Appendix D2 Health Risk Assessment

Appendices

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June 2023 | Health Risk Assessment

IRWINDALE GATEWAY SPECIFIC PLAN

City of Irwindale

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1. Introduction

The 68.1-acre Irwindale Gateway Specific Plan (Specific Plan) area is at 13620 Live Oak Lane in the central portion of Irwindale (proposed project). The project would redevelop a former sand and gravel quarry and a former street-cleaning business with one of two site options: Option 1 which includes 954,796 square feet (SF) of industrial warehouse space and 28,000 SF of office space or Option 2 which includes 725,00 SF of industrial warehouse space, 36,000 SF of office space and a 16-acre Battery Energy Storage System (BESS).

The nearest air quality sensitive receptors to the project site include park users at Kare Youth League Irwindale approximately 300 feet to the north and single-family residence approximately 2,150 feet to the southeast. Operation of the proposed project would generate diesel particulate matter (DPM, a toxic air contaminant) emissions due to trucking- and warehouse-related activity in proximity to these nearby sensitive receptors. As recommended under the guidelines of "Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act" prepared by the Office of the Attorney General of California, an operational health risk assessment (HRA) was conducted to evaluate potential health risk impacts from project-related truck trips and other project-related sources of DPM to the nearby surrounding sensitive receptors (OAG, 2023). Guidance from the California Environmental Protection Agency (CalEPA), Office of Environmental Health Hazard Assessment (OEHHA), California Air Pollution Control Officers Association (CAPCOA), and the South Coast Air Quality Management District (South Coast AQMD) was used to complete the HRA.

In addition to project operation, project construction is anticipated to take place starting in July 2024 and be completed by August 2027. The nearby sensitive receptors could be potentially impacted from the proposed construction activities. Therefore, the health risk impacts from construction activities were also determined for nearby sensitive receptors.

This report presents the results of a construction and operational health risk assessment for the proposed project. This HRA considers the health impact to sensitive receptors from diesel trucks, transport refrigeration units (TRUs) and diesel-fueled off-road equipment (i.e., forklifts and yard trucks). Health impacts were based on conservative (i.e., health protective) assumptions. The United States Environmental Protection Agency (USEPA, 2005) and OEHHA (2015) note that conservative assumptions used in a risk assessment are intended to ensure that the estimated risks do not underestimate the actual risks. Therefore, the estimated risks do not necessarily represent actual risks experienced by populations near a site. The use of conservative assumptions tends to produce upper-bound estimates of risk and usually overestimate exposure and thus risk.

For residential-based receptors, the following conservative assumptions were used:

- It was assumed that maximum exposed children and adults stood outside at the site for 24 hours per day, 350 days per year. In reality, California residents typically spend, on average, 2 hours per day outdoors at their residences (USEPA, 2011). This would result in lower estimated risk values.

- The calculated risk for infants from third trimester to age 2 years is multiplied by a factor of 10 and for children from 2 to 16 years is multiplied by a factor of 3 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA, 2015).

For sports park receptors, the following conservative assumptions were used:

- It was assumed that park users at Kare Youth League Irwindale stood outside for 180 days per year, 4 hours per day for 14 years—ages 2 to 16 years. In reality, park users would be exposed for shorter overall durations during times they are enrolled in a specific seasonal league or camp.

- The calculated risk for children from ages 2 to 16 years is multiplied by a factor of 3 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA, 2015).

2. Project Description

The 68.1-acre Irwindale Gateway Specific Plan (Specific Plan or proposed project) area is at 13620 Live Oak Lane in the central portion of Irwindale. It is adjacent and to the east of Interstate 605 (I-605), approximately 1.5 miles south of I-210, and 2.7 miles north of I-10. The project site encompasses a former sand and gravel quarry, the NuWay Live Oak Inert Landfill (NuWay Landfill), and a former street-cleaning business. The site is bounded by I-605 to the west, Live Oak Lane to the north and east, and Live Oak Avenue to the south. The Specific Plan would provide a mix of industrial, business park, and commercial uses with site redevelopment.

Construction of the proposed project would occur in two parts, with the first starting in July 2024 through the end of December 2025 and the second beginning in September 2026 and to be completed in August 2027. The proposed operating hours of the potential business(es) that may occupy the building is 24 hours per day, seven days a week. Two potential site plans include a three industrial building option (Option 1) and a two industrial building option with a Battery Energy Storage System (Option 2). A land use comparison is shown in Table 1, *Proposed Land Use, Option 1 and Option 2*.

Table 1 Proposed Land Use, Option 1 and Option 2

Development Option	Land Use	Acres	Permitted Building/Structure Use	Square Feet/Other Details
Option 1	Industrial/Business Park	68.1 ac	General light industrial, manufacturing, warehouse/distribution, e-commerce fulfillment center	• Up to 1,000,000 sf of building space • Conceptual plan: 954,796 sf of warehouse space and 28,000 sf of office space
Option 2	Industrial/Business Park	39.3 ac	General light industrial, manufacturing, warehouse/distribution, e-commerce fulfillment center	• Up to 725,000 sf of building space • Conceptual plan: 668,070 sf of warehouse space and 36,000 sf of office space
	Battery Energy Storage System (BESS)	16 ac	Battery enclosure, generation step-up transformer, substation, overall facility area	• Battery enclosure dimensions: 8'10" x 29'11"lx 5'5"W • Generation step-up transformer dimensions: 6'H x 8'6"L x 8'6"W • Substation: 2 ac • Overall facility area: 14 ac

The proposed site plans for the proposed project are shown in Figure 1, *Option 1 Site Plan,* and in Figure 2, *Option 2 Site Plan*. Option 1 would include 954,796 SF of warehouse space with 153 total loading docks, and Option 2 includes 731,886 SF of warehouse space with 128 loading docks. Under both site options, truck access will be provided via Live Oak Avenue, Live Oak Lane, and Arrow Highway. The project would be permitted to allow 24-hour daily operations.

Typically, industrial warehouse projects include indoor and outdoor cargo handling equipment to move containers short-distances on-site. For most industrial warehousing projects, all indoor cargo handling equipment (i.e., forklifts) would be electric consistent with industry standards. However, outdoor equipment such as yard trucks will have a mix of diesel-fueled and non-fueled engines. Warehouse projects typically have 3.6 yard trucks per million square feet of building space (South Coast AQMD, 2014). To provide conservative estimates of health risks from project operation, all modeled forklifts are assumed to be diesel-fueled.

The following TRU and off-road equipment assumptions were modeled as part of the Air Quality and Greenhouse Gas Emissions (GHG) evaluation for the Draft Environmental Impact Report (DEIR) for the project (PlaceWorks, 2023) and modeled for this HRA:

Option 1

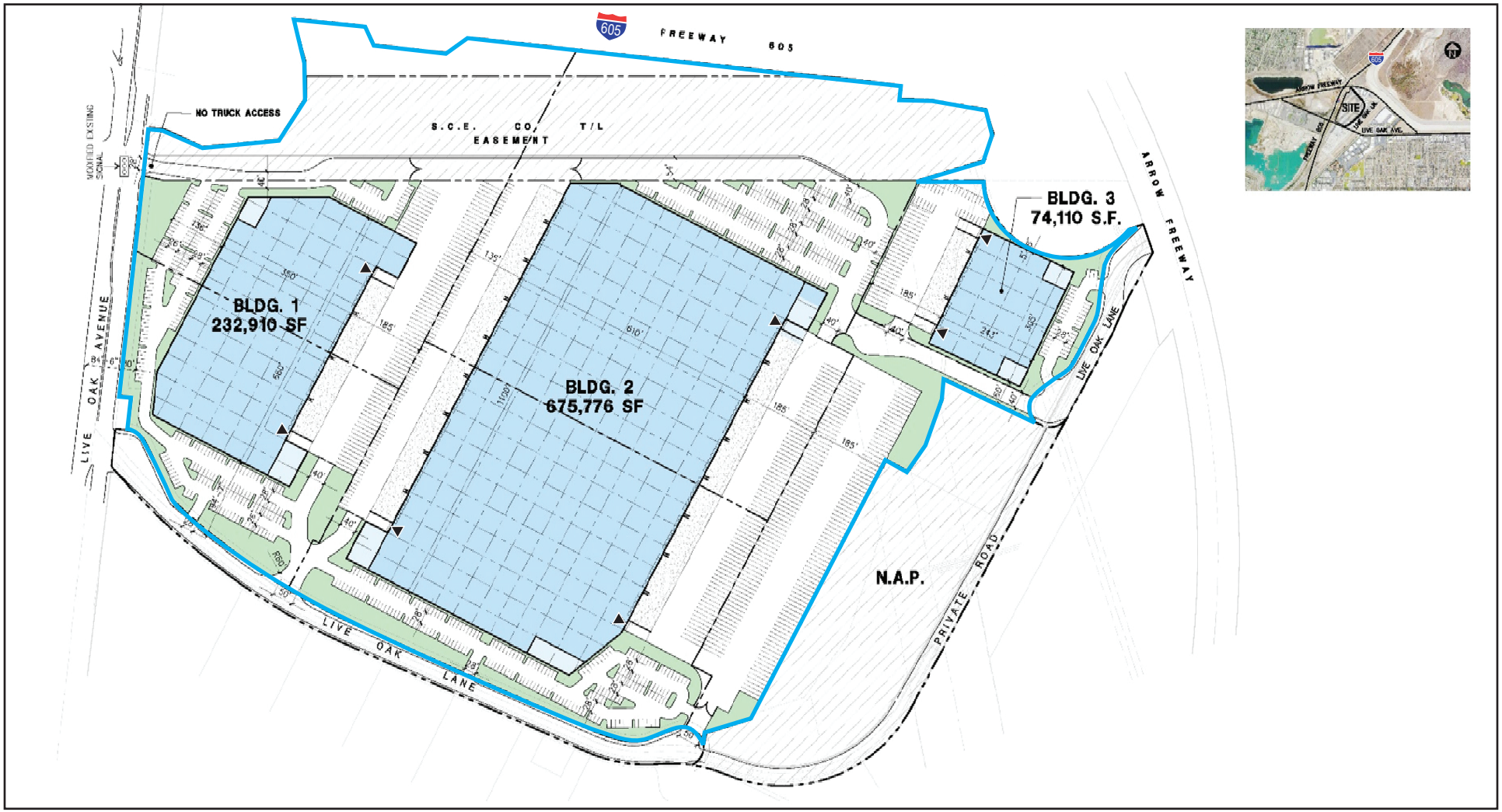
- Forklifts: 53 forklifts (all assumed diesel-fueled), operating 8 hours per day, 365 days per year at the project site.
- Yard Trucks: 4 diesel-fueled yard trucks, operating 8 hours per day, 365 days per year at the project site.
- TRUs: 214 truck trips with TRUs per day (107 round trips/day), idling 2 hours/day per truck.

Option 2

- Forklifts: 37 forklifts (all assumed diesel-fueled), operating 8 hours per day, 365 days per year at the project site.
- Yard Trucks: 3 diesel-fueled yard trucks, operating 8 hours per day, 365 days per year at the project site.
- TRUs: 230 truck trips with TRUs per day (115 round trips/day), idling 2 hours/day per truck.

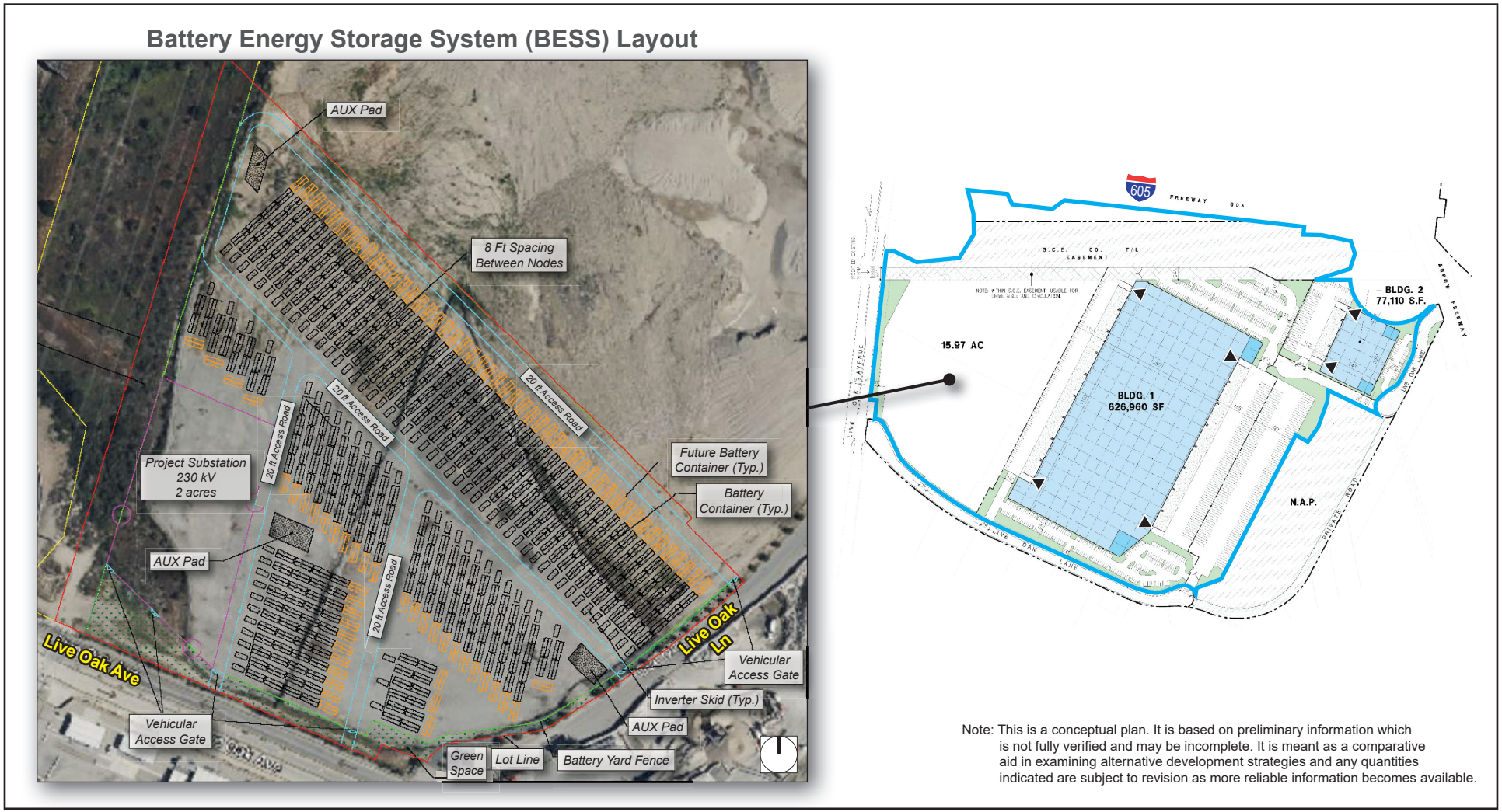
The proposed BESS for Option 2 would consist of 712 containers, each containing 8 battery racks with 6 battery cells (or modules) per rack (i.e., 48 modules per container). No toxic air contaminants (TACs) are emitted during normal operation of a BESS. However, there is potential for TAC emissions from a thermal runaway event in which a fire occurs within a container due to battery malfunction, elevated temperatures, and battery combustion. An evaluation of potential air toxic health risks from a thermal runaway event is included in the Air Quality Chapter of the Draft EIR for the proposed project (PlaceWorks, 2023). Based on the results of the health risk screening analysis, the BESS would not expose sensitive receptors to substantial pollutant concentrations and impacts would be less than significant. The evaluation of a thermal runaway emergency event was not included in this HRA report, which is intended to evaluate potential long-term health risk impacts from project construction and operation.

Figure 1 - Option 1 Site Plan



Source: HPA, 2023.

Figure 2 - Option 2 Site Plan



Source: HPA, 2023.

3. Existing Setting

3.1 SITE LOCATION

The project site is in the southeastern portion of the City of Irwindale in Los Angeles County. The city is approximately 20 miles east of downtown Los Angeles, with neighboring cities of West Covina, Baldwin Park, Vincent, Azusa, Duarte, El Monte, North El Monte, and Monrovia. The project site is at 13620 Live Oak Lane - it is bounded by I-605 to the west, Live Oak Lane to the north and east, and Live Oak Avenue to the south.

3.2 SURROUNDING USES

The project site is immediately surrounded by business and industrial uses. The Irwindale Speedway is located beyond I-605 to the southwest. Residential areas are approximately 2,150 feet to the southeast. The Kare Youth League Irwindale sports park is approximately 300 feet to the north. The proposed development site and the surrounding area are shown in Figure 3, *Aerial Photograph*.

3.3 DISADVANTAGED COMMUNITIES / ENVIRONMENTAL JUSTICE AREAS

In 2016, the California Legislature passed Senate Bill 1000 (SB 1000), Planning for Healthy Communities Act, to incorporate environmental justice into the local land use planning process. SB 1000's definition of a disadvantaged community includes areas that:

- Are disproportionately affected by environmental pollution and other hazards that can lead to negative public health effects, exposure, or environmental degradation;
- And have concentrations of people with low income, high unemployment, low levels of homeownership, high rent burden, sensitive populations, or low levels of educational attainment.

The California Communities Environmental Health Screening Tool (CalEnviroScreen or CES) was developed by OEHHA on behalf of CalEPA. CES is a method for identifying communities that are disproportionately burdened by pollution and/or have disproportionately vulnerable populations in those communities.

CES generates a composite score that assesses disproportionate impacts on California communities. It uses 21 indicators across four categories—pollution exposure, environmental effects, sensitive populations, and socioeconomic factors. These categories are summed into two primary metrics—pollution burden and population characteristics—which CES multiplies to arrive at the CES composite score. Pollution burden represents the potential exposures to pollutants and the adverse environmental conditions caused by pollution. Population characteristics represent biological traits, health status, or community characteristics that can result

in increased vulnerability to pollution. The results for each census tract are measured against every other census tract in California.

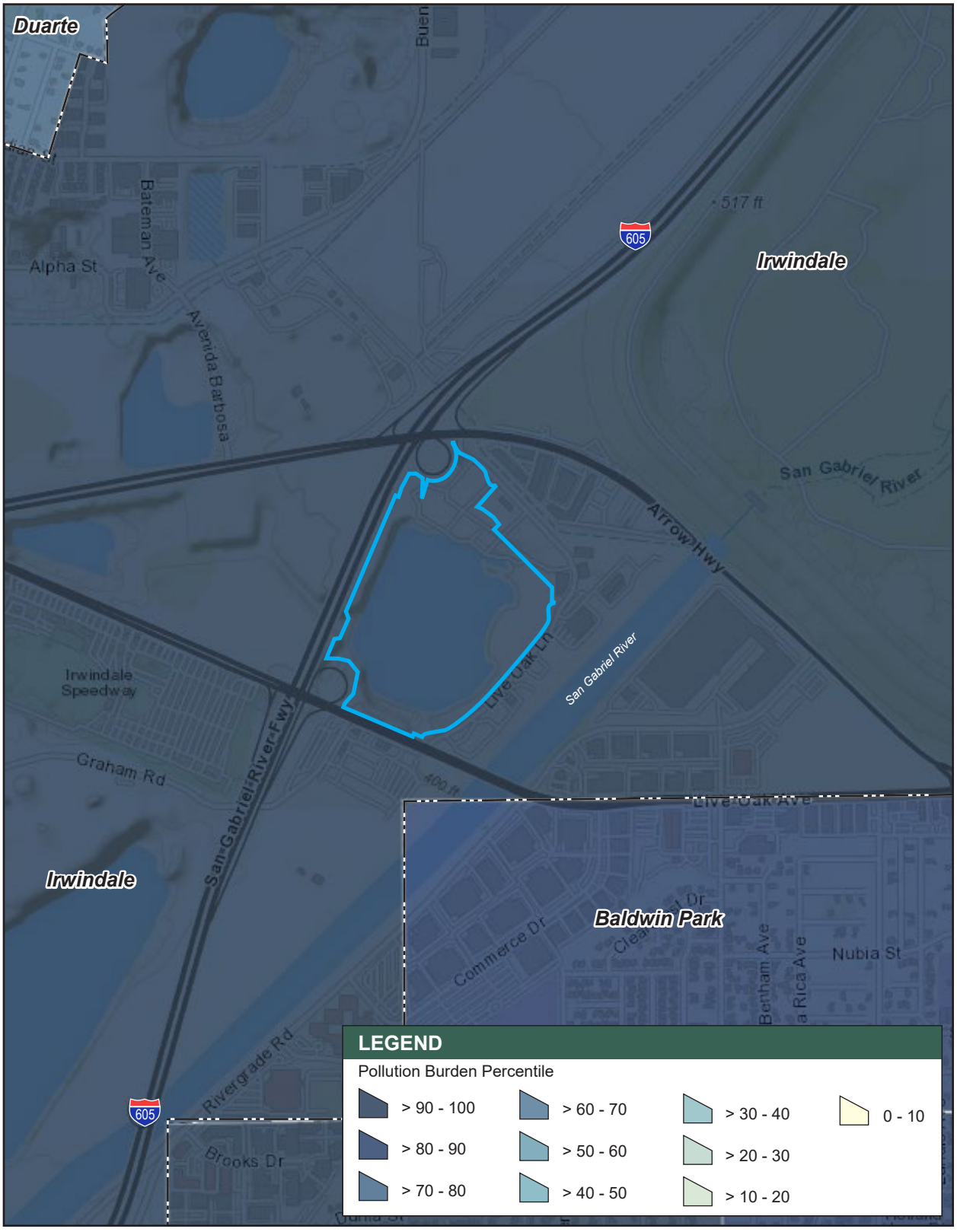
Figure 4, *Pollution Burden*, shows the pollution burden for the project site and vicinity relative to California. The pollution burden map identifies communities that are exposed to pollution from human activities, such as air pollution (ozone, $PM_{2.5}$, DPM), water pollution (drinking water contaminants), and hazardous materials (pesticide use, children's lead exposure, toxic releases), and traffic density. This metric represents the potential exposures to pollutants and the adverse environmental conditions caused by pollution. As shown in Figure 4, the project site is in a census tract that ranks in the 80th to 90th percentile (85th percentile) for pollution burden.

