731.2,	0.0);	(512735.8,	3755049.7,	730.5,	730.5,	0.0);
(512760.8,	3755049.7,	729.7,	729.7,	0.0);	(512785.8,	3755049.7,	728.9,	728.9,	0.0);
(512810.8,	3755049.7,	728.2,	728.2,	0.0);	(512835.8,	3755049.7,	727.3,	727.3,	0.0);
(512860.8,	3755049.7,	726.5,	726.5,	0.0);	(512885.8,	3755049.7,	725.8,	725.8,	0.0);
(512910.8,	3755049.7,	725.0,	725.0,	0.0);	(512935.8,	3755049.7,	724.2,	724.2,	0.0);
(512960.8,	3755049.7,	723.6,	723.6,	0.0);	(512985.8,	3755049.7,	723.0,	723.0,	0.0);
(511985.8,	3755074.7,	747.0,	747.0,	0.0);	(512010.8,	3755074.7,	746.7,	746.7,	0.0);
(512035.8,	3755074.7,	746.2,	746.2,	0.0);	(512060.8,	3755074.7,	745.7,	745.7,	0.0);
(512085.8,	3755074.7,	745.2,	745.2,	0.0);	(512110.8,	3755074.7,	745.0,	745.0,	0.0);
(512135.8,	3755074.7,	744.6,	744.6,	0.0);	(512160.8,	3755074.7,	743.7,	743.7,	0.0);
(512185.8,	3755074.7,	743.0,	743.0,	0.0);	(512210.8,	3755074.7,	742.5,	742.5,	0.0);
(512235.8,	3755074.7,	742.0,	742.0,	0.0);	(512260.8,	3755074.7,	741.5,	741.5,	0.0);
(512285.8,	3755074.7,	741.0,	741.0,	0.0);	(512310.8,	3755074.7,	740.5,	740.5,	0.0);
(512335.8,	3755074.7,	740.0,	740.0,	0.0);	(512360.8,	3755074.7,	739.5,	739.5,	0.0);
(512385.8,	3755074.7,	739.0,	739.0,	0.0);	(512410.8,	3755074.7,	738.5,	738.5,	0.0);
(512435.8,	3755074.7,	738.0,	738.0,	0.0);	(512460.8,	3755074.7,	737.6,	737.6,	0.0);
(512485.8,	3755074.7,	737.0,	737.0,	0.0);	(512510.8,	3755074.7,	736.5,	736.5,	0.0);
(512535.8,	3755074.7,	735.9,	735.9,	0.0);	(512560.8,	3755074.7,	735.4,	735.4,	0.0);
(512585.8,	3755074.7,	734.9,	734.9,	0.0);	(512610.8,	3755074.7,	734.2,	734.2,	0.0);
(512635.8,	3755074.7,	733.7,	733.7,	0.0);	(512660.8,	3755074.7,	733.2,	733.2,	0.0);
(512685.8,	3755074.7,	732.7,	732.7,	0.0);	(512710.8,	3755074.7,	732.1,	732.1,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	512735.8,	3755074.7,	731.3,	731.3,	0.0);	(	512760.8,	3755074.7,	730.6,	730.6,	0.0);
(	512785.8,	3755074.7,	729.8,	729.8,	0.0);	(	512810.8,	3755074.7,	729.0,	729.0,	0.0);
(	512835.8,	3755074.7,	728.1,	728.1,	0.0);	(	512860.8,	3755074.7,	727.4,	727.4,	0.0);
(	512885.8,	3755074.7,	726.6,	726.6,	0.0);	(	512910.8,	3755074.7,	725.8,	725.8,	0.0);
(	512935.8,	3755074.7,	725.0,	725.0,	0.0);	(	512960.8,	3755074.7,	724.4,	724.4,	0.0);
(	512985.8,	3755074.7,	723.8,	723.8,	0.0);	(	511511.3,	3753960.2,	715.5,	715.5,	0.0);
(	511561.3,	3753960.2,	714.8,	714.8,	0.0);	(	511611.3,	3753960.2,	714.0,	714.0,	0.0);
(	511661.3,	3753960.2,	713.3,	713.3,	0.0);	(	511711.3,	3753960.2,	712.5,	712.5,	0.0);
(	511761.3,	3753960.2,	711.8,	711.8,	0.0);	(	511811.3,	3753960.2,	711.0,	711.0,	0.0);
(	511861.3,	3753960.2,	710.1,	710.1,	0.0);	(	511911.3,	3753960.2,	709.2,	709.2,	0.0);
(	511961.3,	3753960.2,	708.5,	708.5,	0.0);	(	512011.3,	3753960.2,	707.9,	707.9,	0.0);
(	512061.3,	3753960.2,	707.3,	707.3,	0.0);	(	512111.3,	3753960.2,	706.6,	706.6,	0.0);
(	512161.3,	3753960.2,	705.9,	705.9,	0.0);	(	512211.3,	3753960.2,	705.1,	705.1,	0.0);
(	512261.3,	3753960.2,	704.2,	704.2,	0.0);	(	512311.3,	3753960.2,	703.5,	703.5,	0.0);
(	512361.3,	3753960.2,	702.7,	702.7,	0.0);	(	512411.3,	3753960.2,	701.9,	701.9,	0.0);
(	512461.3,	3753960.2,	701.0,	701.0,	0.0);	(	512511.3,	3753960.2,	700.0,	700.0,	0.0);
(	512561.3,	3753960.2,	699.0,	699.0,	0.0);	(	512611.3,	3753960.2,	697.9,	697.9,	0.0);
(	512661.3,	3753960.2,	697.2,	697.2,	0.0);	(	512711.3,	3753960.2,	696.6,	696.6,	0.0);
(	512761.3,	3753960.2,	695.9,	695.9,	0.0);	(	512811.3,	3753960.2,	694.9,	694.9,	0.0);
(	512861.3,	3753960.2,	693.8,	693.8,	0.0);	(	512911.3,	3753960.2,	692.7,	692.7,	0.0);
(	512961.3,	3753960.2,	691.6,	691.6,	0.0);	(	511511.3,	3754010.2,	716.8,	716.8,	0.0);
(	511561.3,	3754010.2,	715.9,	715.9,	0.0);	(	511611.3,	3754010.2,	715.2,	715.2,	0.0);
(	511661.3,	3754010.2,	714.5,	714.5,	0.0);	(	511711.3,	3754010.2,	713.8,	713.8,	0.0);
(	511761.3,	3754010.2,	713.0,	713.0,	0.0);	(	511811.3,	3754010.2,	712.2,	712.2,	0.0);