Figure 3 - Aerial Photograph

Source: Nearmap, Inc., 2023.

PlaceWorks

Figure 4 - Pollution Burden



Source: CalEnviroScreen 4.0, 2023.

PlaceWorks

4. Emissions Inventory

4.1 CONSTRUCTION EMISSIONS

Construction emissions were calculated as average daily emissions in pounds per day, using the proposed construction schedule and the latest version of California Emissions Estimation Model, known as CalEEMod Version 2022.1 (CAPCOA, 2022). Construction modeling considered years 2024 and 2025 for construction phase/part 1 activities, and years 2026 and 2027 for construction phase/part 2 activities. DPM emissions were based on the CalEEMod construction runs, using annual exhaust PM_{10} construction emissions presented in pounds (lbs) per day.

The average daily emission rates from construction equipment used during the proposed project were determined by dividing the annual average emissions for each construction year by the number of construction days per year for each calendar year of construction (i.e., 2024, 2025, 2026, and 2027). The off-site hauling emission rates were adjusted to evaluate localized emissions from the 1.03-mile haul route within 1,000 feet of the project site. The CalEEMod construction emissions output and emission rate calculations are provided in Attachment A of this HRA.

4.2 OPERATIONAL EMISSIONS

Operational emission sources evaluated in the HRA include the diesel trucks traveling on-site over the ingress and egress driveways and Live Oak Lane and idling at truck loading areas as well as the emissions from diesel trucks traveling to and from the site along surface streets (Arrow Highway and Live Oak Avenue). The evaluated truck volumes and truck fleet mix were prepared by Iteris and incorporated into the air quality and greenhouse gas emissions evaluation of the proposed project (Iteris, 2023). According to the traffic analysis, the project would generate 550 one-way truck trips per day (all assumed heavy-heavy duty trucks, HHDT) or 275 round trips per day for HHDT trucks for Option 1 and 418 one-way truck trips per day or 209 round trips per day for HHDT trucks for Option 2 (Iteris, 2023). The emission rate calculations are provided in Attachment B.

Localized (on-site) truck running and idling emissions were calculated for the HRA. CARB has developed the EMFAC2021 emission factor model to account for the emission standards representative of the California fleet (CARB, 2023a). On-site truck travel emissions were determined for a lot speed of 5 miles per hour (mph), whereas off-site truck travel emissions were determined for a speed of 25 mph for Arrow Highway and Live Oak Avenue. Idling emission rates for trucks idling within the building loading areas were determined using an idling time of 30 minutes per truck. The PM_{10} emission factor for diesel-fueled vehicles was used as the surrogate for DPM (CARB, 2023a).

Emissions from forklifts, yard trucks and TRUs were determined for the air quality and greenhouse gas emissions evaluation (PlaceWorks, 2023). Forklift, yard truck, and TRU emissions were calculated as annual

average emissions in tons per year using the latest version of offroad equipment emissions model, OFFROAD2021, Version 1.0.4. The TRU idling emissions were added to the truck idling emissions to determine the total idling emissions at the loading docks.

Emission-rate calculations were based on EMFAC2021 and OFFROAD2021 emissions data for the project buildout year (2027). Using only the emission factors for the year 2027 is conservative because emissions are predicted to decline over time with implementation of CARB's Diesel Risk Reduction Plan and increasing emissions requirements for engines (CARB, 2000). For instance, CARB estimates DPM emissions in 2035 will be less than half those in 2010 (CARB, 2023b).

5. Air Dispersion Modeling

Air dispersion modeling was performed using the AERMOD atmospheric dispersion model (Lakes AERMOD View, version 11.2). The model is a steady-state Gaussian plume model and is approved by South Coast AQMD for estimating ground-level impacts from point and fugitive sources in simple and complex terrain. The on-site construction emissions for the project were modeled as a poly-area source, and the haul route emissions were modeled as adjacent line volume sources. The on-site operational emissions from truck travel, forklifts, and yard trucks were modeled as poly-area sources, truck and TRU idling at the loading docks was modeled as point sources, and the off-site truck travel emissions were modeled as adjacent volume sources. The off-site truck route includes surface streets (Arrow Highway and Live Oak Avenue). A 20-meter by 20-meter receptor grid was used for park and residential receptors.

The model requires additional input parameters, including local meteorology and terrain. AERMOD-ready meteorological (met) data was obtained from South Coast AQMD for the nearest representative met station with the five latest available years of record (Azusa 2012–2016) to represent local weather conditions and prevailing winds. The prevailing wind direction at the Azusa met station is to the east-northeast, and the wind rose is provided in Attachment C.

The modeling also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. Digital elevation model data for the project site and surrounding area were obtained and included in the model runs to account for complex terrain. An emissions release height of 4.15 meters was used as representative of the stack exhaust height for off-road construction equipment and diesel truck traffic, and an initial vertical dispersion parameter of 1.93 meters was used, per CARB guidance (CARB, 2000).

To determine contaminant impacts during construction hours, the model's Hour-By-Day-of-Week (HRDOW) scalar option was invoked to predict ground-level concentrations for emissions generated between the hours of 7:00 AM and 4:00 PM, with a 1-hour lunch break, Monday to Friday. In addition, a scalar factor was applied to the risk calculations to account for the number of days residents are exposed to construction emissions per year. The operational model run evaluated emissions generated between the proposed work hours (24 hours per day, 7 days per week).

A unit emission rate of 1 gram per second was used for both construction and operational model runs. The unit emission rates were proportioned over the poly-area sources for on-site sources and between the number of adjacent volumes sources for the off-site truck routes. The maximum AERMOD concentrations from the output files were then multiplied by the emission rates calculated in Section 4.1 (and provided in Attachments A and B) to obtain the maximum ground-level concentrations at the maximum exposed individual resident (MEIR) and the maximum exposed sports park receptor. The AERMOD model output for the emission sources is presented in Attachment C for the construction model run and Attachment D for the operational model run. The model output DPM concentrations for the construction sources are provided in Attachment E. The model output concentrations for the operational phase sources are provided in Attachment F.

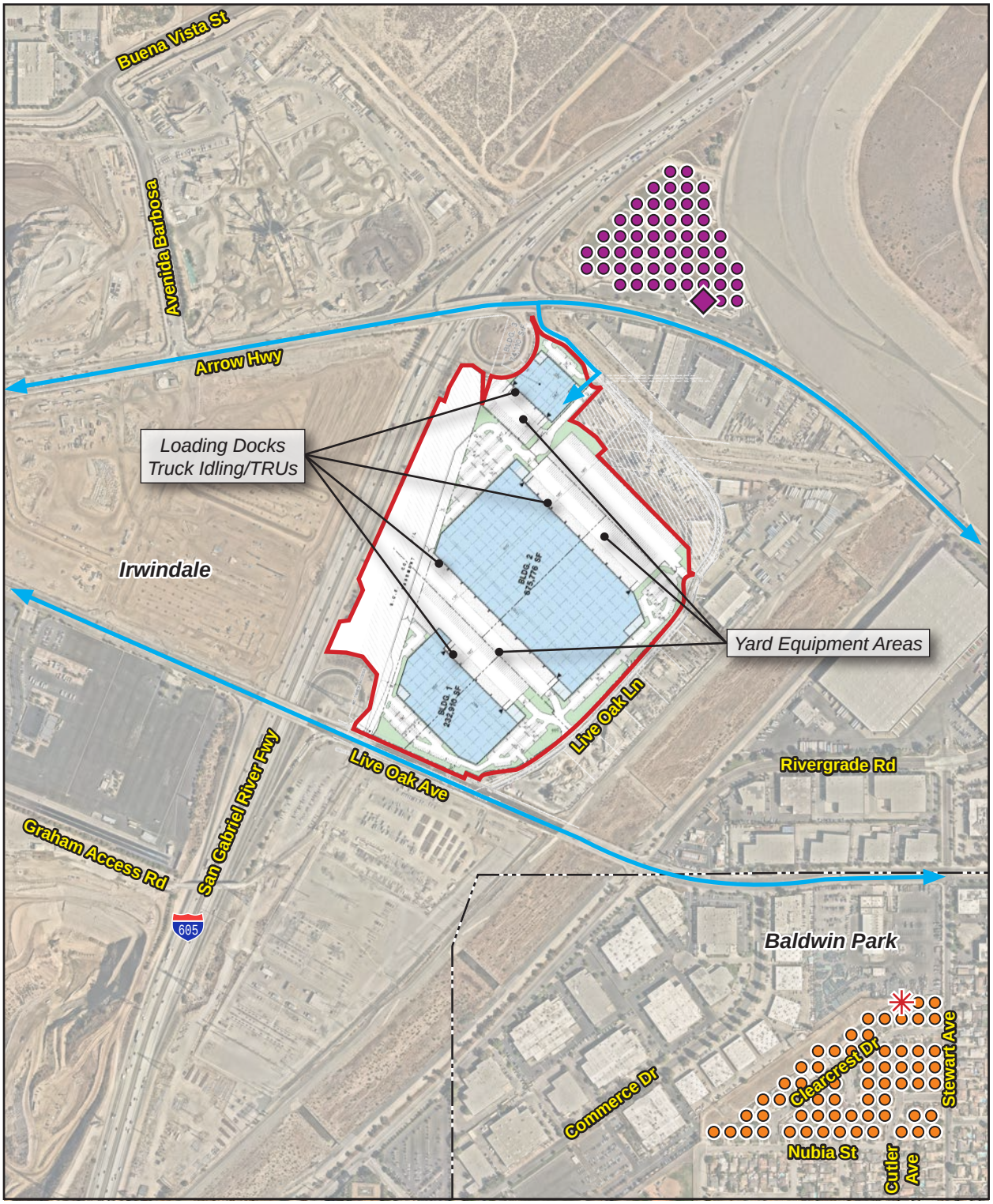
For the construction modeling, the receptor locations and construction haul route are presented in Figure 5. Figure 6 depicts the warehouse emission sources, truck haul route, and receptor locations used for the operational modeling.

Figure 5 - Construction Modeling – Source and Receptor Locations

Source: Nearmap, Inc., 2023.

PlaceWorks

Figure 6 - Operational Modeling – Source and Receptor Locations



Source: Nearmap, Inc., 2023.

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6. Risk Methodology

6.1 CARCINOGENIC CHEMICAL RISK

Carcinogenic compounds do not have threshold levels (i.e., dose levels below which there are no risks). Therefore, any exposure will have some associated risk. The South Coast AQMD has established a maximum incremental cancer risk of 10 in a million (1×10^{-5} or 10×10^{-6}) for California Environmental Quality Act (CEQA) projects, and the OEHHA also sets a typical risk management level as 10 in a million (OEHHA, 2015).

Health risks associated with exposure to carcinogenic compounds can be defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. The cancer risk probability is determined by multiplying the chemical's annual concentration by its cancer potency factor (CPF), a measure of the carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It is an upper-limit estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu g/m^3$) averaged over a lifetime of 70 years.

Recent guidance from OEHHA recommends a refinement to the standard point estimate approach with the use of age-specific breathing rates and age sensitivity factors (ASF) to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose for each age group. Once determined, contaminant dose is multiplied by the cancer potency factor in units of inverse dose expressed in milligrams per kilogram per day $(mg/kg/day)^{-1}$ to derive the cancer risk estimate. Therefore, the following dose algorithm was used to accommodate the unique exposures associated with each receptor type.

$$\text{Dose}_{\text{AIR,per age group}} = (C_{air} \times EF \times [\frac{BR}{BW}] \times A \times CF)$$

where:

Dose_{AIR}	=	dose by inhalation (mg/kg/day), per age group
C_{air}	=	concentration of contaminant in air ($\mu g/m^3$)
EF	=	exposure frequency (number of days/365 days)
BR/BW	=	daily breathing rate normalized to body weight (L/kg/day)
A	=	inhalation absorption factor (default = 1)
CF	=	conversion factor ($1x10^{-6}$, µg to mg, L to m^3)

The inhalation absorption factor (A) is a unitless factor that is only used if the cancer potency factor included a correction for absorption across the lung. The default value of 1 was used for this assessment. For residential receptors, the exposure frequency (EF) of 0.96 is used to represent 350 days per year to allow for a two-week period away from home each year (OEHHA, 2015). This timeline is considered appropriate for potential

workplace exposures established by OEHHA. The daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASF), and fraction of time at home (FAH) for the various age groups follow:

Age Groups	BR/BW (L/kg-day)	ED	ASF	FAH
Third trimester	361	0.25	10	0.85
0–2 age group	1,090	2	10	0.85
2–9 age group	861	7	3	0.72
2–16 age group	745	14	3	0.72
16–30 age group	335	14	1	0.73

To represent the unique characteristics of users of the youth sports park (Kare Youth Interleague Irwindale), the assessment employed the USEPA's guidance to develop viable dose estimates based on reasonable maximum exposure, defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. Lifetime risk values for the sports park user population were adjusted to account for an exposure of 180 days per year, 4 hours per day for 14 years (ages 2 to 16). In addition, the calculated risk for students is multiplied by an ASF-weighting factor of 3 (for children ages 2 to 16) to account for early life sensitivity to pollutant exposures (OEHHA, 2015). For sports park users, the inhalation rate was taken as the 8-hour 95th percentile breathing rates multiplied by the mean METS (metabolic equivalent) distribution for walk/bike/jog of 5.8 to represent exercise at youth park (OEHHA, 2015).

For construction analysis, the exposure duration spans the length of construction (i.e., 2024 to 2027). To calculate the overall cancer risk, the risk for each appropriate age group is calculated per the following equation:

$$\text{Cancer Risk}_{\text{AIR}} = \text{Dose}_{\text{AIR}} \times \text{CPF} \times \text{ASF} \times \text{FAH} \times \frac{\text{ED}}{AT}$$

where:

Dose_{AIR}	=	dose by inhalation (mg/kg/day), per age group
CPF	=	cancer potency factor, chemical-specific $(\text{mg/kg/day})^{-1}$
ASF	=	age sensitivity factor, per age group
FAH	=	fraction of time at home, per age group (for residential receptors only)
ED	=	exposure duration (years)
AT	=	averaging time period over which exposure duration is averaged (always 70 years)

The final step converts the cancer risk in scientific notation to a whole number that expresses the cancer risk in "chances per million" by multiplying the cancer risk by a factor of 1×10^6 (i.e., 1 million).

Incremental cancer risk (expressed in chances per million) was calculated for the MEIR and the maximum exposed sports park receptor. The assessment was based on reasonable maximum exposure, defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. Per default exposure parameters, it was assumed that the MEIR spent 24 hours/day, 7 days/week, 350 days/year outside their residence. The evaluated sports park receptors were also assumed to spend 4 hours/day, 180 days/year outside.

For construction, the calculated results are provided in Attachment E. For the operational risk calculations, CARB's Hotspots Analysis and Reporting Program (HARP2) Risk Assessment Standalone Tool was used to calculate the cancer risk values for the MEIR (CARB, 2022), and the operational health risk calculations are provided in Attachment F.

6.2 NONCARCINOGENIC HAZARDS

An evaluation was also conducted of the potential noncancer effects of chronic DPM exposure. Adverse health effects are evaluated by comparing the annual ground-level concentration of DPM from project construction or operation with the appropriate reference exposure limit (REL). Examples of noncancer adverse health effects are asthma, chronic obstructive pulmonary disease, and local effects from chemical exposure to specific organs such as the eyes, kidneys, and reproductive system.

The hazard index approach was used to quantify noncarcinogenic impacts. The hazard index assumes that chronic subthreshold exposures adversely affect a specific organ or organ system (toxicological endpoint). For DPM, the target organ determined by OEHHA is the respiratory system. To calculate the hazard index, the DPM concentration is divided by the DPM's chronic REL. A hazard index of 1 or lower means air toxics are unlikely to cause adverse noncancer health effects, such as asthma, over a lifetime of exposure.

For construction, the chronic hazard analysis for DPM is provided in Attachment E. For the operational risk calculations, CARB's HARP2, Risk Assessment Standalone Tool was used to calculate the chronic health risk values (CARB, 2022) and is provided in Attachment F.

6.3 CUMULATIVE THRESHOLDS

The South Coast AQMD published a report on how to address cumulative impacts from air pollution: "White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution" (South Coast AQMD, 2003), which states:

> …the South Coast AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR [i.e., air quality and greenhouse gas emissions]. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is HI > 1.0 while the cumulative (facility-wide) is HI > 3.0. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.
>
> Projects that exceed the project-specific significance thresholds are considered by the South Coast AQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant. (p. D-3)

Therefore, the project would not result in cumulative impacts if the operation of the project would not exceed the project-specific significance thresholds.

7. Results and Conclusions

The following section summarizes the results and conclusion for this HRA report. For the construction and operational modeling, the maximum exposed receptor locations are presented in Figures 5 and 6, respectively.

7.1 CONSTRUCTION HEALTH RISKS

The calculated health risk values are based on the maximum modeled receptor concentration over the construction exposure period, conservatively assuming a 24-hour per day outdoor exposure and averaged over a 70-year lifetime. According to the modeling results and as shown in Figure 5, *Construction Modeling – Sources and Receptor Locations*, the MEIR is a single-family residence southeast of the project site fronting Clearcrest Drive and the maximum exposed sports park receptor is at the southeast corner of the Kare Youth League Irwindale park. Results of the health risk assessment shown in Table 2 indicate that the maximum incremental cancer risk during the construction phase of the project at the MEIR and maximum exposed sports park receptor are less than one per million for both Option 1 and Option 2, which are below the significance threshold of 10 per million. For non-carcinogenic effects, the chronic hazard indices identified for each toxicological endpoint totaled less than one for MEIR and maximum exposed sports park receptor for both Options 1 and 2. Thus, chronic non-carcinogenic hazards are below the significance threshold. Therefore, the project would not expose off-site sensitive receptors to substantial concentrations of air pollutant emissions during construction and impacts would be less than significant.

Table 2 Construction Health Risk Summary

Site Option	Receptor	Cancer Risk (per million)	Chronic Hazards
Option 1	Maximum Exposed Individual Resident	0.3	0.001
	Maximum Exposed Receptor – Sports Park	0.6	0.019
Option 2	Maximum Exposed Individual Resident	0.3	0.001
	Maximum Exposed Receptor – Sports Park	0.6	0.019
South Coast AQMD Threshold		10	1.0
Exceeds Threshold?		**No**	**No**

7.2 OPERATIONAL HEALTH RISK RESULTS

Table 3 presents the results summary for the proposed project at the MEIR and maximum exposed sports park user for Options 1 and 2. As shown in Figure 6, *Operational Modeling – Sources and Receptor Locations*, the HRA predicted the MEIR is a single-family residence southeast of the project site fronting Clearcrest Drive and the maximum exposed sports park receptor is at the southeast corner of the Kare Youth League Irwindale park. The results in Table 3 indicate that the maximum incremental cancer risk at the MEIR is 5.9 per million for Option 1 and 4.4 per million for Option 2, which are each below the significance threshold of 10 per million. Similarly, the incremental cancer risk for the maximum exposed sports park receptor is 1.4 per million for Option 1 and 1.2 per million for Option 2, which also are each below the 10 in a million significance threshold. For noncarcinogenic effects, the chronic hazard indices identified for the respiratory system totaled well below the significance threshold of 1.0 for the MEIR and the maximum exposed sports park receptor for both site options.

Table 3 Operational Health Risk Summary

Site Option	Receptor	Cancer Risk (per million)	Chronic Hazards
Option 1	Maximum Exposed Individual Resident	5.9	0.002
	Maximum Exposed Receptor – Sports Park	1.4	0.008
Option 2	Maximum Exposed Individual Resident	4.4	0.001
	Maximum Exposed Receptor – Sports Park	1.2	0.007
South Coast AQMD Threshold		10	1.0
Exceeds Threshold?		**No**	**No**

Therefore, the proposed project would not expose off-site sensitive receptors to substantial concentrations of DPM emissions during project operation, and impacts would be less than significant.

It should be noted that the operational health risks provided in Table 3 include the assumption that all indoor and outdoor forklifts would be diesel-fueled. The diesel-fueled forklifts accounted for approximately 82 percent of the total calculated cancer risk for the project. As stated in Section 2, most industrial warehousing projects include non-diesel-fueled (i.e., electric or alternative fuel) indoor cargo handling equipment consistent with industry standards. If the project were to be modeled with electric forklifts, the calculated risks would reduce significantly from what is provided in Table 3. Therefore, the health risks provided in Table 3 for project operation provide a worst-case estimate of potential long-term health risks from the project.

7.3 CONSTRUCTION + OPERATIONAL RISK

Sensitive receptors proximate to the project site would be exposed to elevated levels of air pollutants during construction activities; and then subsequently, operational activities. As a result, the following evaluates the combined health risks from project-related construction and operational activities for a 30-year residential scenario.

The risks levels shown in Table 4 are based on the approximate 3 years of exposure to construction emissions and 30 years of exposure to operational emissions. This is conservative as OEHHA recommends determining residential risk over a 30 year period, which for this project would equate to 3 year of construction exposure and only 27 years of exposure to operational activities instead of the 30 years shown in Table 4. As shown in the table, total cancer risks from project-related construction and operational activities would be 6.2 in a million for Option 1 and 4.7 in a million for Option 2, which are each below the threshold value of 10 per million. For non-carcinogenic effects, the chronic hazard index identified for each toxicological endpoint totaled less than one for residents from each site option Similarly for the maximum exposed sports park user, the combined cancer risk of 2 in a million for Option 1 and 1.8 in a million for Option 2 would not exceed South Coast AQMD threshold.

Therefore, the combined construction and operation of the project would not expose off-site sensitive receptors to substantial concentrations of air pollutant emissions, and health risk impacts would be less than significant.