(	511861.3,	3754010.2,	711.4,	711.4,	0.0);	(	511911.3,	3754010.2,	710.6,	710.6,	0.0);
(	511961.3,	3754010.2,	710.0,	710.0,	0.0);	(	512011.3,	3754010.2,	709.4,	709.4,	0.0);
(	512061.3,	3754010.2,	708.8,	708.8,	0.0);	(	512111.3,	3754010.2,	708.1,	708.1,	0.0);
(	512161.3,	3754010.2,	707.3,	707.3,	0.0);	(	512211.3,	3754010.2,	706.4,	706.4,	0.0);
(	512261.3,	3754010.2,	705.6,	705.6,	0.0);	(	512311.3,	3754010.2,	704.8,	704.8,	0.0);
(	512361.3,	3754010.2,	704.0,	704.0,	0.0);	(	512411.3,	3754010.2,	703.2,	703.2,	0.0);
(	512461.3,	3754010.2,	702.4,	702.4,	0.0);	(	512511.3,	3754010.2,	701.4,	701.4,	0.0);
(	512561.3,	3754010.2,	700.4,	700.4,	0.0);	(	512611.3,	3754010.2,	699.6,	699.6,	0.0);
(	512661.3,	3754010.2,	698.8,	698.8,	0.0);	(	512711.3,	3754010.2,	698.0,	698.0,	0.0);
(	512761.3,	3754010.2,	697.2,	697.2,	0.0);	(	512811.3,	3754010.2,	696.3,	696.3,	0.0);
(	512861.3,	3754010.2,	695.4,	695.4,	0.0);	(	512911.3,	3754010.2,	694.3,	694.3,	0.0);
(	512961.3,	3754010.2,	693.1,	693.1,	0.0);	(	511511.3,	3754060.2,	717.8,	717.8,	0.0);
(	511561.3,	3754060.2,	717.1,	717.1,	0.0);	(	511611.3,	3754060.2,	716.3,	716.3,	0.0);
(	511661.3,	3754060.2,	715.6,	715.6,	0.0);	(	511711.3,	3754060.2,	715.0,	715.0,	0.0);
(	511761.3,	3754060.2,	714.3,	714.3,	0.0);	(	511811.3,	3754060.2,	713.6,	713.6,	0.0);
(	511861.3,	3754060.2,	712.8,	712.8,	0.0);	(	511911.3,	3754060.2,	712.1,	712.1,	0.0);
(	511961.3,	3754060.2,	711.4,	711.4,	0.0);	(	512011.3,	3754060.2,	710.8,	710.8,	0.0);
(	512061.3,	3754060.2,	710.2,	710.2,	0.0);	(	512111.3,	3754060.2,	709.5,	709.5,	0.0);
(	512161.3,	3754060.2,	708.6,	708.6,	0.0);	(	512211.3,	3754060.2,	707.8,	707.8,	0.0);
(	512261.3,	3754060.2,	707.0,	707.0,	0.0);	(	512311.3,	3754060.2,	706.1,	706.1,	0.0);
(	512361.3,	3754060.2,	705.4,	705.4,	0.0);	(	512411.3,	3754060.2,	704.7,	704.7,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(512461.3,	3754060.2,	703.8,	703.8,	0.0);	(512511.3,	3754060.2,	703.0,	703.0,	0.0);
(512561.3,	3754060.2,	701.8,	701.8,	0.0);	(512611.3,	3754060.2,	701.1,	701.1,	0.0);
(512661.3,	3754060.2,	700.1,	700.1,	0.0);	(512711.3,	3754060.2,	699.4,	699.4,	0.0);
(512761.3,	3754060.2,	698.5,	698.5,	0.0);	(512811.3,	3754060.2,	697.6,	697.6,	0.0);
(512861.3,	3754060.2,	696.8,	696.8,	0.0);	(512911.3,	3754060.2,	695.8,	695.8,	0.0);
(512961.3,	3754060.2,	694.5,	694.5,	0.0);	(513414.3,	3754017.1,	681.3,	681.3,	0.0);
(513464.3,	3754017.1,	679.6,	679.6,	0.0);	(513414.3,	3754067.1,	682.0,	682.0,	0.0);
(513464.3,	3754067.1,	680.6,	680.6,	0.0);	(513514.3,	3754067.1,	679.5,	679.5,	0.0);
(513414.3,	3754117.1,	682.6,	682.6,	0.0);	(513464.3,	3754117.1,	681.6,	681.6,	0.0);
(513514.3,	3754117.1,	680.6,	680.6,	0.0);	(513564.3,	3754117.1,	679.5,	679.5,	0.0);
(513414.3,	3754167.1,	684.0,	684.0,	0.0);	(513464.3,	3754167.1,	683.0,	683.0,	0.0);
(513514.3,	3754167.1,	681.9,	681.9,	0.0);	(513564.3,	3754167.1,	680.9,	680.9,	0.0);
(513414.3,	3754217.1,	685.8,	685.8,	0.0);	(513464.3,	3754217.1,	684.4,	684.4,	0.0);
(513514.3,	3754217.1,	683.3,	683.3,	0.0);	(513564.3,	3754217.1,	682.4,	682.4,	0.0);
(513414.3,	3754267.1,	687.4,	687.4,	0.0);	(513464.3,	3754267.1,	686.0,	686.0,	0.0);
(513514.3,	3754267.1,	684.9,	684.9,	0.0);	(513564.3,	3754267.1,	683.7,	683.7,	0.0);
(513018.0,	3754698.2,	711.1,	711.1,	0.0);	(513068.0,	3754698.2,	709.7,	709.7,	0.0);
(513118.0,	3754698.2,	708.7,	708.7,	0.0);	(513168.0,	3754698.2,	707.6,	707.6,	0.0);
(513218.0,	3754698.2,	706.2,	706.2,	0.0);	(513268.0,	3754698.2,	704.9,	704.9,	0.0);
(513318.0,	3754698.2,	703.5,	703.5,	0.0);	(513368.0,	3754698.2,	701.9,	701.9,	0.0);
(513418.0,	3754698.2,	700.2,	700.2,	0.0);	(513468.0,	3754698.2,	698.3,	698.3,	0.0);
(513518.0,	3754698.2,	696.3,	696.3,	0.0);	(513568.0,	3754698.2,	694.9,	694.9,	0.0);
(513618.0,	3754698.2,	693.2,	693.2,	0.0);	(513668.0,	3754698.2,	691.8,	691.8,	0.0);
(513718.0,	3754698.2,	690.3,	690.3,	0.0);	(513768.0,	3754698.2,	688.7,	688.7,	0.0);
(513818.0,	3754698.2,	687.3,	687.3,	0.0);	(513868.0,	3754698.2,	686.0,	686.0,	0.0);
(513918.0,	3754698.2,	684.5,	684.5,	0.0);	(513968.0,	3754698.2,	683.0,	683.0,	0.0);
(514018.0,	3754698.2,	681.1,	681.1,	0.0);	(513018.0,	3754748.2,	712.8,	712.8,	0.0);
(513068.0,	3754748.2,	711.5,	711.5,	0.0);	(513118.0,	3754748.2,	710.3,	710.3,	0.0);
(513168.0,	3754748.2,	709.1,	709.1,	0.0);	(513218.0,	3754748.2,	707.9,	707.9,	0.0);
(513268.0,	3754748.2,	706.7,	706.7,	0.0);	(513318.0,	3754748.2,	705.3,	705.3,	0.0);
(513368.0,	3754748.2,	703.5,	703.5,	0.0);	(513418.0,	3754748.2,	701.7,	701.7,	0.0);
(513468.0,	3754748.2,	699.8,	699.8,	0.0);	(513518.0,	3754748.2,	697.9,	697.9,	0.0);
(513568.0,	3754748.2,	695.9,	695.9,	0.0);	(513618.0,	3754748.2,	694.4,	694.4,	0.0);
(513668.0,	3754748.2,	693.2,	693.2,	0.0);	(513718.0,	3754748.2,	691.7,	691.7,	0.0);
(513768.0,	3754748.2,	689.9,	689.9,	0.0);	(513818.0,	3754748.2,	688.3,	688.3,	0.0);
(513868.0,	3754748.2,	686.8,	686.8,	0.0);	(513918.0,	3754748.2,	685.4,	685.4,	0.0);
(513968.0,	3754748.2,	683.9,	683.9,	0.0);	(514018.0,	3754748.2,	683.2,	683.2,	0.0);
(513018.0,	3754798.2,	714.4,	714.4,	0.0);	(513068.0,	3754798.2,	713.1,	713.1,	0.0);
(513118.0,	3754798.2,	711.8,	711.8,	0.0);	(513168.0,	3754798.2,	710.6,	710.6,	0.0);
(513218.0,	3754798.2,	709.5,	709.5,	0.0);	(513268.0,	3754798.2,	708.3,	708.3,	0.0);
(513318.0,	3754798.2,	707.0,	707.0,	0.0);	(513368.0,	3754798.2,	705.2,	705.2,	0.0);
(513418.0,	3754798.2,	703.2,	703.2,	0.0);	(513468.0,	3754798.2,	701.1,	701.1,	0.0);
(513518.0,	3754798.2,	699.2,	699.2,	0.0);	(513568.0,	3754798.2,	697.2,	697.2,	0.0);
(513618.0,	3754798.2,	696.0,	696.0,	0.0);	(513668.0,	3754798.2,	694.9,	694.9,	0.0);
(513718.0,	3754798.2,	693.0,	693.0,	0.0);	(513768.0,	3754798.2,	691.0,	691.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(513818.0,	3754798.2,	689.2,	689.2,	0.0);	(513868.0,	3754798.2,	687.7,	687.7,	0.0);
(513918.0,	3754798.2,	686.3,	686.3,	0.0);	(513968.0,	3754798.2,	685.0,	685.0,	0.0);
(514018.0,	3754798.2,	684.3,	684.3,	0.0);	(513018.0,	3754848.2,	715.8,	715.8,	0.0);
(513068.0,	3754848.2,	714.6,	714.6,	0.0);	(513118.0,	3754848.2,	713.4,	713.4,	0.0);
(513168.0,	3754848.2,	712.2,	712.2,	0.0);	(513218.0,	3754848.2,	711.0,	711.0,	0.0);
(513268.0,	3754848.2,	709.8,	709.8,	0.0);	(513318.0,	3754848.2,	708.4,	708.4,	0.0);
(513368.0,	3754848.2,	706.6,	706.6,	0.0);	(513418.0,	3754848.2,	704.4,	704.4,	0.0);
(513468.0,	3754848.2,	702.5,	702.5,	0.0);	(513518.0,	3754848.2,	700.6,	700.6,	0.0);
(513568.0,	3754848.2,	699.1,	699.1,	0.0);	(513618.0,	3754848.2,	697.6,	697.6,	0.0);
(513668.0,	3754848.2,	696.0,	696.0,	0.0);	(513718.0,	3754848.2,	694.0,	694.0,	0.0);
(513768.0,	3754848.2,	691.8,	691.8,	0.0);	(513818.0,	3754848.2,	690.1,	690.1,	0.0);
(513868.0,	3754848.2,	688.7,	688.7,	0.0);	(513918.0,	3754848.2,	687.4,	687.4,	0.0);
(513968.0,	3754848.2,	686.2,	686.2,	0.0);	(514018.0,	3754848.2,	685.4,	685.4,	0.0);
(513018.0,	3754898.2,	717.3,	717.3,	0.0);	(513068.0,	3754898.2,	716.1,	716.1,	0.0);
(513118.0,	3754898.2,	714.9,	714.9,	0.0);	(513168.0,	3754898.2,	713.7,	713.7,	0.0);
(513218.0,	3754898.2,	712.3,	712.3,	0.0);	(513268.0,	3754898.2,	711.0,	711.0,	0.0);
(513318.0,	3754898.2,	709.4,	709.4,	0.0);	(513368.0,	3754898.2,	707.5,	707.5,	0.0);
(513418.0,	3754898.2,	705.6,	705.6,	0.0);	(513468.0,	3754898.2,	703.9,	703.9,	0.0);
(513518.0,	3754898.2,	702.1,	702.1,	0.0);	(513568.0,	3754898.2,	700.4,	700.4,	0.0);
(513618.0,	3754898.2,	698.7,	698.7,	0.0);	(513668.0,	3754898.2,	696.9,	696.9,	0.0);
(513718.0,	3754898.2,	694.9,	694.9,	0.0);	(513768.0,	3754898.2,	692.7,	692.7,	0.0);
(513818.0,	3754898.2,	690.9,	690.9,	0.0);	(513868.0,	3754898.2,	689.8,	689.8,	0.0);
(513918.0,	3754898.2,	688.7,	688.7,	0.0);	(513968.0,	3754898.2,	687.5,	687.5,	0.0);
(514018.0,	3754898.2,	686.5,	686.5,	0.0);	(513018.0,	3754948.2,	718.8,	718.8,	0.0);