Table 4 Cumulative Analysis Results for Maximum Exposed Individual Resident

Site Option	Maximum Exposed Individual Resident (MEIR)	Cancer Risk (per million)	Chronic Hazards
Option 1	Project Construction	0.3	0.001
	Project Operation	5.9	0.002
	Combined Total	6.2	0.003
Option 2	Project Construction	0.3	0.001
	Project Operation	4.4	0.001
	Combined Total	4.7	0.002
South Coast AQMD Threshold		10	1.0
Exceeds Threshold?		**No**	**No**

7.4 CUMULATIVE DISCUSSION

As described in Section 6.3, the project-specific and cumulative significance thresholds are the same because the background risk in the South Coast Air Basin (SoCAB) is already high; therefore, the threshold is based on the potential for a project to cumulatively contribute to elevated levels of risk in the SoCAB (South Coast AQMD, 2003). Therefore, the project would not result in cumulative impacts since operation of the project would not exceed the project-specific significance thresholds.

AIR QUALITY TRENDS

The National Association of Industrial and Office Properties (NAIOP) prepared a white paper that describes air quality trends in the SoCAB (NAIOP, 2019). To summarize that report, air quality over the period from 1980 to 2018 has drastically improved and will continue to improve for the air basin, with emerging technologies being unveiled on a yearly basis as well as South Coast AQMD rule development, implementation programs, and air quality management plans. The NAIOP concludes that rigorous individualized review under CEQA on a project-by-project basis is the correct policy to enforce to ensure public health.

Overall cancer risk throughout the SoCAB has been on a declining trend since 1990. In April 2021, the South Coast AQMD "Multiple Air Toxics Exposure Study in the South Coast Air Basin (Basin)," MATES V, showed that the average cancer risk in the air basin of 454 per million had decreased by 54 percent since 2012 (South Coast AQMD, 2021). Additionally, CARB estimates DPM emissions in 2035 will be less than half those in 2010 (CARB, 2023b).

ENVIRONMENTAL JUSTICE CONCERNS

According to the recommendation of the Office of the Attorney General of California, the operational HRA was conducted to evaluate potential health risk impacts from project-related truck trips and other project-related sources of DPM to the nearby surrounding sensitive receptors. The HRA is an example best practice under the guidelines of the "Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act" (OAG, 2023). As discussed above, the project would not result in cumulative impacts to the nearby residents because operation of the project would not exceed the project-specific significance thresholds.

OTHER WAREHOUSE PROJECTS

For informational purposes, a review was conducted of recent and nearby approved or pending projects under the City's cumulative project list. Table 5, *Health Risk Summary for City of Irwindale Approved and Pending Projects Within Two Miles of the Proposed Project*, provides the results of the Operational HRAs conducted for the approved or pending projects.

Table 5 Health Risk Summary for City of Irwindale Approved and Pending Projects Within Two Miles of the Proposed Project

ID	Project	Sensitive Receptors	Residential Cancer Risk
CITY OF IRWINDALE – Approved projects			
IRA1	5175 Vincent Avenue Project [1] 545,737 SF Industrial	Residents 75 feet east of project	3.7 per million
IRA2	The Park @ Live Oak Specific Plan [2] 78.3-acre Industrial Park/Retail	Residents 1,900 feet north of project	0.5 per million
IRA3	City of Hope Campus Plan [3] Medical Facility	Residents 50 feet west of project	5.1 per million (for construction)
IRA4	13131 Los Angeles Street [4] 528,710 SF Industrial	Residents 670 feet east of project	2.7 per million
IRA5	2200 Arrow Highway [5] – Materials Recovery Facility and Transfer Station; 17.22-acre	Residents 450 feet south of project	6.6 per million
CITY OF IRWINDALE – Pending projects			
IRP1	500 Speedway Drive – Speedway Commerce Center Specific Plan; 63.3 acre	Residents over 2,000 feet to north and southeast	pending

Note: SF = square feet

[1] City of Irwindale, 2021. *Draft Environmental Impact Report for 5175 Vincent Avenue Project*, dated February 2021. Prepared by De Novo Planning Group.

[2] Urban Crossroads, 2018. *Mobile Source Health Risk Assessment for The Park @ Live Oak*, dated July 5, 2018. Prepared for the City of Irwindale.

[3] PlaceWorks, 2017. *Construction Health Risk Assessment for City of Hope Campus Plan* dated July 2017. Prepared for the City of Duarte.
Note: due to project type, health risks from project operation were not determined.

[4] ECORP Consulting, Inc., 2019. *Health Risk Assessment for 13131 Los Angeles Street Industrial Project*, dated December 2019. Prepared for the City of Irwindale.

[5] City of Irwindale, 2014. *Draft Environmental Impact Report for Irwindale Materials Recovery Facility and Transfer Station Project* dated April 2014.

As shown in Table 5, the results of the operational HRAs determined the maximum incremental cancer risk at the maximum exposed individual resident for each of the individual projects identified above would be less than 10 in a million (i.e., below the project level significance threshold).

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Attachment A. Construction Emissions

Onsite Construction PM10 Exhaust Emissions - Option 1 Scenario 1

Year	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)	# of Workdays/ Year	Construction Duration[2]
2024	122	1.14	1.43E-01	1.80E-02	262	0.47
2025	261	4.59	5.74E-01	7.23E-02	261	1.00
2026	80	3.07	3.84E-01	4.84E-02	261	0.31
2027	161	2.75	3.43E-01	4.33E-02	261	0.62

Offsite Construction PM10 Exhaust Emissions - Option 1 Scenario 1

Year	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000 ft (lbs/day) [3]	Emission Rate (lbs/hr)	Emission Rate (g/s)
2024	122	0.08	3.93E-03	4.92E-04	6.20E-05
2025	261	0.10	5.21E-03	6.51E-04	8.20E-05
2026	80	0.10	5.13E-03	6.42E-04	8.09E-05
2027	161	0.04	2.18E-03	2.72E-04	3.43E-05

Note: Emissions evenly distributed over 115 modeled volume sources.

Hauling Length (miles) [3]	20.0	miles
Haul Length within 1,000 ft of Site (mile) [4]	1.03	miles
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks) [5]	8	hours

[1] DPM emissions taken as PM_{10} exhaust emissions from CalEEMod average daily emissions.

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

[3] Based on CalEEMod default 20 mile hauling distance.

[4] Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances , are adjusted to evaluate emissions from the 0.51-mile route within 1,000 of the project site.

[5] Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App C - Air Dispersion Model Output Files).

[6] Based on CalEEMod default 20 mile hauling distance.

Option 1

3.19. Trenching (2024) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.93	1.62	13.45	13.84	0.03	0.64		0.64	0.59		0.59
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.93	1.62	13.45	13.84	0.03	0.64	0.00	0.64	0.59	0.00	0.59

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.07	0.07	0.07	1.13	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.02	0.01	0.23	0.11	0.00	0.00	0.05	0.05	0.00	0.01	0.02
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.09	0.07	0.30	1.24	0.00	0.00	0.25	0.25	0.00	0.06	0.06

3.5. Building Construction (2024) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.44	1.20	11.22	13.12	0.02	0.50		0.50	0.46		0.46
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.44	1.20	11.22	13.12	0.02	0.50	0.00	0.50	0.46	0.00	0.46

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		2.09	1.88	2.00	31.61	0.00	0.00	5.48	5.48	0.00	1.28	1.28
Vendor		0.42	0.16	6.21	3.05	0.04	0.07	1.40	1.47	0.07	0.39	0.46
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2.50	2.04	8.21	34.66	0.04	0.07	6.88	6.95	0.07	1.67	1.74

3.7. Option 1 Building 1 Construction (2025) - Option 1

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		1.35	1.13	10.44	13.04	0.02	0.43		0.43	0.40		0.40
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.35	1.13	10.44	13.04	0.02	0.43	0.00	0.43	0.40	0.00	0.40

Unmitigated Construction Off-Site

			ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		2.00	1.80	1.82	29.16	0.00	0.00	5.48	5.48	0.00	1.28	1.28
Vendor		0.37	0.15	5.90	2.88	0.04	0.07	1.40	1.47	0.04	0.39	0.42
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2.38	1.95	7.71	32.04	0.04	0.07	6.88	6.95	0.04	1.67	1.71

3.13. Option 1 Building 1 Paving (2025) - Option 1

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		0.95	0.80	7.45	9.98	0.01	0.35		0.35	0.32		0.32
Paving			0.89									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.95	1.69	7.45	9.98	0.01	0.35	0.00	0.35	0.32	0.00	0.32

Unmitigated Construction Off-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05

3.15. Option 1 Building 1 Architectural Coating (2025) - Option 1

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		0.15	0.13	0.88	1.14	0.00	0.03		0.03	0.03		0.03
Architectural Coatings			6.54									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.15	6.67	0.88	1.14	0.00	0.03	0.00	0.03	0.03	0.00	0.03

Unmitigated Construction Off-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		0.80	0.72	0.73	11.66	0.00	0.00	2.19	2.19	0.00	0.51	0.51
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.80	0.72	0.73	11.66	0.00	0.00	2.19	2.19	0.00	0.51	0.51

3.1. Linear, Grubbing & Land Clearing (2025) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.46	0.39	3.39	3.49	0.00	0.21		0.21	0.19		0.19
Dust From Material M								0.21	0.21		0.02	0.02
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.46	0.39	3.39	3.49	0.00	0.21	0.21	0.42	0.19	0.02	0.22

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.02	0.02	0.02	0.29	0.00	0.00	0.07	0.07	0.00	0.02	0.02
Vendor		0.01	0.00	0.15	0.07	0.00	0.00	0.03	0.04	0.00	0.01	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.03	0.02	0.17	0.37	0.00	0.00	0.10	0.10	0.00	0.02	0.03

3.3. Linear, Grading & Excavation (2025) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		3.71	3.11	27.29	29.40	0.06	1.21		1.21	1.11		1.11
Dust From Material Movement								1.24	1.24		0.13	0.13
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		3.71	3.11	27.29	29.40	0.06	1.21	1.24	2.45	1.11	0.13	1.24

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.14	0.13	0.13	2.09	0.00	0.00	0.39	0.39	0.00	0.09	0.09
Vendor		0.06	0.02	0.90	0.44	0.01	0.01	0.21	0.23	0.01	0.06	0.06
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.20	0.15	1.03	2.53	0.01	0.01	0.61	0.62	0.01	0.15	0.16

3.5. Linear, Drainage, Utilities, & Sub-Grade (2025) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		2.99	2.51	22.93	23.63	0.05	0.91		0.91	0.84		0.84
Dust From Material Movement								1.03	1.03		0.11	0.11
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2.99	2.51	22.93	23.63	0.05	0.91	1.03	1.95	0.84	0.11	0.95

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.12	0.11	0.11	1.74	0.00	0.00	0.33	0.33	0.00	0.08	0.08
Vendor		0.04	0.02	0.65	0.32	0.00	0.01	0.15	0.16	0.00	0.04	0.05
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.16	0.12	0.76	2.06	0.00	0.01	0.48	0.49	0.00	0.12	0.12

3.7. Linear, Paving (2025) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.06	0.89	7.71	10.79	0.01	0.34		0.34	0.31		0.31
Dust From Material Movement		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.06	0.89	7.71	10.79	0.01	0.34	0.00	0.34	0.31	0.00	0.31

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.08	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.08	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05

3.1. Sewer Main and Storm Drain Site Site Preparation (Public) (2025) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.42	1.19	10.86	10.97	0.03	0.47		0.47	0.43		0.43
Dust From Material Movement								0.62	0.62		0.07	0.07
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.42	1.19	10.86	10.97	0.03	0.47	0.62	1.09	0.43	0.07	0.50

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.04	0.03	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor		0.02	0.01	0.38	0.18	0.00	0.00	0.09	0.09	0.00	0.02	0.03
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.06	0.04	0.41	0.62	0.00	0.00	0.18	0.19	0.00	0.05	0.05

3.3. Sewer Main and Storm Drain Site Pipeline Construction (Public) (2025) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.95	0.79	7.00	8.10	0.02	0.27		0.27	0.25		0.25
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.95	0.79	7.00	8.10	0.02	0.27	0.00	0.27	0.25	0.00	0.25

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.03	0.03	0.03	0.42	0.00	0.00	0.08	0.08	0.00	0.02	0.02
Vendor		0.00	0.00	0.07	0.04	0.00	0.00	0.02	0.02	0.00	0.00	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.03	0.03	0.10	0.45	0.00	0.00	0.10	0.10	0.00	0.02	0.02

3.5. Sewer Main and Storm Drain Site Paving (Public) (2025) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.83	0.70	6.13	8.21	0.01	0.27		0.27	0.25		0.25
Paving			0.01									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.83	0.71	6.13	8.21	0.01	0.27	0.00	0.27	0.25	0.00	0.25

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05

3.7. Sewer Main and Storm Drain Site Utilities Trenching (Public) (2025) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.41	0.34	2.96	3.77	0.01	0.10		0.10	0.09		0.09
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.41	0.34	2.96	3.77	0.01	0.10	0.00	0.10	0.09	0.00	0.09

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.05	0.04	0.04	0.70	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Vendor		0.00	0.00	0.07	0.04	0.00	0.00	0.02	0.02	0.00	0.00	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.05	0.04	0.12	0.73	0.00	0.00	0.15	0.15	0.00	0.04	0.04

3.1. Option 1 Rough Grading (2026) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		3.62	3.04	27.23	27.57	0.06	1.12		1.12	1.03		1.03
Dust From Material Movement								3.59	3.59		1.42	1.42
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		3.62	3.04	27.23	27.57	0.06	1.12	3.59	4.71	1.03	1.42	2.46

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.08	0.07	0.08	1.29	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor		0.05	0.02	0.69	0.33	0.00	0.01	0.17	0.18	0.00	0.05	0.05
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.13	0.09	0.77	1.62	0.00	0.01	0.43	0.44	0.00	0.11	0.11

3.21. Option 1 Buildings 2 and 3 Utility Trenching (2026) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.76	1.48	11.37	13.67	0.03	0.51		0.51	0.47		0.47
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.76	1.48	11.37	13.67	0.03	0.51	0.00	0.51	0.47	0.00	0.47

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.06	0.05	0.07	0.83	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.01	0.01	0.22	0.10	0.00	0.00	0.05	0.05	0.00	0.01	0.02
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.08	0.06	0.28	0.93	0.00	0.00	0.25	0.25	0.00	0.06	0.06

3.9. Option 1 Buildings 2 and 3 Construction (2026) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.28	1.07	9.85	12.97	0.02	0.38		0.38	0.35		0.35
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.28	1.07	9.85	12.97	0.02	0.38	0.00	0.38	0.35	0.00	0.35

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		1.74	1.54	1.63	27.07	0.00	0.00	5.48	5.48	0.00	1.28	1.28
Vendor		0.37	0.15	5.62	2.72	0.04	0.07	1.40	1.47	0.04	0.39	0.42
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2.11	1.70	7.25	29.78	0.04	0.07	6.88	6.95	0.04	1.67	1.71

3.9. Linear, Paving (2026) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.00	0.84	7.37	10.76	0.01	0.30		0.30	0.28		0.28
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.00	0.84	7.37	10.76	0.01	0.30	0.00	0.30	0.28	0.00	0.28

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.07	0.06	0.08	0.96	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.07	0.06	0.08	0.96	0.00	0.00	0.23	0.23	0.00	0.05	0.05

3.1. Sewer Main and Storm Drain Site Site Preparation (Private) (2026) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.34	1.13	9.84	10.82	0.03	0.42		0.42	0.39		0.39
Dust From Material Movement								0.62	0.62		0.07	0.07
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.34	1.13	9.84	10.82	0.03	0.42	0.62	1.04	0.39	0.07	0.46

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.03	0.03	0.03	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor		0.02	0.01	0.34	0.17	0.00	0.00	0.09	0.09	0.00	0.02	0.03
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.05	0.04	0.37	0.65	0.00	0.00	0.18	0.19	0.00	0.05	0.05

3.3. Sewer Main and Storm Drain Site Pipeline Construction 2026 (Private) (2026) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.91	0.76	6.67	8.03	0.02	0.25		0.25	0.23		0.23
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.91	0.76	6.67	8.03	0.02	0.25	0.00	0.25	0.23	0.00	0.23

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.03	0.03	0.24	0.29	0.00	0.01		0.01	0.01		0.01
Total		0.03	0.03	0.24	0.29	0.00	0.01	0.00	0.01	0.01	0.00	0.01

3.9. Sewer Main and Storm Drain Site Utility Trenching 2026 (Private) (2026) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.39	0.32	2.87	3.76	0.01	0.08		0.08	0.08		0.08
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.39	0.32	2.87	3.76	0.01	0.08	0.00	0.08	0.08	0.00	0.08

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.04	0.04	0.04	0.65	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Vendor		0.00	0.00	0.07	0.03	0.00	0.00	0.02	0.02	0.00	0.00	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.05	0.04	0.11	0.68	0.00	0.00	0.15	0.15	0.00	0.04	0.04

3.11. Option 1 Buildings 2 and 3 Construction (2027) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.23	1.03	9.39	12.94	0.02	0.34		0.34	0.31		0.31
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.23	1.03	9.39	12.94	0.02	0.34	0.00	0.34	0.31	0.00	0.31

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		1.69	1.49	1.45	25.17	0.00	0.00	5.48	5.48	0.00	1.28	1.28
Vendor		0.33	0.15	5.38	2.56	0.04	0.04	1.40	1.44	0.04	0.39	0.42
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2.01	1.64	6.83	27.73	0.04	0.04	6.88	6.91	0.04	1.67	1.71

3.13. Option 1 Buildings 2 and 3 Paving (2027) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.95	0.80	7.45	9.98	0.01	0.35		0.35	0.32		0.32
Paving			0.89									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.95	1.69	7.45	9.98	0.01	0.35	0.00	0.35	0.32	0.00	0.32

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05

3.17. Option 1 Buildings 2 and 3 Architectural Coating (2027) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.14	0.11	0.83	1.13	0.00	0.02		0.02	0.02		0.02
Architectural Coatings			81.67									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.14	81.78	0.83	1.13	0.00	0.02	0.00	0.02	0.02	0.00	0.02

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.68	0.60	0.58	10.09	0.00	0.00	2.20	2.20	0.00	0.51	0.51
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.68	0.60	0.58	10.09	0.00	0.00	2.20	2.20	0.00	0.51	0.51

3.3. Option 1 Fine Grading (2027) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		3.51	2.95	25.58	27.28	0.06	1.04		1.04	0.96		0.96
Dust From Material M								3.59	3.59		1.42	1.42
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		3.51	2.95	25.58	27.28	0.06	1.04	3.59	4.63	0.96	1.42	2.38

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.08	0.07	0.07	1.20	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor		0.04	0.02	0.66	0.31	0.00	0.00	0.17	0.18	0.00	0.05	0.05
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.12	0.09	0.73	1.51	0.00	0.00	0.43	0.44	0.00	0.11	0.11

3.23. Option 1 Finishing/Landscaping (2027) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.70	1.43	10.70	13.64	0.03	0.47		0.47	0.43		0.43
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.70	1.43	10.70	13.64	0.03	0.47	0.00	0.47	0.43	0.00	0.43

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.06	0.05	0.05	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.06	0.05	0.05	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05

3.5. Sewer Main and Storm Drain Site Pipeline Construction 2027 (Private) (2027) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.88	0.74	6.45	8.02	0.02	0.23		0.23	0.21		0.21
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.88	0.74	6.45	8.02	0.02	0.23	0.00	0.23	0.21	0.00	0.21

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.02	0.02	0.02	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02
Vendor		0.00	0.00	0.07	0.03	0.00	0.00	0.02	0.02	0.00	0.00	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.03	0.02	0.09	0.39	0.00	0.00	0.10	0.10	0.00	0.02	0.02

3.11. Sewer Main and Storm Drain Site Utility Trenching 2027 (Private) (2027) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.37	0.31	2.80	3.75	0.01	0.07		0.07	0.07		0.07
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.37	0.31	2.80	3.75	0.01	0.07	0.00	0.07	0.07	0.00	0.07

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.04	0.04	0.03	0.60	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Vendor		0.00	0.00	0.07	0.03	0.00	0.00	0.02	0.02	0.00	0.00	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.04	0.04	0.10	0.63	0.00	0.00	0.15	0.15	0.00	0.04	0.04

3.7. Sewer Main and Storm Drain Site Paving (Private) (2027) - Option 1

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.77	0.65	5.74	8.20	0.01	0.23		0.23	0.21		0.21
Paving			0.06									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.77	0.71	5.74	8.20	0.01	0.23	0.00	0.23	0.21	0.00	0.21

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.06	0.05	0.05	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.06	0.05	0.05	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05

Onsite Construction PM10 Exhaust Emissions - Option 2 Scenario 1

Year	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)	# of Workdays/ Year	Construction Duration[2]
2024	122	1.14	1.43E-01	1.80E-02	262	0.47
2025	261	4.57	5.71E-01	7.19E-02	261	1.00
2026	80	3.07	3.84E-01	4.84E-02	261	0.31
2027	161	2.84	3.55E-01	4.48E-02	261	0.62

Offsite Construction PM10 Exhaust Emissions - Option 2 Scenario 1

Year	# of Construction Days/Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000 ft (lbs/day) [3]	Emission Rate (lbs/hr)	Emission Rate (g/s)
2024	122	0.05	2.82E-03	3.52E-04	4.44E-05
2025	261	0.08	4.09E-03	5.12E-04	6.45E-05
2026	80	0.08	4.02E-03	5.02E-04	6.33E-05
2027	161	0.03	1.62E-03	2.02E-04	2.55E-05

Note: Emissions evenly distributed over 115 modeled volume sources.

Hauling Length (miles)[3]	20.0	miles
Haul Length within 1,000 ft of Site (mile)[4]	1.03	miles
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks)[5]	8	hours

[1] DPM emissions taken as PM_{10} exhaust emissions from CalEEMod average daily emissions.

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

[3] Based on CalEEMod default 20 mile hauling distance.

[4] Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances , are adjusted to evaluate emissions from the 0.51-mile route within 1,000 of the project site.

[5] Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App C - Air Dispersion Model Output Files).

[6] Based on CalEEMod default 20 mile hauling distance.

Option 2

3.19. Option 2 BESS Utilities Trenching (2024) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.93	1.62	13.45	13.84	0.03	0.64		0.64	0.59		0.59
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.93	1.62	13.45	13.84	0.03	0.64	0.00	0.64	0.59	0.00	0.59

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.07	0.07	0.07	1.13	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.02	0.01	0.23	0.11	0.00	0.00	0.05	0.05	0.00	0.01	0.02
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.09	0.07	0.30	1.24	0.00	0.00	0.25	0.25	0.00	0.06	0.06

3.5. Option 2 BESS Construction (2024) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.44	1.20	11.22	13.12	0.02	0.50		0.50	0.46		0.46
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.44	1.20	11.22	13.12	0.02	0.50	0.00	0.50	0.46	0.00	0.46

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		1.47	1.33	1.41	22.31	0.00	0.00	3.87	3.87	0.00	0.91	0.91
Vendor		0.29	0.11	4.38	2.15	0.03	0.05	0.99	1.04	0.05	0.27	0.32
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.77	1.44	5.80	24.46	0.03	0.05	4.85	4.90	0.05	1.18	1.23

3.7. Option 2 BESS Construction (2025) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.35	1.13	10.44	13.04	0.02	0.43		0.43	0.40		0.40
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.35	1.13	10.44	13.04	0.02	0.43	0.00	0.43	0.40	0.00	0.40

Unmitigated Construction Off-Site

Category	lbs/day		ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		1.41	1.27	1.28	20.57	0.00	0.00	3.87	3.87	0.00	0.91	0.91
Vendor		0.26	0.11	4.16	2.04	0.03	0.05	0.99	1.04	0.03	0.27	0.30
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.68	1.38	5.44	22.61	0.03	0.05	4.85	4.90	0.03	1.18	1.20

3.13. Option 2 BESS Construction Paving (2025) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.95	0.80	7.45	9.98	0.01	0.35		0.35	0.32		0.32
Paving			0.64									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.95	1.43	7.45	9.98	0.01	0.35	0.00	0.35	0.32	0.00	0.32

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05

3.1. Linear, Grubbing & Land Clearing (2025) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.46	0.39	3.39	3.49	0.00	0.21		0.21	0.19		0.19
Dust From Material M								0.21	0.21		0.02	0.02
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.46	0.39	3.39	3.49	0.00	0.21	0.21	0.42	0.19	0.02	0.22

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.02	0.02	0.02	0.29	0.00	0.00	0.07	0.07	0.00	0.02	0.02
Vendor		0.01	0.00	0.15	0.07	0.00	0.00	0.03	0.04	0.00	0.01	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.03	0.02	0.17	0.37	0.00	0.00	0.10	0.10	0.00	0.02	0.03

3.3. Linear, Grading & Excavation (2025) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		3.71	3.11	27.29	29.40	0.06	1.21		1.21	1.11		1.11
Dust From Material Movement								1.24	1.24		0.13	0.13
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		3.71	3.11	27.29	29.40	0.06	1.21	1.24	2.45	1.11	0.13	1.24

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.14	0.13	0.13	2.09	0.00	0.00	0.39	0.39	0.00	0.09	0.09
Vendor		0.06	0.02	0.90	0.44	0.01	0.01	0.21	0.23	0.01	0.06	0.06
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.20	0.15	1.03	2.53	0.01	0.01	0.61	0.62	0.01	0.15	0.16

3.5. Linear, Drainage, Utilities, & Sub-Grade (2025) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		2.99	2.51	22.93	23.63	0.05	0.91		0.91	0.84		0.84
Dust From Material Movement								1.03	1.03		0.11	0.11
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		2.99	2.51	22.93	23.63	0.05	0.91	1.03	1.95	0.84	0.11	0.95

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.12	0.11	0.11	1.74	0.00	0.00	0.33	0.33	0.00	0.08	0.08
Vendor		0.04	0.02	0.65	0.32	0.00	0.01	0.15	0.16	0.00	0.04	0.05
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.16	0.12	0.76	2.06	0.00	0.01	0.48	0.49	0.00	0.12	0.12

3.7. Linear, Paving (2025) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.06	0.89	7.71	10.79	0.01	0.34		0.34	0.31		0.31
Dust From Material Movement		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.06	0.89	7.71	10.79	0.01	0.34	0.00	0.34	0.31	0.00	0.31

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.08	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.08	0.07	0.08	1.03	0.00	0.00	0.23	0.23	0.00	0.05	0.05

3.1. Sewer Main and Storm Drain Site Site Preparation (Public) (2025) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.42	1.19	10.86	10.97	0.03	0.47		0.47	0.43		0.43
Dust From Material Movement								0.62	0.62		0.07	0.07
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.42	1.19	10.86	10.97	0.03	0.47	0.62	1.09	0.43	0.07	0.50

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.04	0.03	0.04	0.44	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor		0.02	0.01	0.38	0.18	0.00	0.00	0.09	0.09	0.00	0.02	0.03
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.06	0.04	0.41	0.62	0.00	0.00	0.18	0.19	0.00	0.05	0.05

3.3. Sewer Main and Storm Drain Site Pipeline Construction (Public) (2025) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.95	0.79	7.00	8.10	0.02	0.27		0.27	0.25		0.25
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.95	0.79	7.00	8.10	0.02	0.27	0.00	0.27	0.25	0.00	0.25

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.03	0.03	0.03	0.42	0.00	0.00	0.08	0.08	0.00	0.02	0.02
Vendor		0.00	0.00	0.07	0.04	0.00	0.00	0.02	0.02	0.00	0.00	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.03	0.03	0.10	0.45	0.00	0.00	0.10	0.10	0.00	0.02	0.02

3.5. Sewer Main and Storm Drain Site Paving (Public) (2025) - Option 2

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		0.83	0.70	6.13	8.21	0.01	0.27		0.27	0.25		0.25
Paving			0.01									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.83	0.71	6.13	8.21	0.01	0.27	0.00	0.27	0.25	0.00	0.25

Unmitigated Construction Off-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.07	0.06	0.07	0.88	0.00	0.00	0.20	0.20	0.00	0.05	0.05

3.7. Sewer Main and Storm Drain Site Utilities Trenching (Public) (2025) - Option 2

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		0.41	0.34	2.96	3.77	0.01	0.10		0.10	0.09		0.09
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.41	0.34	2.96	3.77	0.01	0.10	0.00	0.10	0.09	0.00	0.09

Unmitigated Construction Off-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		0.05	0.04	0.04	0.70	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Vendor		0.00	0.00	0.07	0.04	0.00	0.00	0.02	0.02	0.00	0.00	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.05	0.04	0.12	0.73	0.00	0.00	0.15	0.15	0.00	0.04	0.04

3.1. Option 2 Rough Grading (2026) - Option 2

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		3.62	3.04	27.23	27.57	0.06	1.12		1.12	1.03		1.03
Dust From Material Movement								3.59	3.59		1.42	1.42
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		3.62	3.04	27.23	27.57	0.06	1.12	3.59	4.71	1.03	1.42	2.46

Unmitigated Construction Off-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		0.08	0.07	0.08	1.29	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor		0.05	0.02	0.69	0.33	0.00	0.01	0.17	0.18	0.00	0.05	0.05
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.13	0.09	0.77	1.62	0.00	0.01	0.43	0.44	0.00	0.11	0.11

3.21. Option 2 Buildings 1 and 2 Utility Trenching (2026) - Option 2

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		1.76	1.48	11.37	13.67	0.03	0.51		0.51	0.47		0.47
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.76	1.48	11.37	13.67	0.03	0.51	0.00	0.51	0.47	0.00	0.47

Unmitigated Construction Off-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		0.06	0.05	0.07	0.83	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.01	0.01	0.22	0.10	0.00	0.00	0.05	0.05	0.00	0.01	0.02
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.08	0.06	0.28	0.93	0.00	0.00	0.25	0.25	0.00	0.06	0.06

3.9. Option 2 Buildings 1 and 2 (2026) - Option 2

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		1.28	1.07	9.85	12.97	0.02	0.38		0.38	0.35		0.35
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.28	1.07	9.85	12.97	0.02	0.38	0.00	0.38	0.35	0.00	0.35

Unmitigated Construction Off-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		1.23	1.09	1.15	19.10	0.00	0.00	3.87	3.87	0.00	0.91	0.91
Vendor		0.26	0.11	3.97	1.92	0.03	0.05	0.99	1.04	0.03	0.27	0.30
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.49	1.20	5.11	21.02	0.03	0.05	4.85	4.90	0.03	1.18	1.20

3.9. Linear, Paving (2026) - Option 2

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		1.00	0.84	7.37	10.76	0.01	0.30		0.30	0.28		0.28
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.00	0.84	7.37	10.76	0.01	0.30	0.00	0.30	0.28	0.00	0.28

Unmitigated Construction Off-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		0.07	0.06	0.08	0.96	0.00	0.00	0.23	0.23	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.07	0.06	0.08	0.96	0.00	0.00	0.23	0.23	0.00	0.05	0.05

3.1. Sewer Main and Storm Drain Site Site Preparation (Private) (2026) - Option 2

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		1.34	1.13	9.84	10.82	0.03	0.42		0.42	0.39		0.39
Dust From Material Movement								0.62	0.62		0.07	0.07
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.34	1.13	9.84	10.82	0.03	0.42	0.62	1.04	0.39	0.07	0.46

Unmitigated Construction Off-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		0.03	0.03	0.03	0.48	0.00	0.00	0.10	0.10	0.00	0.02	0.02
Vendor		0.02	0.01	0.34	0.17	0.00	0.00	0.09	0.09	0.00	0.02	0.03
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.05	0.04	0.37	0.65	0.00	0.00	0.18	0.19	0.00	0.05	0.05

3.3. Sewer Main and Storm Drain Site Pipeline Construction 2026 (Private) (2026) - Option 2

Unmitigated Construction On-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Off-Road Equipment		0.91	0.76	6.67	8.03	0.02	0.25		0.25	0.23		0.23
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.91	0.76	6.67	8.03	0.02	0.25	0.00	0.25	0.23	0.00	0.23

Unmitigated Construction Off-Site

		TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Category	lbs/day											
Worker		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.03	0.03	0.24	0.29	0.00	0.01		0.01	0.01		0.01
Total		0.03	0.03	0.24	0.29	0.00	0.01	0.00	0.01	0.01	0.00	0.01

3.9. Sewer Main and Storm Drain Site Utility Trenching 2026 (Private) (2026) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.39	0.32	2.87	3.76	0.01	0.08		0.08	0.08		0.08
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.39	0.32	2.87	3.76	0.01	0.08	0.00	0.08	0.08	0.00	0.08

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.04	0.04	0.04	0.65	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Vendor		0.00	0.00	0.07	0.03	0.00	0.00	0.02	0.02	0.00	0.00	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.05	0.04	0.11	0.68	0.00	0.00	0.15	0.15	0.00	0.04	0.04

3.11. Option 2 Buildings 1 and 2 Construction (2027) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.23	1.03	9.39	12.94	0.02	0.34		0.34	0.31		0.31
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.23	1.03	9.39	12.94	0.02	0.34	0.00	0.34	0.31	0.00	0.31

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		1.19	1.05	1.02	17.76	0.00	0.00	3.87	3.87	0.00	0.91	0.91
Vendor		0.23	0.11	3.80	1.81	0.03	0.03	0.99	1.01	0.03	0.27	0.30
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.42	1.16	4.82	19.57	0.03	0.03	4.85	4.88	0.03	1.18	1.20

3.13. Option 2 Buildings 1 and 2 Paving (2027) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.95	0.80	7.45	9.98	0.01	0.35		0.35	0.32		0.32
Paving			0.64									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.95	1.43	7.45	9.98	0.01	0.35	0.00	0.35	0.32	0.00	0.32

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.07	0.06	0.06	1.04	0.00	0.00	0.20	0.20	0.00	0.05	0.05

3.17. Option 2 Buildings 1 and 2 Architectural Coating (2027) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.82	0.68	4.99	6.75	0.01	0.11		0.11	0.11		0.11
Architectural Coatings			63.54									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.82	64.22	4.99	6.75	0.01	0.11	0.00	0.11	0.11	0.00	0.11

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.48	0.42	0.41	7.10	0.00	0.00	1.55	1.55	0.00	0.36	0.36
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.48	0.42	0.41	7.10	0.00	0.00	1.55	1.55	0.00	0.36	0.36

3.3. Option 2 Fine Grading (2027) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		3.51	2.95	25.58	27.28	0.06	1.04		1.04	0.96		0.96
Dust From Material M								3.59	3.59		1.42	1.42
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		3.51	2.95	25.58	27.28	0.06	1.04	3.59	4.63	0.96	1.42	2.38

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.08	0.07	0.07	1.20	0.00	0.00	0.26	0.26	0.00	0.06	0.06
Vendor		0.04	0.02	0.66	0.31	0.00	0.00	0.17	0.18	0.00	0.05	0.05
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.12	0.09	0.73	1.51	0.00	0.00	0.43	0.44	0.00	0.11	0.11

3.23. Option 2 Finishing/Landscaping (2027) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		1.70	1.43	10.70	13.64	0.03	0.47		0.47	0.43		0.43
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		1.70	1.43	10.70	13.64	0.03	0.47	0.00	0.47	0.43	0.00	0.43

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.06	0.05	0.05	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.06	0.05	0.05	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05

3.5. Sewer Main and Storm Drain Site Pipeline Construction 2027 (Private) (2027) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.88	0.74	6.45	8.02	0.02	0.23		0.23	0.21		0.21
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.88	0.74	6.45	8.02	0.02	0.23	0.00	0.23	0.21	0.00	0.21

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.02	0.02	0.02	0.36	0.00	0.00	0.08	0.08	0.00	0.02	0.02
Vendor		0.00	0.00	0.07	0.03	0.00	0.00	0.02	0.02	0.00	0.00	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.03	0.02	0.09	0.39	0.00	0.00	0.10	0.10	0.00	0.02	0.02

3.11. Sewer Main and Storm Drain Site Utility Trenching 2027 (Private) (2027) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.37	0.31	2.80	3.75	0.01	0.07		0.07	0.07		0.07
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.37	0.31	2.80	3.75	0.01	0.07	0.00	0.07	0.07	0.00	0.07

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.04	0.04	0.03	0.60	0.00	0.00	0.13	0.13	0.00	0.03	0.03
Vendor		0.00	0.00	0.07	0.03	0.00	0.00	0.02	0.02	0.00	0.00	0.01
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.04	0.04	0.10	0.63	0.00	0.00	0.15	0.15	0.00	0.04	0.04

3.7. Sewer Main and Storm Drain Site Paving (Private) (2027) - Option 2

Unmitigated Construction On-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Off-Road Equipment		0.77	0.65	5.74	8.20	0.01	0.23		0.23	0.21		0.21
Paving			0.06									
Onsite truck		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.77	0.71	5.74	8.20	0.01	0.23	0.00	0.23	0.21	0.00	0.21

Unmitigated Construction Off-Site

Category	lbs/day	TOG	ROG	NOx	CO	SO_2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T
Worker		0.06	0.05	0.05	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05
Vendor		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.06	0.05	0.05	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05

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Attachment B. Operational Emissions

Health Risk Assessment, Emissions Inventory
Diesel Trucks, Forklifts, and Yard Trucks
Irwindale Gateway Specific Plan - Option 1

Operation: Industrial Warehousing

Year:	2027	Buildout

	hours	days	weeks	
Temporal Profile:	24	7	52	Site Operation

Truck Activity: (1)

HHDT Trucks	550	trips per day	275	trucks per day (round-trip)
HHDT Trucks w/ TRUs	214	trips per day	107	trucks per day (round-trip)
On-site Ingress/Egress Travel Length			2880	m
Idling Duration			30	min
Truck Bays			157	

Running Emissions:	Veh Category	Emission Factor (g/mi) (2)	Emission Factor (g/mi) (3)	**On-site Running** g/s	**Off-site Running** g/s
HHDT Trucks	HHDT	0.01390	0.00665	**7.91E-05**	

	Off-site Roadway Segments	Percent (4)	Length (m)		
1	Arrow Highway East	15%	1160.4		**2.29E-06**
2	Arrow Highway West	6%	1118.6		**8.82E-07**
3	Live Oak Avenue East	30%	764.8		**3.02E-06**
4	Live Oak Avenue, Site Frontage	60%	423.3		**3.34E-06**
5	Live Oak Avenue West	35%	697.5		**3.21E-06**
	TOTAL				

Idling Emissions:	Veh Category	Emission Factor (5) lbs/day	g/hr	Idling Emissions g/s	Idling Emissions g/s/bay
Trucks	HHDT		0.01395	2.22E-05	
Transport Refrigeration Units (TRUs)		2.12E-01		1.11E-03	
TOTAL				1.13E-03	**7.23E-06**

Yard DPM Emissions: (1)	lbs/day	**Yard Emissions g/s**
Forklift Emissions	1.43E+00	7.53E-03
Yard Truck Emissions	1.13E-01	5.95E-04
Total		**8.12E-03**

(1) Truck activity, forklift, yard truck and TRU emissions from DEIR Air Quality Appendix, PlaceWorks, May 2023. Exhaust PM10 emissions used as surrogate for diesel particulate matter (DPM), per South Coast AQMD guidance.

(2) PM10 running emission factors (g/mi) for diesel-fueled trucks obtained from CARB (EMFAC2021) for analysis years 2027 (5 mph).

(3) PM10 running emission factors (g/mi) for diesel-fueled trucks obtained from CARB (EMFAC2021) for analysis years 2027 (25 mph).

(4) Roadway segment percentages from Traffic Impact Analysis (TIA) for the Project, prepared by Iteris, Inc., dated May 1, 2023.

(5) PM10 idling emission factors (g/day) for diesel-fueled trucks obtained from CARB (EMFAC2021) for analysis years 2027.

	Option 1		Unit Emission Rate - Adjustments due to multiple modeled sources
truck area	PAREA3	7027.9	0.10
	PAREA1	64217.1	0.90
		71245	
yard area	PAREA4	4789.6	0.09
	PAREA5	27473.8	0.49
	PAREA6	23675.6	0.42
		55939	

Health Risk Assessment, Emissions Inventory
Diesel Trucks, Forklifts, and Yard Trucks
Irwindale Gateway Specific Plan - Option 2

Operation: Industrial Warehousing

Year:	2027	Buildout

	hours	days	weeks	
Temporal Profile:	24	7	52	Site Operation

Truck Activity: (1)

HHDT Trucks	418	trips per day	209	trucks per day (round-trip)
HHDT Trucks w/ TRUs	230	trips per day	115	trucks per day (round-trip)
On-site Ingress/Egress Travel Length			2880	m
Idling Duration			30	min
Truck Bays			128	

Running Emissions:	Veh Category	Emission Factor (g/mi) (2)	Emission Factor (g/mi) (3)	**On-site Running** g/s	**Off-site Running** g/s
HHDT Trucks	HHDT	0.01390	0.00665	**6.01E-05**	

	Off-site Roadway Segments	Percent (4)	Length (m)	
1	Arrow Highway East	15%	1160.4	**1.74E-06**
2	Arrow Highway West	6%	1118.6	**6.71E-07**
3	Live Oak Avenue East	30%	764.8	**2.29E-06**
4	Live Oak Avenue, Site Frontage	60%	423.3	**2.54E-06**
5	Live Oak Avenue West	35%	697.5	**2.44E-06**
	TOTAL			

Idling Emissions:	Veh Category	Emission Factor (5) lbs/day	g/hr	Idling Emissions g/s	Idling Emissions g/s/bay
Trucks	HHDT		0.01395	1.69E-05	
Transport Refrigeration Units (TRUs)		2.28E-01		1.20E-03	
TOTAL				1.21E-03	**9.47E-06**

Yard DPM Emissions: (1)	lbs/day	**Yard Emissions g/s**
Forklift Emissions	1.00E+00	5.25E-03
Yard Truck Emissions	8.00E-02	4.20E-04
Total		**5.67E-03**

(1) Truck activity, forklift, yard truck and TRU emissions from DEIR Air Quality Appendix, PlaceWorks, May 2023. Exhaust PM10 emissions used as surrogate for diesel particulate matter (DPM), per South Coast AQMD guidance.

(2) PM10 running emission factors (g/mi) for diesel-fueled trucks obtained from CARB (EMFAC2021) for analysis years 2027 (5 mph).

(3) PM10 running emission factors (g/mi) for diesel-fueled trucks obtained from CARB (EMFAC2021) for analysis years 2027 (25 mph).

(4) Roadway segment percentages from Traffic Impact Analysis (TIA) for the Project, prepared by Iteris, Inc., dated May 1, 2023.

(5) PM10 idling emission factors (g/day) for diesel-fueled trucks obtained from CARB (EMFAC2021) for analysis years 2027.