(513068.0,	3754948.2,	717.8,	717.8,	0.0);	(513118.0,	3754948.2,	716.6,	716.6,	0.0);
(513168.0,	3754948.2,	715.3,	715.3,	0.0);	(513218.0,	3754948.2,	713.7,	713.7,	0.0);
(513268.0,	3754948.2,	712.2,	712.2,	0.0);	(513318.0,	3754948.2,	710.4,	710.4,	0.0);
(513368.0,	3754948.2,	708.6,	708.6,	0.0);	(513418.0,	3754948.2,	707.1,	707.1,	0.0);
(513468.0,	3754948.2,	705.5,	705.5,	0.0);	(513518.0,	3754948.2,	703.7,	703.7,	0.0);
(513568.0,	3754948.2,	701.5,	701.5,	0.0);	(513618.0,	3754948.2,	699.5,	699.5,	0.0);
(513668.0,	3754948.2,	697.7,	697.7,	0.0);	(513718.0,	3754948.2,	695.7,	695.7,	0.0);
(513768.0,	3754948.2,	693.5,	693.5,	0.0);	(513818.0,	3754948.2,	692.5,	692.5,	0.0);
(513868.0,	3754948.2,	691.7,	691.7,	0.0);	(513918.0,	3754948.2,	690.7,	690.7,	0.0);
(513968.0,	3754948.2,	689.2,	689.2,	0.0);	(514018.0,	3754948.2,	687.8,	687.8,	0.0);
(513018.0,	3754998.2,	720.4,	720.4,	0.0);	(513068.0,	3754998.2,	719.5,	719.5,	0.0);
(513118.0,	3754998.2,	718.3,	718.3,	0.0);	(513168.0,	3754998.2,	716.9,	716.9,	0.0);
(513218.0,	3754998.2,	715.3,	715.3,	0.0);	(513268.0,	3754998.2,	713.4,	713.4,	0.0);
(513318.0,	3754998.2,	711.7,	711.7,	0.0);	(513368.0,	3754998.2,	710.1,	710.1,	0.0);
(513418.0,	3754998.2,	708.6,	708.6,	0.0);	(513468.0,	3754998.2,	707.2,	707.2,	0.0);
(513518.0,	3754998.2,	705.2,	705.2,	0.0);	(513568.0,	3754998.2,	702.6,	702.6,	0.0);
(513618.0,	3754998.2,	700.3,	700.3,	0.0);	(513668.0,	3754998.2,	698.2,	698.2,	0.0);
(513718.0,	3754998.2,	696.2,	696.2,	0.0);	(513768.0,	3754998.2,	694.9,	694.9,	0.0);
(513818.0,	3754998.2,	695.2,	695.2,	0.0);	(513868.0,	3754998.2,	694.8,	694.8,	0.0);
(513918.0,	3754998.2,	693.3,	693.3,	0.0);	(513968.0,	3754998.2,	691.2,	691.2,	0.0);
(514018.0,	3754998.2,	689.0,	689.0,	0.0);	(513018.0,	3755048.2,	722.2,	722.2,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(513068.0,	3755048.2,	721.0,	721.0,	0.0);	(513118.0,	3755048.2,	720.0,	720.0,	0.0);
(513168.0,	3755048.2,	718.5,	718.5,	0.0);	(513218.0,	3755048.2,	716.8,	716.8,	0.0);
(513268.0,	3755048.2,	714.8,	714.8,	0.0);	(513318.0,	3755048.2,	712.9,	712.9,	0.0);
(513368.0,	3755048.2,	711.2,	711.2,	0.0);	(513418.0,	3755048.2,	709.8,	709.8,	0.0);
(513468.0,	3755048.2,	708.5,	708.5,	0.0);	(513518.0,	3755048.2,	706.4,	706.4,	0.0);
(513568.0,	3755048.2,	703.6,	703.6,	0.0);	(513618.0,	3755048.2,	701.2,	701.2,	0.0);
(513668.0,	3755048.2,	699.1,	699.1,	0.0);	(513718.0,	3755048.2,	697.3,	697.3,	0.0);
(513768.0,	3755048.2,	697.0,	697.0,	0.0);	(513818.0,	3755048.2,	697.1,	697.1,	0.0);
(513868.0,	3755048.2,	696.5,	696.5,	0.0);	(513918.0,	3755048.2,	695.0,	695.0,	0.0);
(513968.0,	3755048.2,	692.8,	692.8,	0.0);	(514018.0,	3755048.2,	690.5,	690.5,	0.0);
(513018.0,	3755098.2,	723.6,	723.6,	0.0);	(513068.0,	3755098.2,	722.4,	722.4,	0.0);
(513118.0,	3755098.2,	721.2,	721.2,	0.0);	(513168.0,	3755098.2,	720.1,	720.1,	0.0);
(513218.0,	3755098.2,	718.2,	718.2,	0.0);	(513268.0,	3755098.2,	715.9,	715.9,	0.0);
(513318.0,	3755098.2,	714.0,	714.0,	0.0);	(513368.0,	3755098.2,	712.4,	712.4,	0.0);
(513418.0,	3755098.2,	710.6,	710.6,	0.0);	(513468.0,	3755098.2,	709.0,	709.0,	0.0);
(513518.0,	3755098.2,	707.1,	707.1,	0.0);	(513568.0,	3755098.2,	704.8,	704.8,	0.0);
(513618.0,	3755098.2,	702.6,	702.6,	0.0);	(513668.0,	3755098.2,	700.7,	700.7,	0.0);
(513718.0,	3755098.2,	699.2,	699.2,	0.0);	(513768.0,	3755098.2,	698.2,	698.2,	0.0);
(513818.0,	3755098.2,	698.3,	698.3,	0.0);	(513868.0,	3755098.2,	697.3,	697.3,	0.0);
(513918.0,	3755098.2,	695.9,	695.9,	0.0);	(513968.0,	3755098.2,	693.9,	693.9,	0.0);
(514018.0,	3755098.2,	691.7,	691.7,	0.0);	(513018.0,	3755148.2,	724.7,	724.7,	0.0);
(513068.0,	3755148.2,	723.4,	723.4,	0.0);	(513118.0,	3755148.2,	722.1,	722.1,	0.0);
(513168.0,	3755148.2,	721.0,	721.0,	0.0);	(513218.0,	3755148.2,	719.4,	719.4,	0.0);
(513268.0,	3755148.2,	716.9,	716.9,	0.0);	(513318.0,	3755148.2,	715.3,	715.3,	0.0);