	Option 1		Unit Emission Rate - Adjustments due to multiple modeled sources
truck area	PAREA3	7027.9	0.12
	PAREA7	50046.9	0.88
		57074.8	
yard area	PAREA4	4789.6	0.11
	PAREA5	27473.8	0.63
	PAREA8	11448.7	0.26
		43712.1	

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Attachment C. Air Dispersion Model Output - Construction

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

                                        ***   MODEL SETUP OPTIONS SUMMARY   ***
- -

**Model Is Setup For Calculation of Average CONCentration Values.

  -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for   116 Source(s),
  for Total of   1 Urban Area(s):
  Urban Population =   9830000.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:
        1. Stack-tip Downwash.
        2. Model Accounts for ELEVated Terrain Effects.
        3. Use Calms Processing Routine.
        4. Use Missing Data Processing Routine.
        5. No Exponential Decay.
        6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: OTHER

**Model Calculates PERIOD Averages Only

**This Run Includes: 116 Source(s);   2 Source Group(s); and   198 Receptor(s)

               with: 0 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 115 VOLUME source(s)
                and: 1 AREA type source(s)
                and: 0 LINE source(s)
                and: 0 RLINE/RLINEXT source(s)
                and: 0 OPENPIT source(s)
                and: 0 BUOYANT LINE source(s) with a total of   0 line(s)

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

```
**The AERMET Input Meteorological Data Version Date:  16216

**Output Options Selected:
         Model Outputs Tables of PERIOD Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   182.00 ;  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 =      3.7 MB of RAM.

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

**Detailed Error/Message File:   IRW-04.err
**File for Summary of Results:   IRW-04.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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
L0000001	0	0.86957E-02	409774.1	3775333.0	128.8	4.15	6.71	3.26	YES	HRDOW
L0000002	0	0.86957E-02	409788.3	3775335.9	126.9	4.15	6.71	3.26	YES	HRDOW
L0000003	0	0.86957E-02	409802.4	3775338.7	125.6	4.15	6.71	3.26	YES	HRDOW
L0000004	0	0.86957E-02	409816.6	3775341.5	124.3	4.15	6.71	3.26	YES	HRDOW
L0000005	0	0.86957E-02	409830.7	3775344.3	124.2	4.15	6.71	3.26	YES	HRDOW
L0000006	0	0.86957E-02	409845.1	3775345.0	124.5	4.15	6.71	3.26	YES	HRDOW
L0000007	0	0.86957E-02	409859.5	3775345.4	125.2	4.15	6.71	3.26	YES	HRDOW
L0000008	0	0.86957E-02	409874.0	3775345.9	127.7	4.15	6.71	3.26	YES	HRDOW
L0000009	0	0.86957E-02	409888.4	3775346.3	130.8	4.15	6.71	3.26	YES	HRDOW
L0000010	0	0.86957E-02	409902.8	3775346.7	130.5	4.15	6.71	3.26	YES	HRDOW
L0000011	0	0.86957E-02	409917.2	3775347.2	130.0	4.15	6.71	3.26	YES	HRDOW
L0000012	0	0.86957E-02	409931.6	3775347.6	129.5	4.15	6.71	3.26	YES	HRDOW
L0000013	0	0.86957E-02	409944.3	3775346.4	129.0	4.15	6.71	3.26	YES	HRDOW
L0000014	0	0.86957E-02	409942.9	3775332.1	129.0	4.15	6.71	3.26	YES	HRDOW
L0000015	0	0.86957E-02	409942.3	3775317.7	128.7	4.15	6.71	3.26	YES	HRDOW
L0000016	0	0.86957E-02	409947.7	3775304.6	128.0	4.15	6.71	3.26	YES	HRDOW
L0000017	0	0.86957E-02	409958.2	3775294.9	127.7	4.15	6.71	3.26	YES	HRDOW
L0000018	0	0.86957E-02	409969.2	3775285.5	127.7	4.15	6.71	3.26	YES	HRDOW
L0000019	0	0.86957E-02	409981.3	3775277.7	127.8	4.15	6.71	3.26	YES	HRDOW
L0000020	0	0.86957E-02	409993.7	3775270.3	127.8	4.15	6.71	3.26	YES	HRDOW
L0000021	0	0.86957E-02	410003.8	3775260.0	128.3	4.15	6.71	3.26	YES	HRDOW
L0000022	0	0.86957E-02	410013.9	3775249.7	128.5	4.15	6.71	3.26	YES	HRDOW
L0000023	0	0.86957E-02	410024.1	3775239.4	127.5	4.15	6.71	3.26	YES	HRDOW
L0000024	0	0.86957E-02	410034.2	3775229.1	127.7	4.15	6.71	3.26	YES	HRDOW
L0000025	0	0.86957E-02	410044.3	3775218.9	127.2	4.15	6.71	3.26	YES	HRDOW
L0000026	0	0.86957E-02	410054.4	3775208.6	126.6	4.15	6.71	3.26	YES	HRDOW
L0000027	0	0.86957E-02	410064.5	3775198.2	127.4	4.15	6.71	3.26	YES	HRDOW
L0000028	0	0.86957E-02	410074.3	3775187.7	126.9	4.15	6.71	3.26	YES	HRDOW
L0000029	0	0.86957E-02	410084.2	3775177.1	126.7	4.15	6.71	3.26	YES	HRDOW
L0000030	0	0.86957E-02	410094.1	3775166.6	127.2	4.15	6.71	3.26	YES	HRDOW
L0000031	0	0.86957E-02	410103.9	3775156.1	126.8	4.15	6.71	3.26	YES	HRDOW
L0000032	0	0.86957E-02	410113.8	3775145.6	127.0	4.15	6.71	3.26	YES	HRDOW
L0000033	0	0.86957E-02	410123.7	3775135.0	127.7	4.15	6.71	3.26	YES	HRDOW
L0000034	0	0.86957E-02	410133.5	3775124.5	127.9	4.15	6.71	3.26	YES	HRDOW
L0000035	0	0.86957E-02	410143.4	3775114.0	128.0	4.15	6.71	3.26	YES	HRDOW
L0000036	0	0.86957E-02	410153.2	3775103.4	128.5	4.15	6.71	3.26	YES	HRDOW
L0000037	0	0.86957E-02	410163.1	3775092.9	128.9	4.15	6.71	3.26	YES	HRDOW
L0000038	0	0.86957E-02	410173.0	3775082.4	128.9	4.15	6.71	3.26	YES	HRDOW

L0000039	0	0.86957E-02	410182.8	3775071.8	129.5	4.15	6.71	3.26	YES	HRDOW	
L0000040	0	0.86957E-02	410192.7	3775061.3	129.7	4.15	6.71	3.26	YES	HRDOW	

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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
L0000041	0	0.86957E-02	410202.6	3775050.8	129.2	4.15	6.71	3.26	YES	HRDOW
L0000042	0	0.86957E-02	410212.1	3775040.0	128.4	4.15	6.71	3.26	YES	HRDOW
L0000043	0	0.86957E-02	410219.7	3775027.7	128.0	4.15	6.71	3.26	YES	HRDOW
L0000044	0	0.86957E-02	410223.0	3775013.7	127.9	4.15	6.71	3.26	YES	HRDOW
L0000045	0	0.86957E-02	410226.1	3774999.6	127.8	4.15	6.71	3.26	YES	HRDOW
L0000046	0	0.86957E-02	410229.3	3774985.5	127.8	4.15	6.71	3.26	YES	HRDOW
L0000047	0	0.86957E-02	410228.3	3774971.3	127.6	4.15	6.71	3.26	YES	HRDOW
L0000048	0	0.86957E-02	410225.6	3774957.2	127.4	4.15	6.71	3.26	YES	HRDOW
L0000049	0	0.86957E-02	410220.2	3774943.8	127.2	4.15	6.71	3.26	YES	HRDOW
L0000050	0	0.86957E-02	410213.9	3774930.9	127.1	4.15	6.71	3.26	YES	HRDOW
L0000051	0	0.86957E-02	410205.6	3774919.1	127.0	4.15	6.71	3.26	YES	HRDOW
L0000052	0	0.86957E-02	410197.8	3774907.0	126.8	4.15	6.71	3.26	YES	HRDOW
L0000053	0	0.86957E-02	410190.8	3774894.3	126.6	4.15	6.71	3.26	YES	HRDOW
L0000054	0	0.86957E-02	410185.1	3774881.1	126.6	4.15	6.71	3.26	YES	HRDOW
L0000055	0	0.86957E-02	410179.4	3774867.9	126.6	4.15	6.71	3.26	YES	HRDOW
L0000056	0	0.86957E-02	410173.6	3774854.6	126.4	4.15	6.71	3.26	YES	HRDOW
L0000057	0	0.86957E-02	410167.4	3774841.7	126.1	4.15	6.71	3.26	YES	HRDOW
L0000058	0	0.86957E-02	410158.3	3774830.5	125.8	4.15	6.71	3.26	YES	HRDOW
L0000059	0	0.86957E-02	410149.2	3774819.3	125.5	4.15	6.71	3.26	YES	HRDOW
L0000060	0	0.86957E-02	410140.1	3774808.1	125.2	4.15	6.71	3.26	YES	HRDOW
L0000061	0	0.86957E-02	410131.0	3774796.9	125.2	4.15	6.71	3.26	YES	HRDOW
L0000062	0	0.86957E-02	410121.9	3774785.7	125.2	4.15	6.71	3.26	YES	HRDOW
L0000063	0	0.86957E-02	410112.8	3774774.5	125.0	4.15	6.71	3.26	YES	HRDOW
L0000064	0	0.86957E-02	410103.7	3774763.3	125.0	4.15	6.71	3.26	YES	HRDOW
L0000065	0	0.86957E-02	410094.6	3774752.1	125.0	4.15	6.71	3.26	YES	HRDOW
L0000066	0	0.86957E-02	410085.5	3774740.9	124.8	4.15	6.71	3.26	YES	HRDOW
L0000067	0	0.86957E-02	410076.4	3774729.7	124.8	4.15	6.71	3.26	YES	HRDOW
L0000068	0	0.86957E-02	410067.3	3774718.5	124.7	4.15	6.71	3.26	YES	HRDOW
L0000069	0	0.86957E-02	410058.1	3774707.3	124.6	4.15	6.71	3.26	YES	HRDOW
L0000070	0	0.86957E-02	410048.9	3774696.3	124.6	4.15	6.71	3.26	YES	HRDOW
L0000071	0	0.86957E-02	410038.5	3774686.3	124.5	4.15	6.71	3.26	YES	HRDOW
L0000072	0	0.86957E-02	410028.1	3774676.2	124.5	4.15	6.71	3.26	YES	HRDOW
L0000073	0	0.86957E-02	410017.8	3774666.2	124.4	4.15	6.71	3.26	YES	HRDOW
L0000074	0	0.86957E-02	410006.9	3774656.7	124.3	4.15	6.71	3.26	YES	HRDOW
L0000075	0	0.86957E-02	409995.9	3774647.4	123.8	4.15	6.71	3.26	YES	HRDOW
L0000076	0	0.86957E-02	409984.8	3774638.1	123.2	4.15	6.71	3.26	YES	HRDOW

L0000077	0	0.86957E-02	409973.8	3774628.9	123.6	4.15	6.71	3.26	YES	HRDOW
L0000078	0	0.86957E-02	409961.8	3774620.8	123.4	4.15	6.71	3.26	YES	HRDOW
L0000079	0	0.86957E-02	409949.8	3774612.8	123.0	4.15	6.71	3.26	YES	HRDOW
L0000080	0	0.86957E-02	409937.8	3774604.8	123.2	4.15	6.71	3.26	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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
L0000081	0	0.86957E-02	409925.8	3774596.8	122.9	4.15	6.71	3.26	YES	HRDOW
L0000082	0	0.86957E-02	409913.8	3774588.7	122.4	4.15	6.71	3.26	YES	HRDOW
L0000083	0	0.86957E-02	409901.8	3774580.7	122.2	4.15	6.71	3.26	YES	HRDOW
L0000084	0	0.86957E-02	409889.1	3774573.9	122.5	4.15	6.71	3.26	YES	HRDOW
L0000085	0	0.86957E-02	409876.3	3774567.2	122.5	4.15	6.71	3.26	YES	HRDOW
L0000086	0	0.86957E-02	409863.5	3774560.5	122.1	4.15	6.71	3.26	YES	HRDOW
L0000087	0	0.86957E-02	409850.6	3774554.2	121.6	4.15	6.71	3.26	YES	HRDOW
L0000088	0	0.86957E-02	409837.0	3774554.4	121.4	4.15	6.71	3.26	YES	HRDOW
L0000089	0	0.86957E-02	409823.9	3774560.3	121.5	4.15	6.71	3.26	YES	HRDOW
L0000090	0	0.86957E-02	409810.7	3774566.2	121.3	4.15	6.71	3.26	YES	HRDOW
L0000091	0	0.86957E-02	409797.5	3774572.1	121.0	4.15	6.71	3.26	YES	HRDOW
L0000092	0	0.86957E-02	409784.4	3774578.0	120.8	4.15	6.71	3.26	YES	HRDOW
L0000093	0	0.86957E-02	409771.2	3774583.9	120.8	4.15	6.71	3.26	YES	HRDOW
L0000094	0	0.86957E-02	409758.0	3774589.8	121.0	4.15	6.71	3.26	YES	HRDOW
L0000095	0	0.86957E-02	409744.8	3774595.7	121.1	4.15	6.71	3.26	YES	HRDOW
L0000096	0	0.86957E-02	409731.7	3774601.6	120.9	4.15	6.71	3.26	YES	HRDOW
L0000097	0	0.86957E-02	409718.5	3774607.5	120.6	4.15	6.71	3.26	YES	HRDOW
L0000098	0	0.86957E-02	409705.3	3774613.4	120.5	4.15	6.71	3.26	YES	HRDOW
L0000099	0	0.86957E-02	409692.2	3774619.3	120.6	4.15	6.71	3.26	YES	HRDOW
L0000100	0	0.86957E-02	409679.0	3774625.2	120.7	4.15	6.71	3.26	YES	HRDOW
L0000101	0	0.86957E-02	409665.8	3774631.1	120.6	4.15	6.71	3.26	YES	HRDOW
L0000102	0	0.86957E-02	409652.6	3774637.0	120.5	4.15	6.71	3.26	YES	HRDOW
L0000103	0	0.86957E-02	409639.5	3774642.9	120.5	4.15	6.71	3.26	YES	HRDOW
L0000104	0	0.86957E-02	409626.3	3774648.8	120.4	4.15	6.71	3.26	YES	HRDOW
L0000105	0	0.86957E-02	409613.1	3774654.7	120.4	4.15	6.71	3.26	YES	HRDOW
L0000106	0	0.86957E-02	409600.0	3774660.5	120.5	4.15	6.71	3.26	YES	HRDOW
L0000107	0	0.86957E-02	409586.8	3774666.4	120.6	4.15	6.71	3.26	YES	HRDOW
L0000108	0	0.86957E-02	409573.6	3774672.3	120.4	4.15	6.71	3.26	YES	HRDOW
L0000109	0	0.86957E-02	409560.4	3774678.2	116.5	4.15	6.71	3.26	YES	HRDOW
L0000110	0	0.86957E-02	409547.3	3774684.1	112.9	4.15	6.71	3.26	YES	HRDOW
L0000111	0	0.86957E-02	409534.1	3774690.0	112.9	4.15	6.71	3.26	YES	HRDOW
L0000112	0	0.86957E-02	409520.9	3774695.9	113.0	4.15	6.71	3.26	YES	HRDOW
L0000113	0	0.86957E-02	409507.8	3774701.8	113.4	4.15	6.71	3.26	YES	HRDOW
L0000114	0	0.86957E-02	409494.6	3774707.7	114.9	4.15	6.71	3.26	YES	HRDOW
L0000115	0	0.86957E-02	409481.4	3774713.6	118.5	4.15	6.71	3.26	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
1	0	0.38869E-05	409917.3	3775329.8	129.8	4.15	32	1.93	YES	HRDOW

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ONSITE	1 ,
OFFSITE	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 , L0000040 ,
	L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 ,
	L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,
	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
	L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
	L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 , L0000088 ,
	L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 ,
	L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 ,
	L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 ,
	L0000113 , L0000114 , L0000115 ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	9830000.	1 , L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 ,
		L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 ,
		L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 ,
		L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 ,
		L0000032 , L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 ,
		L0000040 , L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 ,
		L0000048 , L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 ,
		L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 ,
		L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 ,
		L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 ,
		L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 , L0000087 ,
		L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 ,
		L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 ,
		L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 ,
		L0000112 , L0000113 , L0000114 , L0000115 ,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = 1 ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = ALL VOLUME SOURCES ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.1000E+01
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.0000E+00	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