(513368.0,	3755148.2,	713.7,	713.7,	0.0);	(513418.0,	3755148.2,	711.7,	711.7,	0.0);
(513468.0,	3755148.2,	710.1,	710.1,	0.0);	(513518.0,	3755148.2,	708.8,	708.8,	0.0);
(513568.0,	3755148.2,	707.4,	707.4,	0.0);	(513618.0,	3755148.2,	705.5,	705.5,	0.0);
(513668.0,	3755148.2,	703.3,	703.3,	0.0);	(513718.0,	3755148.2,	701.3,	701.3,	0.0);
(513768.0,	3755148.2,	699.7,	699.7,	0.0);	(513818.0,	3755148.2,	699.2,	699.2,	0.0);
(513868.0,	3755148.2,	698.1,	698.1,	0.0);	(513918.0,	3755148.2,	696.5,	696.5,	0.0);
(513968.0,	3755148.2,	694.7,	694.7,	0.0);	(514018.0,	3755148.2,	692.6,	692.6,	0.0);
(513018.0,	3755198.2,	725.8,	725.8,	0.0);	(513068.0,	3755198.2,	724.4,	724.4,	0.0);
(513118.0,	3755198.2,	722.8,	722.8,	0.0);	(513168.0,	3755198.2,	721.3,	721.3,	0.0);
(513218.0,	3755198.2,	719.8,	719.8,	0.0);	(513268.0,	3755198.2,	717.9,	717.9,	0.0);
(513318.0,	3755198.2,	716.4,	716.4,	0.0);	(513368.0,	3755198.2,	714.8,	714.8,	0.0);
(513418.0,	3755198.2,	713.0,	713.0,	0.0);	(513468.0,	3755198.2,	711.4,	711.4,	0.0);
(513518.0,	3755198.2,	710.1,	710.1,	0.0);	(513568.0,	3755198.2,	709.0,	709.0,	0.0);
(513618.0,	3755198.2,	707.6,	707.6,	0.0);	(513668.0,	3755198.2,	705.7,	705.7,	0.0);
(513718.0,	3755198.2,	703.6,	703.6,	0.0);	(513768.0,	3755198.2,	701.3,	701.3,	0.0);
(513818.0,	3755198.2,	699.8,	699.8,	0.0);	(513868.0,	3755198.2,	698.7,	698.7,	0.0);
(513918.0,	3755198.2,	697.1,	697.1,	0.0);	(513968.0,	3755198.2,	695.4,	695.4,	0.0);
(514018.0,	3755198.2,	693.3,	693.3,	0.0);	(513018.0,	3755248.2,	727.1,	727.1,	0.0);
(513068.0,	3755248.2,	725.6,	725.6,	0.0);	(513118.0,	3755248.2,	723.9,	723.9,	0.0);
(513168.0,	3755248.2,	722.0,	722.0,	0.0);	(513218.0,	3755248.2,	720.9,	720.9,	0.0);
(513268.0,	3755248.2,	720.2,	720.2,	0.0);	(513318.0,	3755248.2,	718.0,	718.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(	513368.0,	3755248.2,	716.2,	716.2,	0.0);	(	513418.0,	3755248.2,	714.4,	714.4,	0.0);
(	513468.0,	3755248.2,	712.6,	712.6,	0.0);	(	513518.0,	3755248.2,	711.3,	711.3,	0.0);
(	513568.0,	3755248.2,	710.1,	710.1,	0.0);	(	513618.0,	3755248.2,	708.7,	708.7,	0.0);
(	513668.0,	3755248.2,	707.2,	707.2,	0.0);	(	513718.0,	3755248.2,	704.9,	704.9,	0.0);
(	513768.0,	3755248.2,	702.6,	702.6,	0.0);	(	513818.0,	3755248.2,	700.7,	700.7,	0.0);
(	513868.0,	3755248.2,	699.3,	699.3,	0.0);	(	513918.0,	3755248.2,	697.6,	697.6,	0.0);
(	513968.0,	3755248.2,	696.0,	696.0,	0.0);	(	514018.0,	3755248.2,	694.0,	694.0,	0.0);
(	513018.0,	3755298.2,	728.3,	728.3,	0.0);	(	513068.0,	3755298.2,	726.9,	726.9,	0.0);
(	513118.0,	3755298.2,	725.1,	725.1,	0.0);	(	513168.0,	3755298.2,	723.4,	723.4,	0.0);
(	513218.0,	3755298.2,	722.2,	722.2,	0.0);	(	513268.0,	3755298.2,	720.7,	720.7,	0.0);
(	513318.0,	3755298.2,	719.4,	719.4,	0.0);	(	513368.0,	3755298.2,	717.8,	717.8,	0.0);
(	513418.0,	3755298.2,	715.9,	715.9,	0.0);	(	513468.0,	3755298.2,	713.9,	713.9,	0.0);
(	513518.0,	3755298.2,	712.2,	712.2,	0.0);	(	513568.0,	3755298.2,	710.8,	710.8,	0.0);
(	513618.0,	3755298.2,	709.3,	709.3,	0.0);	(	513668.0,	3755298.2,	707.5,	707.5,	0.0);
(	513718.0,	3755298.2,	705.5,	705.5,	0.0);	(	513768.0,	3755298.2,	703.4,	703.4,	0.0);
(	513818.0,	3755298.2,	701.4,	701.4,	0.0);	(	513868.0,	3755298.2,	699.7,	699.7,	0.0);
(	513918.0,	3755298.2,	698.2,	698.2,	0.0);	(	513968.0,	3755298.2,	696.5,	696.5,	0.0);
(	514018.0,	3755298.2,	694.6,	694.6,	0.0);	(	511979.5,	3755127.3,	749.1,	749.1,	0.0);
(	512029.5,	3755127.3,	748.3,	748.3,	0.0);	(	512079.5,	3755127.3,	747.3,	747.3,	0.0);
(	512129.5,	3755127.3,	746.0,	746.0,	0.0);	(	512179.5,	3755127.3,	744.8,	744.8,	0.0);
(	512229.5,	3755127.3,	744.1,	744.1,	0.0);	(	512279.5,	3755127.3,	742.9,	742.9,	0.0);
(	512329.5,	3755127.3,	742.0,	742.0,	0.0);	(	512379.5,	3755127.3,	741.2,	741.2,	0.0);
(	512429.5,	3755127.3,	740.2,	740.2,	0.0);	(	512479.5,	3755127.3,	739.1,	739.1,	0.0);
(	512529.5,	3755127.3,	738.0,	738.0,	0.0);	(	512579.5,	3755127.3,	736.8,	736.8,	0.0);
(	512629.5,	3755127.3,	735.6,	735.6,	0.0);	(	512679.5,	3755127.3,	734.4,	734.4,	0.0);
(	512729.5,	3755127.3,	733.1,	733.1,	0.0);	(	512779.5,	3755127.3,	731.6,	731.6,	0.0);
(	512829.5,	3755127.3,	730.0,	730.0,	0.0);	(	512879.5,	3755127.3,	728.4,	728.4,	0.0);
(	512929.5,	3755127.3,	726.7,	726.7,	0.0);	(	512979.5,	3755127.3,	725.3,	725.3,	0.0);
(	511979.5,	3755177.3,	751.1,	751.1,	0.0);	(	512029.5,	3755177.3,	750.1,	750.1,	0.0);
(	512079.5,	3755177.3,	749.0,	749.0,	0.0);	(	512129.5,	3755177.3,	747.9,	747.9,	0.0);
(	512179.5,	3755177.3,	746.8,	746.8,	0.0);	(	512229.5,	3755177.3,	745.8,	745.8,	0.0);
(	512279.5,	3755177.3,	744.6,	744.6,	0.0);	(	512329.5,	3755177.3,	743.9,	743.9,	0.0);
(	512379.5,	3755177.3,	743.2,	743.2,	0.0);	(	512429.5,	3755177.3,	742.3,	742.3,	0.0);
(	512479.5,	3755177.3,	741.0,	741.0,	0.0);	(	512529.5,	3755177.3,	739.7,	739.7,	0.0);
(	512579.5,	3755177.3,	738.2,	738.2,	0.0);	(	512629.5,	3755177.3,	737.0,	737.0,	0.0);
(	512679.5,	3755177.3,	735.9,	735.9,	0.0);	(	512729.5,	3755177.3,	734.5,	734.5,	0.0);
(	512779.5,	3755177.3,	733.0,	733.0,	0.0);	(	512829.5,	3755177.3,	731.4,	731.4,	0.0);
(	512879.5,	3755177.3,	729.8,	729.8,	0.0);	(	512929.5,	3755177.3,	728.2,	728.2,	0.0);
(	512979.5,	3755177.3,	726.5,	726.5,	0.0);	(	511979.5,	3755227.3,	753.2,	753.2,	0.0);
(	512029.5,	3755227.3,	752.0,	752.0,	0.0);	(	512079.5,	3755227.3,	750.8,	750.8,	0.0);
(	512129.5,	3755227.3,	749.9,	749.9,	0.0);	(	512179.5,	3755227.3,	748.6,	748.6,	0.0);
(	512229.5,	3755227.3,	747.5,	747.5,	0.0);	(	512279.5,	3755227.3,	746.5,	746.5,	0.0);
(	512329.5,	3755227.3,	745.8,	745.8,	0.0);	(	512379.5,	3755227.3,	745.2,	745.2,	0.0);
(	512429.5,	3755227.3,	744.1,	744.1,	0.0);	(	512479.5,	3755227.3,	742.8,	742.8,	0.0);
(	512529.5,	3755227.3,	741.4,	741.4,	0.0);	(	512579.5,	3755227.3,	740.0,	740.0,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(512629.5,	3755227.3,	738.6,	738.6,	0.0);	(512679.5,	3755227.3,	737.3,	737.3,	0.0);
(512729.5,	3755227.3,	735.7,	735.7,	0.0);	(512779.5,	3755227.3,	734.3,	734.3,	0.0);
(512829.5,	3755227.3,	732.6,	732.6,	0.0);	(512879.5,	3755227.3,	731.1,	731.1,	0.0);
(512929.5,	3755227.3,	729.7,	729.7,	0.0);	(512979.5,	3755227.3,	727.8,	727.8,	0.0);
(511979.5,	3755277.3,	754.9,	754.9,	0.0);	(512029.5,	3755277.3,	753.8,	753.8,	0.0);
(512079.5,	3755277.3,	752.7,	752.7,	0.0);	(512129.5,	3755277.3,	751.7,	751.7,	0.0);
(512179.5,	3755277.3,	750.4,	750.4,	0.0);	(512229.5,	3755277.3,	749.5,	749.5,	0.0);
(512279.5,	3755277.3,	748.4,	748.4,	0.0);	(512329.5,	3755277.3,	747.6,	747.6,	0.0);
(512379.5,	3755277.3,	746.6,	746.6,	0.0);	(512429.5,	3755277.3,	745.7,	745.7,	0.0);
(512479.5,	3755277.3,	744.3,	744.3,	0.0);	(512529.5,	3755277.3,	742.9,	742.9,	0.0);
(512579.5,	3755277.3,	741.7,	741.7,	0.0);	(512629.5,	3755277.3,	740.2,	740.2,	0.0);
(512679.5,	3755277.3,	738.8,	738.8,	0.0);	(512729.5,	3755277.3,	737.1,	737.1,	0.0);
(512779.5,	3755277.3,	735.5,	735.5,	0.0);	(512829.5,	3755277.3,	733.8,	733.8,	0.0);
(512879.5,	3755277.3,	732.8,	732.8,	0.0);	(512929.5,	3755277.3,	731.1,	731.1,	0.0);
(512979.5,	3755277.3,	728.9,	728.9,	0.0);	(513064.7,	3753953.8,	688.7,	688.7,	0.0);
(513114.7,	3753953.8,	687.5,	687.5,	0.0);	(513164.7,	3753953.8,	686.3,	686.3,	0.0);
(513214.7,	3753953.8,	685.0,	685.0,	0.0);	(513264.7,	3753953.8,	683.9,	683.9,	0.0);
(513064.7,	3754003.8,	690.3,	690.3,	0.0);	(513114.7,	3754003.8,	689.0,	689.0,	0.0);
(513164.7,	3754003.8,	687.8,	687.8,	0.0);	(513214.7,	3754003.8,	686.6,	686.6,	0.0);
(513264.7,	3754003.8,	685.3,	685.3,	0.0);	(513314.7,	3754003.8,	683.9,	683.9,	0.0);
(513364.7,	3754003.8,	682.6,	682.6,	0.0);	(513064.7,	3754053.8,	691.8,	691.8,	0.0);
(513114.7,	3754053.8,	690.6,	690.6,	0.0);	(513164.7,	3754053.8,	689.3,	689.3,	0.0);
(513214.7,	3754053.8,	688.0,	688.0,	0.0);	(513264.7,	3754053.8,	686.6,	686.6,	0.0);