```
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1
```

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

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

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

Surface file: met data - 182 m\AZUS_V9_ADJU\AZUS_v9.SFC Met Version: 16216
Profile file: met data - 182 m\AZUS_V9_ADJU\AZUS_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

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
12	01	01	1	01	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	20.	9.1	293.1	5.5
12	01	01	1	02	-32.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.36	1.68	1.00	2.70	99.	9.1	293.1	5.5
12	01	01	1	03	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	14.	9.1	292.0	5.5
12	01	01	1	04	-32.6	0.342	-9.000	-9.000	-999.	480.	128.9	0.36	1.68	1.00	2.70	10.	9.1	292.5	5.5
12	01	01	1	05	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	12.	9.1	292.5	5.5
12	01	01	1	06	-21.6	0.224	-9.000	-9.000	-999.	256.	55.2	0.36	1.68	1.00	1.80	118.	9.1	289.2	5.5
12	01	01	1	07	-26.6	0.277	-9.000	-9.000	-999.	349.	84.1	0.36	1.68	1.00	2.20	64.	9.1	290.9	5.5
12	01	01	1	08	-1.3	0.062	-9.000	-9.000	-999.	124.	16.5	0.36	1.68	0.55	0.40	36.	9.1	290.9	5.5
12	01	01	1	09	38.1	0.160	0.348	0.008	39.	153.	-9.5	0.36	1.68	0.32	0.90	124.	9.1	293.8	5.5
12	01	01	1	10	99.5	0.179	0.693	0.007	119.	181.	-5.1	0.36	1.68	0.25	0.90	21.	9.1	298.1	5.5
12	01	01	1	11	142.6	0.494	1.086	0.005	321.	832.	-75.2	0.36	1.68	0.22	3.60	141.	9.1	299.9	5.5
12	01	01	1	12	162.8	0.442	1.385	0.005	582.	709.	-47.3	0.36	1.68	0.21	3.10	122.	9.1	299.9	5.5
12	01	01	1	13	164.4	0.298	1.634	0.005	946.	405.	-14.3	0.36	1.68	0.21	1.80	114.	9.1	300.9	5.5
12	01	01	1	14	142.7	0.293	1.718	0.005	1265.	382.	-15.8	0.36	1.68	0.22	1.80	93.	9.1	302.5	5.5
12	01	01	1	15	96.7	0.283	1.575	0.005	1438.	361.	-20.7	0.36	1.68	0.26	1.80	110.	9.1	303.8	5.5
12	01	01	1	16	41.5	0.207	1.201	0.005	1485.	228.	-18.9	0.36	1.68	0.35	1.30	113.	9.1	304.2	5.5
12	01	01	1	17	-37.8	0.464	-9.000	-9.000	-999.	757.	236.3	0.36	1.68	0.62	3.60	251.	9.1	300.9	5.5
12	01	01	1	18	-26.1	0.277	-9.000	-9.000	-999.	379.	84.2	0.36	1.68	1.00	2.20	8.	9.1	296.4	5.5
12	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.36	1.68	1.00	999.00	999.	-9.0	295.9	5.5
12	01	01	1	20	-5.7	0.107	-9.000	-9.000	-999.	84.	19.3	0.36	1.68	1.00	0.90	35.	9.1	295.4	5.5
12	01	01	1	21	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	213.	9.1	293.8	5.5
12	01	01	1	22	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	52.	9.1	293.8	5.5
12	01	01	1	23	-26.3	0.277	-9.000	-9.000	-999.	349.	84.2	0.36	1.68	1.00	2.20	58.	9.1	293.8	5.5
12	01	01	1	24	-21.4	0.224	-9.000	-9.000	-999.	256.	55.3	0.36	1.68	1.00	1.80	83.	9.1	292.5	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	5.5	0	-999.	-99.00	293.2	99.0	-99.00	-99.00
12	01	01	01	9.1	1	20.	1.80	-999.0	99.0	-99.00	-99.00

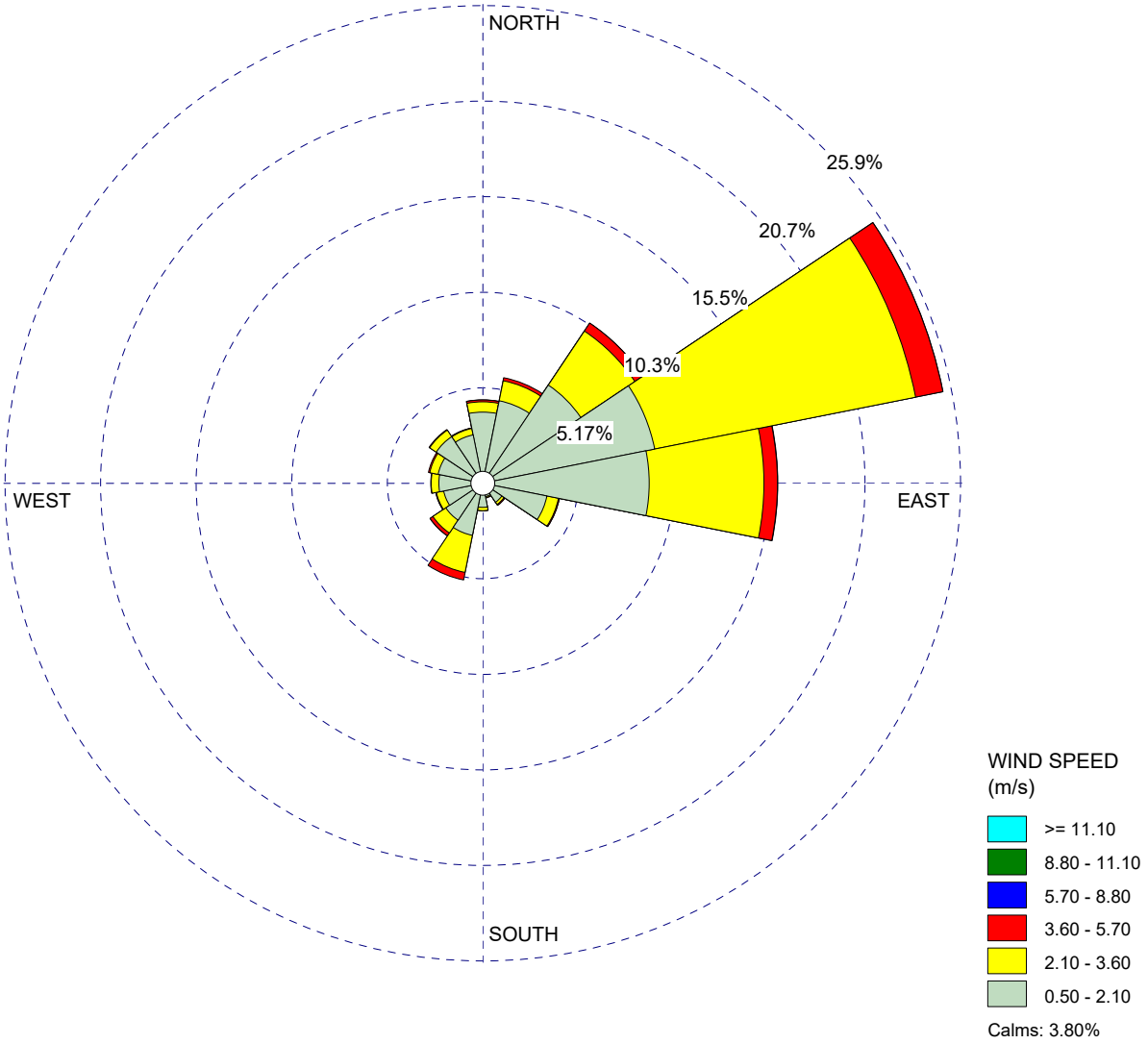
F indicates top of profile (=1) or below (=0)

WIND ROSE PLOT:

Azusa Monitoring Station
2012-2016

DISPLAY:

Wind Speed
Flow Vector (blowing to)



COMMENTS: Construction Hours 7AM-4PM	DATA PERIOD: **Start Date: 1/1/2012 - 07:00** **End Date: 12/31/2016 - 16:00**	COMPANY NAME: **PlaceWorks**	
		MODELER: **SB**	
	CALM WINDS: **3.80%**	TOTAL COUNT: **17802 hrs.**	
	AVG. WIND SPEED: **1.79 m/s**	DATE: **5/31/2023**	PROJECT NO.: **IRW-04**

WRPLOT View - Lakes Environmental Software

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.01751	410247.56	3773999.13	0.01681
410267.56	3773999.13	0.01618	410287.56	3773999.13	0.01563
410327.56	3773999.13	0.01472	410347.56	3773999.13	0.01436
410367.56	3773999.13	0.01405	410387.56	3773999.13	0.01379
410407.56	3773999.13	0.01357	410427.56	3773999.13	0.01339
410447.56	3773999.13	0.01324	410467.56	3773999.13	0.01312
410487.56	3773999.13	0.01303	410527.56	3773999.13	0.01292
410547.56	3773999.13	0.01290	410567.56	3773999.13	0.01288
410267.56	3774019.13	0.01687	410287.56	3774019.13	0.01630
410327.56	3774019.13	0.01537	410347.56	3774019.13	0.01500
410367.56	3774019.13	0.01468	410387.56	3774019.13	0.01442
410407.56	3774019.13	0.01420	410427.56	3774019.13	0.01401
410447.56	3774019.13	0.01386	410467.56	3774019.13	0.01375
410487.56	3774019.13	0.01366	410529.05	3774026.09	0.01377
410549.05	3774026.09	0.01374	410569.05	3774026.09	0.01373
410287.56	3774039.13	0.01704	410307.56	3774039.13	0.01653
410367.56	3774039.13	0.01538	410387.56	3774039.13	0.01510
410407.56	3774039.13	0.01488	410427.56	3774039.13	0.01469
410447.56	3774039.13	0.01454	410467.56	3774039.13	0.01442
410487.56	3774039.13	0.01433	410307.56	3774059.13	0.01732
410327.56	3774059.13	0.01686	410347.56	3774059.13	0.01647
410387.56	3774059.13	0.01585	410407.56	3774059.13	0.01562
410447.56	3774059.13	0.01528	410467.56	3774059.13	0.01516
410487.56	3774059.13	0.01506	410327.56	3774079.13	0.01771
410347.56	3774079.13	0.01731	410367.56	3774079.13	0.01696
410407.56	3774079.13	0.01644	410447.56	3774079.13	0.01608
410467.56	3774079.13	0.01596	410487.56	3774079.13	0.01586
410530.05	3774073.66	0.01551	410550.05	3774073.66	0.01547
410570.05	3774073.66	0.01546	410367.56	3774099.13	0.01788
410387.56	3774099.13	0.01758	410407.56	3774099.13	0.01733
410447.56	3774099.13	0.01697	410467.56	3774099.13	0.01684
410487.56	3774099.13	0.01674	410507.56	3774099.13	0.01666
410530.05	3774093.66	0.01635	410550.05	3774093.66	0.01631
410570.05	3774093.66	0.01629	410387.56	3774119.13	0.01858
410407.56	3774119.13	0.01832	410427.56	3774119.13	0.01811
410467.56	3774119.13	0.01780	410487.56	3774119.13	0.01769
410507.56	3774119.13	0.01761	410527.56	3774119.13	0.01755

410547.56	3774119.13	0.01750	410567.56	3774119.13	0.01746
410427.56	3774139.13	0.01919	410447.56	3774139.13	0.01901
410467.56	3774139.13	0.01886	410507.56	3774139.13	0.01865

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	0.01858		410547.56	3774139.13	0.01852
410567.56	3774139.13	0.01848		410447.56	3774159.13	0.02019
410467.56	3774159.13	0.02003		410487.56	3774159.13	0.01990
410487.56	3774179.13	0.02118		410507.56	3774179.13	0.02106
410527.56	3774179.13	0.02096		410547.56	3774179.13	0.02087
410567.56	3774179.13	0.02080		410587.56	3774179.13	0.02073
410507.56	3774199.13	0.02244	MEIR	410527.56	3774199.13	0.02232
410547.56	3774199.13	0.02222		410567.56	3774199.13	0.02212
410587.56	3774199.13	0.02204		410220.28	3775328.17	0.51649
410240.28	3775328.17	0.48982		410260.28	3775328.17	0.46511
410200.28	3775348.17	0.48197		410220.28	3775348.17	0.45970
410240.28	3775348.17	0.43870		410260.28	3775348.17	0.41910
410100.28	3775368.17	0.52483		410120.28	3775368.17	0.50295
410140.28	3775368.17	0.48187		410160.28	3775368.17	0.46219
410180.28	3775368.17	0.44353		410200.28	3775368.17	0.42573
410220.28	3775368.17	0.40883		410240.28	3775368.17	0.39272
410260.28	3775368.17	0.37747		410020.28	3775388.17	0.47717
410040.28	3775388.17	0.47333		410060.28	3775388.17	0.46476
410080.28	3775388.17	0.45363		410100.28	3775388.17	0.44128
410120.28	3775388.17	0.42821		410140.28	3775388.17	0.41487
410160.28	3775388.17	0.40181		410180.28	3775388.17	0.38898
410200.28	3775388.17	0.37622		410220.28	3775388.17	0.36371
410240.28	3775388.17	0.35160		410000.28	3775408.17	0.37066
410020.28	3775408.17	0.37958		410040.28	3775408.17	0.38340
410060.28	3775408.17	0.38258		410080.28	3775408.17	0.37884
410100.28	3775408.17	0.37318		410120.28	3775408.17	0.36613
410140.28	3775408.17	0.35850		410160.28	3775408.17	0.35025
410180.28	3775408.17	0.34162		410200.28	3775408.17	0.33282
410220.28	3775408.17	0.32380		410240.28	3775408.17	0.31484
410000.28	3775428.17	0.30031		410020.28	3775428.17	0.30991
410040.28	3775428.17	0.31641		410060.28	3775428.17	0.31920
410080.28	3775428.17	0.31949		410100.28	3775428.17	0.31798
410120.28	3775428.17	0.31493		410140.28	3775428.17	0.31098
410160.28	3775428.17	0.30616		410180.28	3775428.17	0.30071
410200.28	3775428.17	0.29487		410220.28	3775428.17	0.28857
410240.28	3775428.17	0.28123		410020.28	3775448.17	0.25900
410040.28	3775448.17	0.26583		410060.28	3775448.17	0.27000

410080.28	3775448.17	0.27231	410100.28	3775448.17	0.27316
410120.28	3775448.17	0.27256	410140.28	3775448.17	0.27118
410160.28	3775448.17	0.26859	410180.28	3775448.17	0.26533

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITE ***
INCLUDING SOURCE(S): 1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	0.26175	410220.28	3775448.17	0.25756
410040.28	3775468.17	0.22678	410060.28	3775468.17	0.23136
410080.28	3775468.17	0.23460	410100.28	3775468.17	0.23662
410120.28	3775468.17	0.23748	410140.28	3775468.17	0.23755
410160.28	3775468.17	0.23664	410180.28	3775468.17	0.23510
410200.28	3775468.17	0.23298	410220.28	3775468.17	0.22910
410060.28	3775488.17	0.20082	410080.28	3775488.17	0.20421
410100.28	3775488.17	0.20670	410120.28	3775488.17	0.20841
410140.28	3775488.17	0.20755	410160.28	3775488.17	0.20683
410180.28	3775488.17	0.20691	410200.28	3775488.17	0.20731
410220.28	3775488.17	0.20411	410080.28	3775508.17	0.17955
410100.28	3775508.17	0.18090	410120.28	3775508.17	0.18351
410140.28	3775508.17	0.18133	410160.28	3775508.17	0.18110
410180.28	3775508.17	0.18253	410200.28	3775508.17	0.18489
410220.28	3775508.17	0.18277	410120.28	3775528.17	0.16330
410140.28	3775528.17	0.16414	410160.28	3775528.17	0.16488
410180.28	3775528.17	0.16589	410200.28	3775528.17	0.16685
410140.28	3775548.17	0.14700	410160.28	3775548.17	0.14822
410180.28	3775548.17	0.14908	410260.01	3775389.35	0.33720

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.05151	410247.56	3773999.13	0.05063
410267.56	3773999.13	0.04975	410287.56	3773999.13	0.04888
410327.56	3773999.13	0.04714	410347.56	3773999.13	0.04629
410367.56	3773999.13	0.04546	410387.56	3773999.13	0.04463
410407.56	3773999.13	0.04381	410427.56	3773999.13	0.04301
410447.56	3773999.13	0.04222	410467.56	3773999.13	0.04145
410487.56	3773999.13	0.04069	410527.56	3773999.13	0.03921
410547.56	3773999.13	0.03849	410567.56	3773999.13	0.03779
410267.56	3774019.13	0.05176	410287.56	3774019.13	0.05081
410327.56	3774019.13	0.04894	410347.56	3774019.13	0.04802
410367.56	3774019.13	0.04712	410387.56	3774019.13	0.04623
410407.56	3774019.13	0.04532	410427.56	3774019.13	0.04444
410447.56	3774019.13	0.04360	410467.56	3774019.13	0.04278
410487.56	3774019.13	0.04198	410529.05	3774026.09	0.04080
410549.05	3774026.09	0.04001	410569.05	3774026.09	0.03926
410287.56	3774039.13	0.05290	410307.56	3774039.13	0.05187
410367.56	3774039.13	0.04889	410387.56	3774039.13	0.04793
410407.56	3774039.13	0.04695	410427.56	3774039.13	0.04601
410447.56	3774039.13	0.04510	410467.56	3774039.13	0.04422
410487.56	3774039.13	0.04336	410307.56	3774059.13	0.05401
410327.56	3774059.13	0.05292	410347.56	3774059.13	0.05184
410387.56	3774059.13	0.04973	410407.56	3774059.13	0.04870
410447.56	3774059.13	0.04671	410467.56	3774059.13	0.04574
410487.56	3774059.13	0.04482	410327.56	3774079.13	0.05512
410347.56	3774079.13	0.05394	410367.56	3774079.13	0.05279
410407.56	3774079.13	0.05056	410447.56	3774079.13	0.04840
410467.56	3774079.13	0.04736	410487.56	3774079.13	0.04637
410530.05	3774073.66	0.04396	410550.05	3774073.66	0.04303
410570.05	3774073.66	0.04215	410367.56	3774099.13	0.05495
410387.56	3774099.13	0.05371	410407.56	3774099.13	0.05253
410447.56	3774099.13	0.05021	410467.56	3774099.13	0.04909
410487.56	3774099.13	0.04801	410507.56	3774099.13	0.04697
410530.05	3774093.66	0.04542	410550.05	3774093.66	0.04444
410570.05	3774093.66	0.04350	410387.56	3774119.13	0.05589

410407.56	3774119.13	0.05460	410427.56	3774119.13	0.05335
410467.56	3774119.13	0.05093	410487.56	3774119.13	0.04976
410507.56	3774119.13	0.04862	410527.56	3774119.13	0.04753
410547.56	3774119.13	0.04648	410567.56	3774119.13	0.04545
410427.56	3774139.13	0.05549	410447.56	3774139.13	0.05416
410467.56	3774139.13	0.05286	410507.56	3774139.13	0.05041

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	0.04923		410547.56	3774139.13	0.04809
410567.56	3774139.13	0.04699		410447.56	3774159.13	0.05633
410467.56	3774159.13	0.05494		410487.56	3774159.13	0.05360
410487.56	3774179.13	0.05569		410507.56	3774179.13	0.05429
410527.56	3774179.13	0.05294		410547.56	3774179.13	0.05163
410567.56	3774179.13	0.05037		410587.56	3774179.13	0.04917
410507.56	3774199.13	0.05645	MEIR	410527.56	3774199.13	0.05498
410547.56	3774199.13	0.05357		410567.56	3774199.13	0.05220
410587.56	3774199.13	0.05092		410220.28	3775328.17	0.54401
410240.28	3775328.17	0.49995		410260.28	3775328.17	0.46116
410200.28	3775348.17	0.54199		410220.28	3775348.17	0.49854
410240.28	3775348.17	0.46020		410260.28	3775348.17	0.42627
410100.28	3775368.17	0.79853		410120.28	3775368.17	0.71491
410140.28	3775368.17	0.64572		410160.28	3775368.17	0.58748
410180.28	3775368.17	0.53780		410200.28	3775368.17	0.49476
410220.28	3775368.17	0.45731		410240.28	3775368.17	0.42416
410260.28	3775368.17	0.39440		410020.28	3775388.17	1.19196
410040.28	3775388.17	1.02001		410060.28	3775388.17	0.88879
410080.28	3775388.17	0.78617		410100.28	3775388.17	0.70397
410120.28	3775388.17	0.63594		410140.28	3775388.17	0.57886
410160.28	3775388.17	0.53044		410180.28	3775388.17	0.48867
410200.28	3775388.17	0.45216		410220.28	3775388.17	0.41989
410240.28	3775388.17	0.39119		410000.28	3775408.17	1.11804
410020.28	3775408.17	0.97316		410040.28	3775408.17	0.85738
410060.28	3775408.17	0.76233		410080.28	3775408.17	0.68450
410100.28	3775408.17	0.61991		410120.28	3775408.17	0.56524
410140.28	3775408.17	0.51895		410160.28	3775408.17	0.47899
410180.28	3775408.17	0.44415		410200.28	3775408.17	0.41336
410220.28	3775408.17	0.38575		410240.28	3775408.17	0.36088
410000.28	3775428.17	0.88110		410020.28	3775428.17	0.79501
410040.28	3775428.17	0.71974		410060.28	3775428.17	0.65286
410080.28	3775428.17	0.59496		410100.28	3775428.17	0.54529
410120.28	3775428.17	0.50219		410140.28	3775428.17	0.46531
410160.28	3775428.17	0.43230		410180.28	3775428.17	0.40325

410200.28	3775428.17	0.37775	410220.28	3775428.17	0.35436
410240.28	3775428.17	0.33243	410020.28	3775448.17	0.65287
410040.28	3775448.17	0.60488	410060.28	3775448.17	0.55873
410080.28	3775448.17	0.51659	410100.28	3775448.17	0.47950
410120.28	3775448.17	0.44598	410140.28	3775448.17	0.41714
410160.28	3775448.17	0.38991	410180.28	3775448.17	0.36573

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: OFFSITE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	0.34492	410220.28	3775448.17	0.32509
410040.28	3775468.17	0.50926	410060.28	3775468.17	0.47811
410080.28	3775468.17	0.44865	410100.28	3775468.17	0.42108
410120.28	3775468.17	0.39565	410140.28	3775468.17	0.37304
410160.28	3775468.17	0.35173	410180.28	3775468.17	0.33217
410200.28	3775468.17	0.31433	410220.28	3775468.17	0.29713
410060.28	3775488.17	0.41064	410080.28	3775488.17	0.38964
410100.28	3775488.17	0.36916	410120.28	3775488.17	0.35054
410140.28	3775488.17	0.33185	410160.28	3775488.17	0.31503
410180.28	3775488.17	0.29980	410200.28	3775488.17	0.28597
410220.28	3775488.17	0.27167	410080.28	3775508.17	0.33899
410100.28	3775508.17	0.32364	410120.28	3775508.17	0.31052
410140.28	3775508.17	0.29438	410160.28	3775508.17	0.27962
410180.28	3775508.17	0.26951	410200.28	3775508.17	0.26014
410220.28	3775508.17	0.24804	410120.28	3775528.17	0.27610
410140.28	3775528.17	0.26570	410160.28	3775528.17	0.25566
410180.28	3775528.17	0.24628	410200.28	3775528.17	0.23732
410140.28	3775548.17	0.23812	410160.28	3775548.17	0.23063
410180.28	3775548.17	0.22313	410260.01	3775389.35	0.36394

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
			Maximum Sports Park Receptor		
ONSITE	1ST HIGHEST VALUE IS	0.52483 AT	(410100.28, 3775368.17, 128.71, 1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.51649 AT	(410220.28, 3775328.17, 129.20, 1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.50295 AT	(410120.28, 3775368.17, 128.94, 1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.48982 AT	(410240.28, 3775328.17, 129.32, 1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.48197 AT	(410200.28, 3775348.17, 129.36, 1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.48187 AT	(410140.28, 3775368.17, 129.38, 1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.47717 AT	(410020.28, 3775388.17, 127.92, 1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.47333 AT	(410040.28, 3775388.17, 127.32, 1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.46511 AT	(410260.28, 3775328.17, 129.60, 1648.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.46476 AT	(410060.28, 3775388.17, 128.06, 1648.19, 0.00)	DC	
OFFSITE	1ST HIGHEST VALUE IS	1.19196 AT	(410020.28, 3775388.17, 127.92, 1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	1.11804 AT	(410000.28, 3775408.17, 127.99, 1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	1.02001 AT	(410040.28, 3775388.17, 127.32, 1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.97316 AT	(410020.28, 3775408.17, 128.19, 1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.88879 AT	(410060.28, 3775388.17, 128.06, 1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.88110 AT	(410000.28, 3775428.17, 127.98, 1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.85738 AT	(410040.28, 3775408.17, 127.52, 1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.79853 AT	(410100.28, 3775368.17, 128.71, 1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.79501 AT	(410020.28, 3775428.17, 128.23, 1648.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.78617 AT	(410080.28, 3775388.17, 128.66, 1648.19, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   1684 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   75 Calm Hours Identified

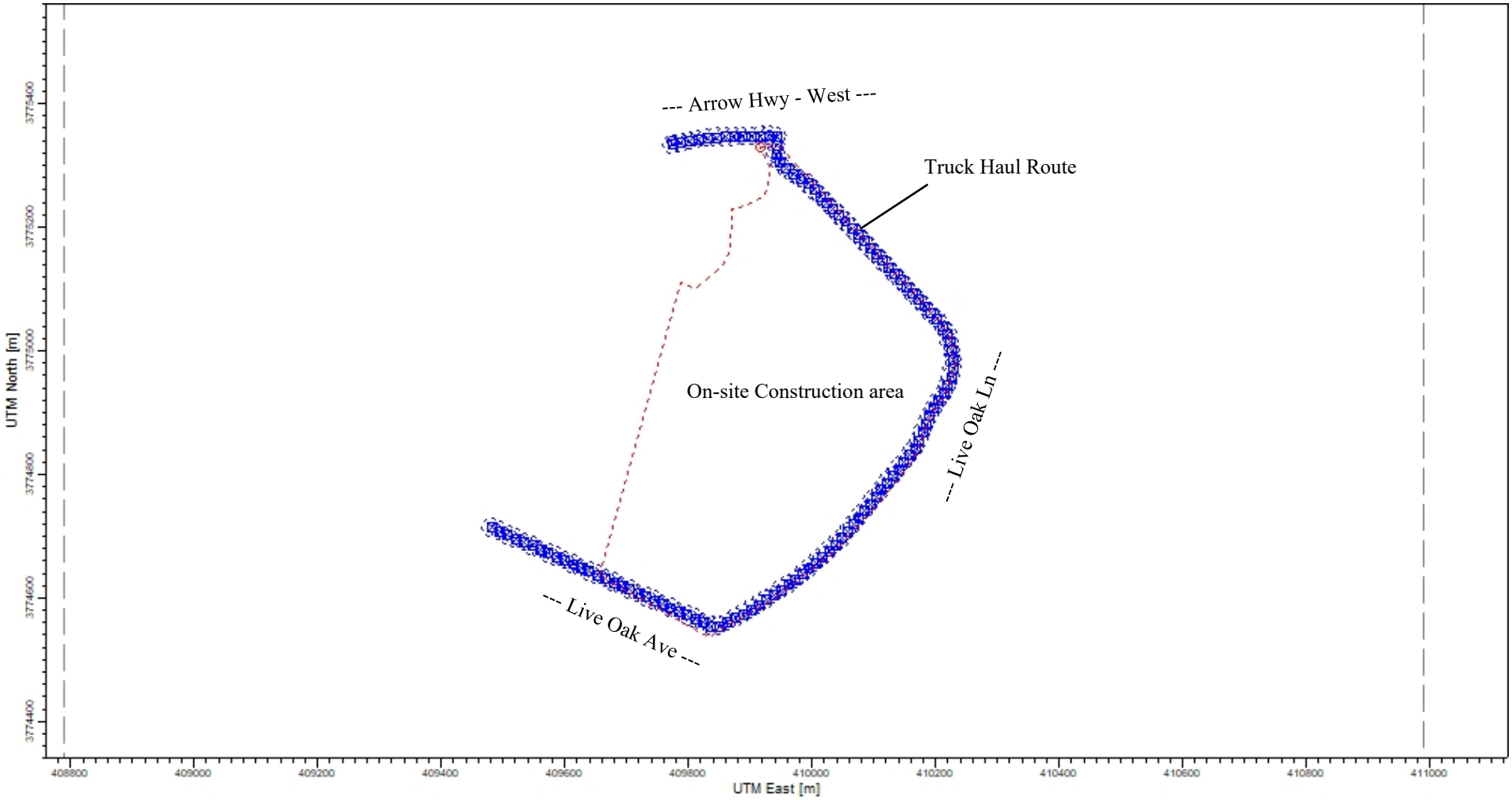
A Total of   1609 Missing Hours Identified (3.67 Percent)

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

   ********   WARNING MESSAGES   ********
ME W186   1775   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   1775   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

Irwindale Gateway Specific Plan - Construction
Irwindale, CA
Sources:
On-site Sources: Off-road Equipment
Off-site Sources: Truck/Vendor trips along roadways to freeway on/offramps



- Release height of 4.15 m and initial vertical dimension (δy) of 1.93 m is based upon California Air Resources Board's "Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles" (2000).

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Attachment D. Air Dispersion Model Output - Operation

*** 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   377 Source(s),
       for Total of   1 Urban Area(s):
  Urban Population =   9818605.0 ; 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: OTHER

**Model Calculates PERIOD Averages Only

**This Run Includes: 377 Source(s);   10 Source Group(s); and   198 Receptor(s)

               with: 157 POINT(s), including
                          0 POINTCAP(s) and   0 POINTHOR(s)
                and: 215 VOLUME source(s)
                and: 5 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 External File(s) of High Values for Plotting (PLOTFILE Keyword)

```
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   182.00 ;  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 =      4.6 MB of RAM.