(513314.7,	3754053.8,	685.2,	685.2,	0.0);	(513364.7,	3754053.8,	683.7,	683.7,	0.0);
(513064.7,	3754103.8,	693.3,	693.3,	0.0);	(513114.7,	3754103.8,	692.1,	692.1,	0.0);
(513164.7,	3754103.8,	690.8,	690.8,	0.0);	(513214.7,	3754103.8,	689.3,	689.3,	0.0);
(513264.7,	3754103.8,	687.8,	687.8,	0.0);	(513314.7,	3754103.8,	686.0,	686.0,	0.0);
(513364.7,	3754103.8,	683.8,	683.8,	0.0);	(513064.7,	3754153.8,	694.9,	694.9,	0.0);
(513114.7,	3754153.8,	693.6,	693.6,	0.0);	(513164.7,	3754153.8,	692.4,	692.4,	0.0);
(513214.7,	3754153.8,	690.9,	690.9,	0.0);	(513264.7,	3754153.8,	689.1,	689.1,	0.0);
(513314.7,	3754153.8,	687.2,	687.2,	0.0);	(513364.7,	3754153.8,	685.0,	685.0,	0.0);
(513064.7,	3754203.8,	696.4,	696.4,	0.0);	(513114.7,	3754203.8,	695.3,	695.3,	0.0);
(513164.7,	3754203.8,	693.9,	693.9,	0.0);	(513214.7,	3754203.8,	692.4,	692.4,	0.0);
(513264.7,	3754203.8,	690.7,	690.7,	0.0);	(513314.7,	3754203.8,	688.7,	688.7,	0.0);
(513364.7,	3754203.8,	686.8,	686.8,	0.0);	(513867.5,	3754209.6,	674.5,	674.5,	0.0);
(513917.5,	3754209.6,	673.3,	673.3,	0.0);	(513967.5,	3754209.6,	672.1,	672.1,	0.0);
(514017.5,	3754209.6,	670.6,	670.6,	0.0);	(513867.5,	3754259.6,	675.9,	675.9,	0.0);
(513917.5,	3754259.6,	674.6,	674.6,	0.0);	(513967.5,	3754259.6,	673.2,	673.2,	0.0);
(514017.5,	3754259.6,	671.7,	671.7,	0.0);	(513867.5,	3754309.6,	677.1,	677.1,	0.0);
(513917.5,	3754309.6,	675.7,	675.7,	0.0);	(513967.5,	3754309.6,	674.3,	674.3,	0.0);
(514017.5,	3754309.6,	673.0,	673.0,	0.0);	(513867.5,	3754359.6,	678.3,	678.3,	0.0);
(513917.5,	3754359.6,	676.8,	676.8,	0.0);	(513967.5,	3754359.6,	675.4,	675.4,	0.0);
(514017.5,	3754359.6,	674.0,	674.0,	0.0);	(513867.5,	3754409.6,	679.4,	679.4,	0.0);
(513917.5,	3754409.6,	677.8,	677.8,	0.0);	(513967.5,	3754409.6,	676.4,	676.4,	0.0);
(514017.5,	3754409.6,	674.9,	674.9,	0.0);	(513867.5,	3754459.6,	680.5,	680.5,	0.0);

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(513917.5,	3754459.6,	678.9,	678.9,	0.0);	(513967.5,	3754459.6,	677.3,	677.3,	0.0);
(514017.5,	3754459.6,	675.8,	675.8,	0.0);	(513867.5,	3754509.6,	681.5,	681.5,	0.0);
(513917.5,	3754509.6,	679.9,	679.9,	0.0);	(513967.5,	3754509.6,	678.4,	678.4,	0.0);
(514017.5,	3754509.6,	676.7,	676.7,	0.0);	(513867.5,	3754559.6,	682.3,	682.3,	0.0);
(513917.5,	3754559.6,	681.1,	681.1,	0.0);	(513967.5,	3754559.6,	679.6,	679.6,	0.0);
(514017.5,	3754559.6,	677.8,	677.8,	0.0);	(513867.5,	3754609.6,	683.8,	683.8,	0.0);
(513917.5,	3754609.6,	682.4,	682.4,	0.0);	(513967.5,	3754609.6,	680.8,	680.8,	0.0);
(514017.5,	3754609.6,	679.0,	679.0,	0.0);	(513867.5,	3754659.6,	685.1,	685.1,	0.0);
(513917.5,	3754659.6,	683.8,	683.8,	0.0);	(513967.5,	3754659.6,	682.1,	682.1,	0.0);
(514017.5,	3754659.6,	680.2,	680.2,	0.0);					

*** MODELOPTs: RegDFAULT 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

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS)	YR (METERS)	DISTANCE (METERS)
WILSON01	513718.0	3754698.2	-0.37
WILSON02	513718.0	3754698.2	0.74
WILSON05	513668.0	3754698.2	-1.43
WILSON09	513618.0	3754698.2	-1.65
WILSON13	513568.0	3754698.2	-0.99
WILSON16	513518.0	3754698.2	-0.42
WILSON17	513518.0	3754698.2	0.44
WILSON20	513468.0	3754698.2	-1.56
WILSON24	513418.0	3754698.2	-1.87
WILSON28	513368.0	3754698.2	-1.26
WILSON31	513318.0	3754698.2	-0.47
WILSON32	513318.0	3754698.2	0.13
WILSON35	513268.0	3754698.2	-1.70
WILSON39	513218.0	3754698.2	-2.08
WILSON43	513168.0	3754698.2	-1.53
WILSON46	513118.0	3754698.2	-0.50
WILSON47	513118.0	3754698.2	-0.17
WILSON50	513068.0	3754698.2	-1.81
WILSON54	513018.0	3754698.2	-2.28

```
                                          *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
                                                           (1=YES; 0=NO)

          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1  1 1 1 1 1

              NOTE:  METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.