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

**Detailed Error/Message File:   IRW04Op.err
**File for Summary of Results:   IRW04Op.sum
```

*** 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
STCK1	0	0.10000E+01	409891.9	3775192.5	125.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK2	0	0.10000E+01	409895.0	3775189.3	125.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK3	0	0.10000E+01	409899.9	3775184.6	125.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK4	0	0.10000E+01	409902.8	3775182.1	125.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK5	0	0.10000E+01	409905.7	3775179.4	125.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK6	0	0.10000E+01	409908.8	3775176.6	125.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK7	0	0.10000E+01	409912.0	3775174.5	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK8	0	0.10000E+01	409915.1	3775171.4	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK9	0	0.10000E+01	409919.0	3775167.9	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK10	0	0.10000E+01	409921.6	3775164.7	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK11	0	0.10000E+01	409928.2	3775159.6	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK12	0	0.10000E+01	409930.7	3775156.8	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK13	0	0.10000E+01	409933.0	3775154.7	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK14	0	0.10000E+01	409935.5	3775152.0	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK15	0	0.10000E+01	409938.9	3775149.0	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK16	0	0.10000E+01	409915.3	3775039.2	126.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK17	0	0.10000E+01	409918.2	3775036.7	126.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK18	0	0.10000E+01	409921.1	3775034.0	126.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK19	0	0.10000E+01	409924.2	3775031.2	126.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK20	0	0.10000E+01	409927.3	3775029.1	126.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK21	0	0.10000E+01	409956.3	3774998.5	127.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK22	0	0.10000E+01	409959.2	3774996.0	127.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK23	0	0.10000E+01	409962.1	3774993.3	127.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK24	0	0.10000E+01	409965.2	3774990.5	127.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK25	0	0.10000E+01	409968.4	3774988.4	127.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK26	0	0.10000E+01	409971.5	3774985.2	127.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK27	0	0.10000E+01	409975.4	3774981.7	127.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK28	0	0.10000E+01	409978.3	3774976.2	127.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK29	0	0.10000E+01	409981.2	3774973.7	127.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK30	0	0.10000E+01	409984.1	3774971.0	126.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK31	0	0.10000E+01	409987.2	3774968.2	126.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK32	0	0.10000E+01	409990.4	3774966.0	126.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK33	0	0.10000E+01	409993.6	3774962.9	126.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK34	0	0.10000E+01	409997.4	3774959.4	125.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK35	0	0.10000E+01	410001.3	3774952.8	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK36	0	0.10000E+01	410004.3	3774950.3	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK37	0	0.10000E+01	410007.2	3774947.6	125.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK38	0	0.10000E+01	410010.2	3774944.8	125.2	4.15	366.00	51.70	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
STCK39	0	0.10000E+01	410013.4	3774942.7	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK40	0	0.10000E+01	410016.6	3774939.5	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK41	0	0.10000E+01	410020.4	3774936.0	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK42	0	0.10000E+01	409933.3	3775022.2	127.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK43	0	0.10000E+01	409936.2	3775019.7	127.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK44	0	0.10000E+01	409939.1	3775017.0	127.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK45	0	0.10000E+01	409942.2	3775014.2	127.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK46	0	0.10000E+01	409945.4	3775012.1	127.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK47	0	0.10000E+01	409948.5	3775008.9	127.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK48	0	0.10000E+01	409952.4	3775005.4	127.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK49	0	0.10000E+01	410023.3	3774931.8	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK50	0	0.10000E+01	410026.3	3774929.3	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK51	0	0.10000E+01	410029.2	3774926.6	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK52	0	0.10000E+01	410032.3	3774923.8	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK53	0	0.10000E+01	410035.4	3774921.7	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK54	0	0.10000E+01	410038.6	3774918.5	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK55	0	0.10000E+01	410042.5	3774915.0	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK56	0	0.10000E+01	410044.7	3774910.4	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK57	0	0.10000E+01	410047.6	3774907.9	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK58	0	0.10000E+01	410050.5	3774905.2	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK59	0	0.10000E+01	410053.6	3774902.4	125.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK60	0	0.10000E+01	410056.8	3774900.3	125.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK61	0	0.10000E+01	410059.9	3774897.2	125.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK62	0	0.10000E+01	410063.8	3774893.7	125.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK63	0	0.10000E+01	410067.9	3774886.9	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK64	0	0.10000E+01	410070.8	3774884.4	126.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK65	0	0.10000E+01	410073.7	3774881.7	126.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK66	0	0.10000E+01	410076.8	3774878.9	126.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK67	0	0.10000E+01	410080.0	3774876.8	126.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK68	0	0.10000E+01	409929.1	3775025.2	126.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK69	0	0.10000E+01	409767.5	3774917.4	121.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK70	0	0.10000E+01	409770.5	3774914.9	121.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK71	0	0.10000E+01	409773.3	3774912.2	121.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK72	0	0.10000E+01	409776.4	3774909.4	122.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK73	0	0.10000E+01	409778.3	3774906.6	122.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK74	0	0.10000E+01	409808.6	3774876.7	123.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK75	0	0.10000E+01	409811.5	3774874.2	123.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK76	0	0.10000E+01	409814.4	3774871.5	123.1	4.15	366.00	51.70	0.10	YES	YES	NO	

STCK77	0	0.10000E+01	409817.5	3774868.7	123.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK78	0	0.10000E+01	409820.6	3774866.6	123.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK79	0	0.10000E+01	409823.8	3774863.4	123.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK80	0	0.10000E+01	409827.7	3774859.9	123.5	4.15	366.00	51.70	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
STCK81	0	0.10000E+01	409830.6	3774854.3	123.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK82	0	0.10000E+01	409833.5	3774851.8	123.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK83	0	0.10000E+01	409836.4	3774849.1	123.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK84	0	0.10000E+01	409839.5	3774846.3	123.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK85	0	0.10000E+01	409842.7	3774844.2	123.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK86	0	0.10000E+01	409845.8	3774841.0	123.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK87	0	0.10000E+01	409849.7	3774837.6	124.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK88	0	0.10000E+01	409853.6	3774831.0	123.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK89	0	0.10000E+01	409856.5	3774828.5	124.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK90	0	0.10000E+01	409859.4	3774825.8	124.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK91	0	0.10000E+01	409862.5	3774823.0	125.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK92	0	0.10000E+01	409865.7	3774820.9	126.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK93	0	0.10000E+01	409868.8	3774817.7	127.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK94	0	0.10000E+01	409872.7	3774814.2	129.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK95	0	0.10000E+01	409787.2	3774899.1	122.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK96	0	0.10000E+01	409790.2	3774896.6	122.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK97	0	0.10000E+01	409793.0	3774893.9	122.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK98	0	0.10000E+01	409796.1	3774891.1	122.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK99	0	0.10000E+01	409799.3	3774889.0	122.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK100	0	0.10000E+01	409802.5	3774885.9	122.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK101	0	0.10000E+01	409806.3	3774882.4	123.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK102	0	0.10000E+01	409876.7	3774807.5	130.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK103	0	0.10000E+01	409879.6	3774805.0	131.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK104	0	0.10000E+01	409882.5	3774802.3	133.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK105	0	0.10000E+01	409885.6	3774799.5	133.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK106	0	0.10000E+01	409888.8	3774797.4	133.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK107	0	0.10000E+01	409891.9	3774794.2	133.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK108	0	0.10000E+01	409895.8	3774790.7	133.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK109	0	0.10000E+01	409898.0	3774786.1	132.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK110	0	0.10000E+01	409901.0	3774783.6	133.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK111	0	0.10000E+01	409903.9	3774780.9	133.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK112	0	0.10000E+01	409907.0	3774778.1	133.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK113	0	0.10000E+01	409910.1	3774776.0	134.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK114	0	0.10000E+01	409913.3	3774772.9	134.0	4.15	366.00	51.70	0.10	YES	YES	NO	

STCK115	0	0.10000E+01	409917.1	3774769.4	133.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK116	0	0.10000E+01	409944.5	3774739.5	133.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK117	0	0.10000E+01	409947.5	3774737.0	133.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK118	0	0.10000E+01	409950.4	3774734.3	133.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK119	0	0.10000E+01	409953.5	3774731.5	133.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK120	0	0.10000E+01	409956.6	3774729.4	133.9	4.15	366.00	51.70	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
STCK121	0	0.10000E+01	409781.4	3774903.4	122.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK122	0	0.10000E+01	409920.9	3774763.3	133.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK123	0	0.10000E+01	409923.8	3774760.8	133.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK124	0	0.10000E+01	409926.7	3774758.1	133.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK125	0	0.10000E+01	409929.8	3774755.3	133.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK126	0	0.10000E+01	409933.0	3774753.2	133.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK127	0	0.10000E+01	409936.1	3774750.0	133.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK128	0	0.10000E+01	409940.0	3774746.5	133.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK129	0	0.10000E+01	409788.1	3774767.1	122.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK130	0	0.10000E+01	409790.2	3774764.6	122.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK131	0	0.10000E+01	409793.8	3774762.0	122.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK132	0	0.10000E+01	409795.3	3774759.7	122.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK133	0	0.10000E+01	409798.5	3774757.2	122.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK134	0	0.10000E+01	409801.3	3774753.8	122.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK135	0	0.10000E+01	409804.2	3774751.4	122.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK136	0	0.10000E+01	409810.2	3774745.6	122.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK137	0	0.10000E+01	409812.3	3774743.0	122.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK138	0	0.10000E+01	409816.0	3774740.5	122.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK139	0	0.10000E+01	409817.4	3774738.1	122.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK140	0	0.10000E+01	409820.6	3774735.6	123.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK141	0	0.10000E+01	409823.4	3774732.2	123.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK142	0	0.10000E+01	409826.4	3774729.8	123.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK143	0	0.10000E+01	409829.5	3774725.9	123.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK144	0	0.10000E+01	409835.8	3774720.3	123.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK145	0	0.10000E+01	409837.9	3774717.7	123.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK146	0	0.10000E+01	409841.5	3774715.2	123.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK147	0	0.10000E+01	409843.0	3774712.8	123.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK148	0	0.10000E+01	409846.2	3774710.3	123.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK149	0	0.10000E+01	409849.0	3774706.9	123.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK150	0	0.10000E+01	409851.9	3774704.5	123.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK151	0	0.10000E+01	409855.1	3774700.6	123.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK152	0	0.10000E+01	409860.5	3774696.1	123.5	4.15	366.00	51.70	0.10	YES	YES	NO	

STCK153	0	0.10000E+01	409861.9	3774693.8	123.5	4.15	366.00	51.70	0.10	YES	YES	NO
STCK154	0	0.10000E+01	409865.1	3774691.3	123.5	4.15	366.00	51.70	0.10	YES	YES	NO
STCK155	0	0.10000E+01	409867.9	3774687.9	123.5	4.15	366.00	51.70	0.10	YES	YES	NO
STCK156	0	0.10000E+01	409870.9	3774685.5	123.6	4.15	366.00	51.70	0.10	YES	YES	NO
STCK157	0	0.10000E+01	409874.0	3774681.6	123.6	4.15	366.00	51.70	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
L0000001	0	0.27778E-01	409862.2	3774537.8	121.7	4.15	9.77	3.26	YES	
L0000002	0	0.27778E-01	409881.3	3774529.2	122.5	4.15	9.77	3.26	YES	
L0000003	0	0.27778E-01	409900.4	3774520.5	123.0	4.15	9.77	3.26	YES	
L0000004	0	0.27778E-01	409919.6	3774511.9	123.1	4.15	9.77	3.26	YES	
L0000005	0	0.27778E-01	409938.7	3774503.2	124.0	4.15	9.77	3.26	YES	
L0000006	0	0.27778E-01	409957.9	3774494.6	124.3	4.15	9.77	3.26	YES	
L0000007	0	0.27778E-01	409977.0	3774486.0	121.0	4.15	9.77	3.26	YES	
L0000008	0	0.27778E-01	409996.1	3774477.3	119.6	4.15	9.77	3.26	YES	
L0000009	0	0.27778E-01	410015.3	3774468.7	119.3	4.15	9.77	3.26	YES	
L0000010	0	0.27778E-01	410034.4	3774460.1	119.4	4.15	9.77	3.26	YES	
L0000011	0	0.27778E-01	410053.6	3774451.4	120.0	4.15	9.77	3.26	YES	
L0000012	0	0.27778E-01	410072.7	3774442.8	121.8	4.15	9.77	3.26	YES	
L0000013	0	0.27778E-01	410091.8	3774434.1	123.9	4.15	9.77	3.26	YES	
L0000014	0	0.27778E-01	410111.0	3774425.5	124.2	4.15	9.77	3.26	YES	
L0000015	0	0.27778E-01	410131.2	3774420.2	123.6	4.15	9.77	3.26	YES	
L0000016	0	0.27778E-01	410151.7	3774415.6	123.3	4.15	9.77	3.26	YES	
L0000017	0	0.27778E-01	410172.2	3774411.0	123.0	4.15	9.77	3.26	YES	
L0000018	0	0.27778E-01	410192.7	3774406.4	122.7	4.15	9.77	3.26	YES	
L0000019	0	0.27778E-01	410213.3	3774403.2	122.6	4.15	9.77	3.26	YES	
L0000020	0	0.27778E-01	410234.3	3774403.2	122.6	4.15	9.77	3.26	YES	
L0000021	0	0.27778E-01	410255.3	3774403.2	122.7	4.15	9.77	3.26	YES	
L0000022	0	0.27778E-01	410276.3	3774403.2	122.9	4.15	9.77	3.26	YES	
L0000023	0	0.27778E-01	410297.3	3774403.2	123.2	4.15	9.77	3.26	YES	
L0000024	0	0.27778E-01	410318.2	3774404.9	123.6	4.15	9.77	3.26	YES	
L0000025	0	0.27778E-01	410339.1	3774407.5	123.9	4.15	9.77	3.26	YES	
L0000026	0	0.27778E-01	410359.9	3774410.1	124.2	4.15	9.77	3.26	YES	
L0000027	0	0.27778E-01	410380.8	3774412.4	124.4	4.15	9.77	3.26	YES	
L0000028	0	0.27778E-01	410401.8	3774412.4	124.5	4.15	9.77	3.26	YES	
L0000029	0	0.27778E-01	410422.8	3774412.4	124.5	4.15	9.77	3.26	YES	
L0000030	0	0.27778E-01	410443.8	3774412.4	124.6	4.15	9.77	3.26	YES	
L0000031	0	0.27778E-01	410464.8	3774412.4	124.7	4.15	9.77	3.26	YES	
L0000032	0	0.27778E-01	410485.8	3774412.4	124.7	4.15	9.77	3.26	YES	

L0000033	0	0.27778E-01	410506.8	3774412.4	124.7	4.15	9.77	3.26	YES	
L0000034	0	0.27778E-01	410527.8	3774412.4	124.8	4.15	9.77	3.26	YES	
L0000035	0	0.27778E-01	410548.8	3774412.4	124.9	4.15	9.77	3.26	YES	
L0000036	0	0.27778E-01	410569.8	3774412.4	125.1	4.15	9.77	3.26	YES	
L0000037	0	0.50000E-01	409461.6	3774714.0	120.2	4.15	9.77	3.26	YES	
L0000038	0	0.50000E-01	409480.9	3774705.7	118.3	4.15	9.77	3.26	YES	