                                   *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
                                                          (METERS/SEC)

                                               1.54,   3.09,   5.14,   8.23,  10.80,
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: BNAP_V9_ADJU\BNAP_V9.SFC Met Version: 16216
Profile file: BNAP_V9_ADJU\BNAP_V9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3171 Upper air station no.: 3190
Name: BANNING_AIRPORT Name: MIRAMAR
Year: 2011 Year: 2011

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
11	01	01	1	01	-50.0	0.519	-9.000	-9.000	-999.	897.	296.2	0.15	4.23	1.00	5.40	108.	9.1	274.2	5.5
11	01	01	1	02	-54.0	0.559	-9.000	-9.000	-999.	1002.	343.7	0.15	4.23	1.00	5.80	113.	9.1	273.8	5.5
11	01	01	1	03	-50.2	0.519	-9.000	-9.000	-999.	899.	296.1	0.15	4.23	1.00	5.40	112.	9.1	273.1	5.5
11	01	01	1	04	-45.5	0.469	-9.000	-9.000	-999.	773.	241.8	0.15	4.23	1.00	4.90	111.	9.1	272.5	5.5
11	01	01	1	05	-13.5	0.164	-9.000	-9.000	-999.	293.	29.5	0.15	4.23	1.00	1.80	78.	9.1	270.9	5.5
11	01	01	1	06	-19.9	0.203	-9.000	-9.000	-999.	220.	45.4	0.15	4.23	1.00	2.20	58.	9.1	270.4	5.5
11	01	01	1	07	-19.9	0.203	-9.000	-9.000	-999.	220.	45.4	0.15	4.23	1.00	2.20	54.	9.1	270.4	5.5
11	01	01	1	08	-12.2	0.206	-9.000	-9.000	-999.	224.	60.4	0.15	4.23	0.55	2.20	60.	9.1	270.9	5.5
11	01	01	1	09	45.6	0.455	0.587	0.005	150.	738.	-174.7	0.15	4.23	0.34	4.50	96.	9.1	273.8	5.5
11	01	01	1	10	126.7	0.592	0.981	0.005	252.	1092.	-138.5	0.15	4.23	0.27	5.80	102.	9.1	274.9	5.5
11	01	01	1	11	195.5	0.684	1.823	0.009	1048.	1355.	-138.3	0.15	4.23	0.25	6.70	100.	9.1	275.9	5.5
11	01	01	1	12	229.2	0.688	2.066	0.009	1302.	1370.	-120.1	0.15	4.23	0.24	6.70	96.	9.1	276.4	5.5
11	01	01	1	13	190.6	0.647	1.999	0.009	1417.	1254.	-120.0	0.15	4.23	0.24	6.30	95.	9.1	277.0	5.5
11	01	01	1	14	115.4	0.590	1.708	0.009	1459.	1094.	-150.2	0.15	4.23	0.26	5.80	98.	9.1	277.0	5.5
11	01	01	1	15	101.2	0.588	1.649	0.009	1496.	1081.	-169.0	0.15	4.23	0.29	5.80	99.	9.1	276.4	5.5
11	01	01	1	16	27.7	0.534	1.074	0.009	1507.	940.	-462.4	0.15	4.23	0.38	5.40	103.	9.1	276.4	5.5
11	01	01	1	17	-42.8	0.469	-9.000	-9.000	-999.	777.	242.4	0.15	4.23	0.67	4.90	106.	9.1	275.9	5.5
11	01	01	1	18	-32.7	0.340	-9.000	-9.000	-999.	489.	127.2	0.15	4.23	1.00	3.60	100.	9.1	274.9	5.5
11	01	01	1	19	-24.4	0.252	-9.000	-9.000	-999.	308.	69.8	0.15	4.23	1.00	2.70	70.	9.1	273.1	5.5
11	01	01	1	20	-28.2	0.291	-9.000	-9.000	-999.	377.	93.1	0.15	4.23	1.00	3.10	85.	9.1	273.1	5.5
11	01	01	1	21	-28.2	0.291	-9.000	-9.000	-999.	377.	93.1	0.15	4.23	1.00	3.10	82.	9.1	273.1	5.5
11	01	01	1	22	-24.5	0.252	-9.000	-9.000	-999.	304.	69.8	0.15	4.23	1.00	2.70	64.	9.1	272.5	5.5
11	01	01	1	23	-24.5	0.252	-9.000	-9.000	-999.	304.	69.8	0.15	4.23	1.00	2.70	61.	9.1	272.5	5.5
11	01	01	1	24	-24.5	0.252	-9.000	-9.000	-999.	304.	69.8	0.15	4.23	1.00	2.70	76.	9.1	272.5	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	274.3	99.0	-99.00	-99.00
11	01	01	01	9.1	1	108.	5.40	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** 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 1146 Warning Message(s)
A Total of 1311 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 64 Calm Hours Identified

A Total of 1247 Missing Hours Identified (2.85 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********

ME W186	7253	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	7253	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
OU W565	7334	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7335	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7336	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7337	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7338	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7339	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7340	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7341	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7342	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7343	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7344	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7345	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7346	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE
OU W565	7347	OUPLOT: Possible Conflict With Dynamically Allocated FUNIT	PLOTFILE

OU W565	8320	PERPLT: Possible Conflict With Dynamically
OU W565	8321	PERPLT: Possible Conflict With Dynamically
OU W565	8322	PERPLT: Possible Conflict With Dynamically
OU W565	8323	PERPLT: Possible Conflict With Dynamically
OU W565	8324	PERPLT: Possible Conflict With Dynamically
OU W565	8325	PERPLT: Possible Conflict With Dynamically
OU W565	8326	PERPLT: Possible Conflict With Dynamically
OU W565	8327	PERPLT: Possible Conflict With Dynamically
OU W565	8328	PERPLT: Possible Conflict With Dynamically
OU W565	8329	PERPLT: Possible Conflict With Dynamically
OU W565	8330	PERPLT: Possible Conflict With Dynamically

More Than 999 Warning Messages Found. See ERRORFIL Output for the Remainder.

****
*** AERMOD Finishes Successfully ***
****

HARP Project Summary Report 2/19/2023 3:37:28 PM

PROJECT INFORMATION
HARP Version: 22118
Project Name: FRT2102-HARP
Project Output Directory: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP
HARP Database: NA

POLLUTANT HEALTH INFORMATION
Health Database: C:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH22013
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		
88101	PM25						
106990	1,3-Butadiene	0.6		660	2		9
71432	Benzene	0.1		27	3		3
100414	Ethyl Benzene	0.0087			2000		
78933	MEK			13000			
91203	Naphthalene	0.12			9		
115071	Propylene				3000		
100425	Styrene			21000	900		
108883	Toluene			5000	420		830
1330207	Xylenes			22000	700		

HARP2 - HRACalc (dated 22118) 2/19/2023 12:32:37 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors 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: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

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

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\30-Yr CancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\30-Yr CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\30-Yr NCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\30-Yr NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\30-Yr NCAcuteRisk.csv
Acute risk total by receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\30-Yr NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 2/19/2023 1:28:08 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

****
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: True
Dermal: True
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: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\25-Yr CancerRisk.csv
Cancer risk total by receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\25-Yr CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\25-Yr NCChronicRisk.csv
Chronic risk total by receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\25-Yr NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\25-Yr NCAcuteRisk.csv
Acute risk total by receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\25-Yr NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 2/19/2023 1:21:27 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic8HR
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
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: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating chronic 8hr risk
Chronic 8-hr risk breakdown by pollutant and receptor saved to:
C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\8-Hr NCChronic8HrRisk.csv
Chronic 8-hr risk total by receptor saved to: C:\Users\RonaldB\Local AERMOD\FRT2102-HARP\hra\8-Hr NCChronic8HrRiskSumByRec.csv
HRA ran successfully