L0000039	0	0.50000E-01	409500.2	3774697.5	113.4	4.15	9.77	3.26	YES	
L0000040	0	0.50000E-01	409519.5	3774689.2	112.9	4.15	9.77	3.26	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
L0000041	0	0.50000E-01	409538.8	3774680.9	112.9	4.15	9.77	3.26	YES	
L0000042	0	0.50000E-01	409558.1	3774672.6	116.6	4.15	9.77	3.26	YES	
L0000043	0	0.50000E-01	409577.4	3774664.4	120.6	4.15	9.77	3.26	YES	
L0000044	0	0.50000E-01	409596.7	3774656.1	120.5	4.15	9.77	3.26	YES	
L0000045	0	0.50000E-01	409616.0	3774647.8	120.4	4.15	9.77	3.26	YES	
L0000046	0	0.50000E-01	409635.3	3774639.6	120.4	4.15	9.77	3.26	YES	
L0000047	0	0.50000E-01	409654.6	3774631.3	120.5	4.15	9.77	3.26	YES	
L0000048	0	0.50000E-01	409673.9	3774623.0	120.6	4.15	9.77	3.26	YES	
L0000049	0	0.50000E-01	409693.2	3774614.7	120.5	4.15	9.77	3.26	YES	
L0000050	0	0.50000E-01	409712.5	3774606.5	120.5	4.15	9.77	3.26	YES	
L0000051	0	0.50000E-01	409731.8	3774598.2	120.8	4.15	9.77	3.26	YES	
L0000052	0	0.50000E-01	409751.1	3774589.9	121.0	4.15	9.77	3.26	YES	
L0000053	0	0.50000E-01	409770.4	3774581.6	120.7	4.15	9.77	3.26	YES	
L0000054	0	0.50000E-01	409789.7	3774573.4	120.8	4.15	9.77	3.26	YES	
L0000055	0	0.50000E-01	409809.0	3774565.1	121.2	4.15	9.77	3.26	YES	
L0000056	0	0.50000E-01	409828.3	3774556.8	121.4	4.15	9.77	3.26	YES	
L0000057	0	0.35714E-01	408812.2	3775011.8	115.1	4.15	11.40	3.26	YES	
L0000058	0	0.35714E-01	408834.5	3775001.7	113.8	4.15	11.40	3.26	YES	
L0000059	0	0.35714E-01	408856.8	3774991.5	115.2	4.15	11.40	3.26	YES	
L0000060	0	0.35714E-01	408879.1	3774981.3	116.1	4.15	11.40	3.26	YES	
L0000061	0	0.35714E-01	408901.4	3774971.2	115.8	4.15	11.40	3.26	YES	
L0000062	0	0.35714E-01	408923.7	3774961.0	115.7	4.15	11.40	3.26	YES	
L0000063	0	0.35714E-01	408946.0	3774950.8	115.8	4.15	11.40	3.26	YES	
L0000064	0	0.35714E-01	408968.3	3774940.6	115.9	4.15	11.40	3.26	YES	
L0000065	0	0.35714E-01	408990.6	3774930.5	115.9	4.15	11.40	3.26	YES	
L0000066	0	0.35714E-01	409012.9	3774920.3	116.1	4.15	11.40	3.26	YES	
L0000067	0	0.35714E-01	409035.1	3774910.1	116.1	4.15	11.40	3.26	YES	
L0000068	0	0.35714E-01	409057.4	3774900.0	116.3	4.15	11.40	3.26	YES	
L0000069	0	0.35714E-01	409079.7	3774889.8	116.5	4.15	11.40	3.26	YES	
L0000070	0	0.35714E-01	409102.0	3774879.6	116.7	4.15	11.40	3.26	YES	

L0000071	0	0.35714E-01	409124.3	3774869.5	116.9	4.15	11.40	3.26	YES	
L0000072	0	0.35714E-01	409146.6	3774859.3	117.1	4.15	11.40	3.26	YES	
L0000073	0	0.35714E-01	409168.9	3774849.1	117.5	4.15	11.40	3.26	YES	
L0000074	0	0.35714E-01	409191.2	3774839.0	117.7	4.15	11.40	3.26	YES	
L0000075	0	0.35714E-01	409213.5	3774828.8	117.6	4.15	11.40	3.26	YES	
L0000076	0	0.35714E-01	409235.8	3774818.6	117.9	4.15	11.40	3.26	YES	
L0000077	0	0.35714E-01	409258.0	3774808.5	118.0	4.15	11.40	3.26	YES	
L0000078	0	0.35714E-01	409280.3	3774798.3	118.1	4.15	11.40	3.26	YES	
L0000079	0	0.35714E-01	409302.6	3774788.1	118.3	4.15	11.40	3.26	YES	
L0000080	0	0.35714E-01	409324.9	3774777.9	118.3	4.15	11.40	3.26	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
L0000081	0	0.35714E-01	409347.2	3774767.8	118.8	4.15	11.40	3.26	YES	
L0000082	0	0.35714E-01	409369.5	3774757.6	119.2	4.15	11.40	3.26	YES	
L0000083	0	0.35714E-01	409391.8	3774747.4	119.4	4.15	11.40	3.26	YES	
L0000084	0	0.35714E-01	409414.1	3774737.3	119.5	4.15	11.40	3.26	YES	
L0000085	0	0.12821E-01	410022.8	3775212.1	127.4	4.15	6.88	3.26	YES	
L0000086	0	0.12821E-01	410018.6	3775226.2	127.5	4.15	6.88	3.26	YES	
L0000087	0	0.12821E-01	410012.5	3775239.2	128.0	4.15	6.88	3.26	YES	
L0000088	0	0.12821E-01	410001.1	3775248.7	127.9	4.15	6.88	3.26	YES	
L0000089	0	0.12821E-01	409989.7	3775258.1	127.4	4.15	6.88	3.26	YES	
L0000090	0	0.12821E-01	409978.4	3775267.6	127.5	4.15	6.88	3.26	YES	
L0000091	0	0.12821E-01	409965.4	3775274.8	127.4	4.15	6.88	3.26	YES	
L0000092	0	0.12821E-01	409952.3	3775281.7	127.3	4.15	6.88	3.26	YES	
L0000093	0	0.12821E-01	409939.2	3775288.6	127.3	4.15	6.88	3.26	YES	
L0000094	0	0.12821E-01	409934.6	3775301.8	128.0	4.15	6.88	3.26	YES	
L0000095	0	0.12821E-01	409931.8	3775316.3	128.9	4.15	6.88	3.26	YES	
L0000096	0	0.12821E-01	409928.9	3775330.8	129.4	4.15	6.88	3.26	YES	
L0000097	0	0.12821E-01	409934.4	3775338.0	129.3	4.15	6.88	3.26	YES	
L0000098	0	0.12821E-01	409949.1	3775336.8	128.9	4.15	6.88	3.26	YES	
L0000099	0	0.12821E-01	409963.9	3775335.7	128.6	4.15	6.88	3.26	YES	
L0000100	0	0.12821E-01	409978.6	3775334.5	127.1	4.15	6.88	3.26	YES	
L0000101	0	0.12821E-01	409993.4	3775333.4	125.9	4.15	6.88	3.26	YES	
L0000102	0	0.12821E-01	410008.1	3775332.2	127.2	4.15	6.88	3.26	YES	
L0000103	0	0.12821E-01	410022.9	3775331.1	128.0	4.15	6.88	3.26	YES	
L0000104	0	0.12821E-01	410037.5	3775328.5	127.9	4.15	6.88	3.26	YES	
L0000105	0	0.12821E-01	410052.0	3775325.9	127.9	4.15	6.88	3.26	YES	
L0000106	0	0.12821E-01	410066.6	3775323.3	127.9	4.15	6.88	3.26	YES	
L0000107	0	0.12821E-01	410081.2	3775320.7	128.0	4.15	6.88	3.26	YES	
L0000108	0	0.12821E-01	410095.7	3775318.1	128.2	4.15	6.88	3.26	YES	

L0000109	0	0.12821E-01	410110.2	3775314.8	128.4	4.15	6.88	3.26	YES
L0000110	0	0.12821E-01	410124.5	3775311.1	128.6	4.15	6.88	3.26	YES
L0000111	0	0.12821E-01	410138.9	3775307.5	128.6	4.15	6.88	3.26	YES
L0000112	0	0.12821E-01	410153.2	3775303.9	128.8	4.15	6.88	3.26	YES
L0000113	0	0.12821E-01	410167.5	3775300.2	129.2	4.15	6.88	3.26	YES
L0000114	0	0.12821E-01	410181.6	3775295.7	129.0	4.15	6.88	3.26	YES
L0000115	0	0.12821E-01	410195.3	3775290.1	128.6	4.15	6.88	3.26	YES
L0000116	0	0.12821E-01	410209.0	3775284.6	128.9	4.15	6.88	3.26	YES
L0000117	0	0.12821E-01	410222.7	3775279.0	129.1	4.15	6.88	3.26	YES
L0000118	0	0.12821E-01	410236.4	3775273.4	129.3	4.15	6.88	3.26	YES
L0000119	0	0.12821E-01	410250.1	3775267.8	129.5	4.15	6.88	3.26	YES
L0000120	0	0.12821E-01	410263.9	3775262.2	129.3	4.15	6.88	3.26	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
L0000121	0	0.12821E-01	410277.6	3775256.6	129.1	4.15	6.88	3.26	YES	
L0000122	0	0.12821E-01	410291.3	3775251.1	129.3	4.15	6.88	3.26	YES	
L0000123	0	0.12821E-01	410304.1	3775243.8	129.5	4.15	6.88	3.26	YES	
L0000124	0	0.12821E-01	410316.6	3775235.9	129.5	4.15	6.88	3.26	YES	
L0000125	0	0.12821E-01	410329.1	3775228.0	129.3	4.15	6.88	3.26	YES	
L0000126	0	0.12821E-01	410341.7	3775220.1	129.5	4.15	6.88	3.26	YES	
L0000127	0	0.12821E-01	410354.2	3775212.2	129.7	4.15	6.88	3.26	YES	
L0000128	0	0.12821E-01	410366.7	3775204.3	129.7	4.15	6.88	3.26	YES	
L0000129	0	0.12821E-01	410378.8	3775195.9	129.6	4.15	6.88	3.26	YES	
L0000130	0	0.12821E-01	410389.8	3775186.0	129.8	4.15	6.88	3.26	YES	
L0000131	0	0.12821E-01	410400.9	3775176.2	129.9	4.15	6.88	3.26	YES	
L0000132	0	0.12821E-01	410411.9	3775166.3	130.0	4.15	6.88	3.26	YES	
L0000133	0	0.12821E-01	410422.9	3775156.4	130.0	4.15	6.88	3.26	YES	
L0000134	0	0.12821E-01	410434.0	3775146.6	130.2	4.15	6.88	3.26	YES	
L0000135	0	0.12821E-01	410445.0	3775136.7	130.4	4.15	6.88	3.26	YES	
L0000136	0	0.12821E-01	410456.1	3775126.9	130.6	4.15	6.88	3.26	YES	
L0000137	0	0.12821E-01	410467.1	3775117.0	130.9	4.15	6.88	3.26	YES	
L0000138	0	0.12821E-01	410478.1	3775107.1	131.4	4.15	6.88	3.26	YES	
L0000139	0	0.12821E-01	410489.2	3775097.3	131.1	4.15	6.88	3.26	YES	
L0000140	0	0.12821E-01	410500.2	3775087.4	130.3	4.15	6.88	3.26	YES	
L0000141	0	0.12821E-01	410511.2	3775077.6	130.5	4.15	6.88	3.26	YES	
L0000142	0	0.12821E-01	410522.3	3775067.7	131.6	4.15	6.88	3.26	YES	
L0000143	0	0.12821E-01	410533.3	3775057.8	131.1	4.15	6.88	3.26	YES	
L0000144	0	0.12821E-01	410544.4	3775048.0	128.1	4.15	6.88	3.26	YES	
L0000145	0	0.12821E-01	410555.4	3775038.1	124.5	4.15	6.88	3.26	YES	
L0000146	0	0.12821E-01	410566.4	3775028.3	124.9	4.15	6.88	3.26	YES	

L0000147	0	0.12821E-01	410577.5	3775018.4	124.5	4.15	6.88	3.26	YES
L0000148	0	0.12821E-01	410588.5	3775008.5	127.8	4.15	6.88	3.26	YES
L0000149	0	0.12821E-01	410599.5	3774998.7	131.6	4.15	6.88	3.26	YES
L0000150	0	0.12821E-01	410610.6	3774988.8	132.2	4.15	6.88	3.26	YES
L0000151	0	0.12821E-01	410621.6	3774979.0	132.0	4.15	6.88	3.26	YES
L0000152	0	0.12821E-01	410632.7	3774969.1	131.2	4.15	6.88	3.26	YES
L0000153	0	0.12821E-01	410643.7	3774959.2	130.9	4.15	6.88	3.26	YES
L0000154	0	0.12821E-01	410654.7	3774949.4	131.1	4.15	6.88	3.26	YES
L0000155	0	0.12821E-01	410665.8	3774939.5	130.5	4.15	6.88	3.26	YES
L0000156	0	0.12821E-01	410676.8	3774929.7	130.3	4.15	6.88	3.26	YES
L0000157	0	0.12821E-01	410687.8	3774919.8	130.4	4.15	6.88	3.26	YES
L0000158	0	0.12821E-01	410698.9	3774909.9	129.8	4.15	6.88	3.26	YES
L0000159	0	0.12821E-01	410709.9	3774900.1	130.0	4.15	6.88	3.26	YES
L0000160	0	0.12821E-01	410721.0	3774890.2	130.1	4.15	6.88	3.26	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
L0000161	0	0.12821E-01	410732.0	3774880.4	129.9	4.15	6.88	3.26	YES	
L0000162	0	0.12821E-01	410743.0	3774870.5	130.3	4.15	6.88	3.26	YES	
L0000163	0	0.18868E-01	408818.6	3775175.0	116.7	4.15	9.77	3.26	YES	
L0000164	0	0.18868E-01	408839.4	3775178.1	117.0	4.15	9.77	3.26	YES	
L0000165	0	0.18868E-01	408860.2	3775181.3	117.5	4.15	9.77	3.26	YES	
L0000166	0	0.18868E-01	408880.9	3775184.4	117.5	4.15	9.77	3.26	YES	
L0000167	0	0.18868E-01	408901.7	3775187.5	117.7	4.15	9.77	3.26	YES	
L0000168	0	0.18868E-01	408922.5	3775190.7	117.9	4.15	9.77	3.26	YES	
L0000169	0	0.18868E-01	408943.2	3775193.8	118.2	4.15	9.77	3.26	YES	
L0000170	0	0.18868E-01	408964.0	3775196.9	118.5	4.15	9.77	3.26	YES	
L0000171	0	0.18868E-01	408984.8	3775200.1	118.7	4.15	9.77	3.26	YES	
L0000172	0	0.18868E-01	409005.5	3775203.2	118.8	4.15	9.77	3.26	YES	
L0000173	0	0.18868E-01	409026.3	3775206.3	119.0	4.15	9.77	3.26	YES	
L0000174	0	0.18868E-01	409047.1	3775209.5	119.6	4.15	9.77	3.26	YES	
L0000175	0	0.18868E-01	409067.8	3775212.6	119.6	4.15	9.77	3.26	YES	
L0000176	0	0.18868E-01	409088.6	3775215.7	119.8	4.15	9.77	3.26	YES	
L0000177	0	0.18868E-01	409109.4	3775218.9	120.1	4.15	9.77	3.26	YES	
L0000178	0	0.18868E-01	409130.1	3775222.0	120.2	4.15	9.77	3.26	YES	
L0000179	0	0.18868E-01	409150.9	3775225.1	120.0	4.15	9.77	3.26	YES	
L0000180	0	0.18868E-01	409171.6	3775228.3	120.0	4.15	9.77	3.26	YES	
L0000181	0	0.18868E-01	409192.4	3775231.4	120.0	4.15	9.77	3.26	YES	
L0000182	0	0.18868E-01	409213.2	3775234.6	120.0	4.15	9.77	3.26	YES	
L0000183	0	0.18868E-01	409233.9	3775237.7	120.1	4.15	9.77	3.26	YES	
L0000184	0	0.18868E-01	409254.7	3775240.8	120.3	4.15	9.77	3.26	YES	

L0000185	0	0.18868E-01	409275.5	3775244.0	120.5	4.15	9.77	3.26	YES
L0000186	0	0.18868E-01	409296.2	3775247.1	120.8	4.15	9.77	3.26	YES
L0000187	0	0.18868E-01	409317.0	3775250.2	121.2	4.15	9.77	3.26	YES
L0000188	0	0.18868E-01	409337.8	3775253.4	121.4	4.15	9.77	3.26	YES
L0000189	0	0.18868E-01	409358.5	3775256.5	121.5	4.15	9.77	3.26	YES
L0000190	0	0.18868E-01	409379.3	3775259.6	121.6	4.15	9.77	3.26	YES
L0000191	0	0.18868E-01	409400.1	3775262.8	121.7	4.15	9.77	3.26	YES
L0000192	0	0.18868E-01	409420.8	3775265.9	121.8	4.15	9.77	3.26	YES
L0000193	0	0.18868E-01	409441.6	3775269.1	122.0	4.15	9.77	3.26	YES
L0000194	0	0.18868E-01	409462.3	3775272.2	122.3	4.15	9.77	3.26	YES
L0000195	0	0.18868E-01	409483.1	3775275.4	122.8	4.15	9.77	3.26	YES
L0000196	0	0.18868E-01	409503.9	3775278.5	123.0	4.15	9.77	3.26	YES
L0000197	0	0.18868E-01	409524.6	3775281.7	123.0	4.15	9.77	3.26	YES
L0000198	0	0.18868E-01	409545.4	3775284.8	123.2	4.15	9.77	3.26	YES
L0000199	0	0.18868E-01	409566.2	3775288.0	123.7	4.15	9.77	3.26	YES
L0000200	0	0.18868E-01	409586.9	3775291.1	124.3	4.15	9.77	3.26	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
L0000201	0	0.18868E-01	409607.7	3775294.3	124.7	4.15	9.77	3.26	YES	
L0000202	0	0.18868E-01	409628.4	3775297.4	125.4	4.15	9.77	3.26	YES	
L0000203	0	0.18868E-01	409649.2	3775300.6	126.4	4.15	9.77	3.26	YES	
L0000204	0	0.18868E-01	409670.0	3775303.7	127.3	4.15	9.77	3.26	YES	
L0000205	0	0.18868E-01	409690.7	3775306.9	127.6	4.15	9.77	3.26	YES	
L0000206	0	0.18868E-01	409711.5	3775310.0	127.3	4.15	9.77	3.26	YES	
L0000207	0	0.18868E-01	409732.3	3775313.2	128.4	4.15	9.77	3.26	YES	
L0000208	0	0.18868E-01	409753.0	3775316.3	129.6	4.15	9.77	3.26	YES	
L0000209	0	0.18868E-01	409773.8	3775319.3	127.1	4.15	9.77	3.26	YES	
L0000210	0	0.18868E-01	409794.6	3775322.3	124.1	4.15	9.77	3.26	YES	
L0000211	0	0.18868E-01	409815.4	3775325.3	123.6	4.15	9.77	3.26	YES	
L0000212	0	0.18868E-01	409836.2	3775328.2	123.4	4.15	9.77	3.26	YES	
L0000213	0	0.18868E-01	409857.0	3775331.2	126.5	4.15	9.77	3.26	YES	
L0000214	0	0.18868E-01	409877.7	3775334.2	129.1	4.15	9.77	3.26	YES	
L0000215	0	0.18868E-01	409898.6	3775336.2	130.4	4.15	9.77	3.26	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PAREA3	0	0.14229E-04	410011.1	3775205.9	127.3	4.15	15	1.93	YES	
PAREA1	0	0.14015E-04	409836.9	3774557.7	121.6	4.15	38	1.93	YES	
PAREA4	0	0.18791E-04	409883.7	3775201.6	125.5	4.15	4	1.93	YES	
PAREA5	0	0.17835E-04	409907.1	3775046.5	126.5	4.15	4	1.93	YES	
PAREA6	0	0.17740E-04	409763.3	3774928.6	120.3	4.15	10	1.93	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
B3_IDLE	STCK1 , STCK2 , STCK3 , STCK4 , STCK5 , STCK6 , STCK7 , STCK8 ,
	STCK9 , STCK10 , STCK11 , STCK12 , STCK13 , STCK14 , STCK15 ,
B2_IDLE	STCK16 , STCK17 , STCK18 , STCK19 , STCK20 , STCK21 , STCK22 , STCK23 ,
	STCK24 , STCK25 , STCK26 , STCK27 , STCK28 , STCK29 , STCK30 , STCK31 ,
	STCK32 , STCK33 , STCK34 , STCK35 , STCK36 , STCK37 , STCK38 , STCK39 ,
	STCK40 , STCK41 , STCK42 , STCK43 , STCK44 , STCK45 , STCK46 , STCK47 ,
	STCK48 , STCK49 , STCK50 , STCK51 , STCK52 , STCK53 , STCK54 , STCK55 ,
	STCK56 , STCK57 , STCK58 , STCK59 , STCK60 , STCK61 , STCK62 , STCK63 ,
	STCK64 , STCK65 , STCK66 , STCK67 , STCK68 , STCK69 , STCK70 , STCK71 ,
	STCK72 , STCK73 , STCK74 , STCK75 , STCK76 , STCK77 , STCK78 , STCK79 ,
	STCK80 , STCK81 , STCK82 , STCK83 , STCK84 , STCK85 , STCK86 , STCK87 ,
	STCK88 , STCK89 , STCK90 , STCK91 , STCK92 , STCK93 , STCK94 , STCK95 ,
	STCK96 , STCK97 , STCK98 , STCK99 , STCK100 , STCK101 , STCK102 , STCK103 ,
	STCK104 , STCK105 , STCK106 , STCK107 , STCK108 , STCK109 , STCK110 , STCK111 ,
	STCK112 , STCK113 , STCK114 , STCK115 , STCK116 , STCK117 , STCK118 , STCK119 ,
	STCK120 , STCK121 , STCK122 , STCK123 , STCK124 , STCK125 , STCK126 , STCK127 ,
	STCK128 ,
B1_IDLE	STCK129 , STCK130 , STCK131 , STCK132 , STCK133 , STCK134 , STCK135 , STCK136 ,
	STCK137 , STCK138 , STCK139 , STCK140 , STCK141 , STCK142 , STCK143 , STCK144 ,
	STCK145 , STCK146 , STCK147 , STCK148 , STCK149 , STCK150 , STCK151 , STCK152 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	STCK153 , STCK154 , STCK155 , STCK156 , STCK157 ,
TR_RUNEX	PAREA3 , PAREA1 ,
YARD_EMS	PAREA4 , PAREA5 , PAREA6 ,
LIVEOAKE	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 ,
LIVEOAKW	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
	L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
	L0000081 , L0000082 , L0000083 , L0000084 ,
LIVEOAKF	L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 , L0000044 ,
	L0000045 , L0000046 , L0000047 , L0000048 , L0000049 , L0000050 , L0000051 , L0000052 ,
	L0000053 , L0000054 , L0000055 , L0000056 ,
ARROWH_E	L0000085 , L0000086 , L0000087 , L0000088 , L0000089 , L0000090 , L0000091 , L0000092 ,
	L0000093 , L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 ,
	L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 ,
	L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 ,
	L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , L0000122 , L0000123 , L0000124 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000125 , L0000126 , L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 ,
	L0000133 , L0000134 , L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 ,
	L0000141 , L0000142 , L0000143 , L0000144 , L0000145 , L0000146 , L0000147 , L0000148 ,
	L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 ,
	L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 ,
ARROWH_W	L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 ,
	L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 , L0000177 , L0000178 ,
	L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 , L0000185 , L0000186 ,
	L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 , L0000194 ,
	L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 , L0000202 ,
	L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 , L0000209 , L0000210 ,
	L0000211 , L0000212 , L0000213 , L0000214 , L0000215 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	9818605.	STCK1 , STCK2 , STCK3 , STCK4 , STCK5 , STCK6 , STCK7 , STCK8 ,
		STCK9 , STCK10 , STCK11 , STCK12 , STCK13 , STCK14 , STCK15 , STCK16 ,
		STCK17 , STCK18 , STCK19 , STCK20 , STCK21 , STCK22 , STCK23 , STCK24 ,
		STCK25 , STCK26 , STCK27 , STCK28 , STCK29 , STCK30 , STCK31 , STCK32 ,
		STCK33 , STCK34 , STCK35 , STCK36 , STCK37 , STCK38 , STCK39 , STCK40 ,
		STCK41 , STCK42 , STCK43 , STCK44 , STCK45 , STCK46 , STCK47 , STCK48 ,
		STCK49 , STCK50 , STCK51 , STCK52 , STCK53 , STCK54 , STCK55 , STCK56 ,
		STCK57 , STCK58 , STCK59 , STCK60 , STCK61 , STCK62 , STCK63 , STCK64 ,
		STCK65 , STCK66 , STCK67 , STCK68 , STCK69 , STCK70 , STCK71 , STCK72 ,
		STCK73 , STCK74 , STCK75 , STCK76 , STCK77 , STCK78 , STCK79 , STCK80 ,
		STCK81 , STCK82 , STCK83 , STCK84 , STCK85 , STCK86 , STCK87 , STCK88 ,
		STCK89 , STCK90 , STCK91 , STCK92 , STCK93 , STCK94 , STCK95 , STCK96 ,
		STCK97 , STCK98 , STCK99 , STCK100 , STCK101 , STCK102 , STCK103 , STCK104 ,
		STCK105 , STCK106 , STCK107 , STCK108 , STCK109 , STCK110 , STCK111 , STCK112 ,
		STCK113 , STCK114 , STCK115 , STCK116 , STCK117 , STCK118 , STCK119 , STCK120 ,
		STCK121 , STCK122 , STCK123 , STCK124 , STCK125 , STCK126 , STCK127 , STCK128 ,
		STCK129 , STCK130 , STCK131 , STCK132 , STCK133 , STCK134 , STCK135 , STCK136 ,
		STCK137 , STCK138 , STCK139 , STCK140 , STCK141 , STCK142 , STCK143 , STCK144 ,
		STCK145 , STCK146 , STCK147 , STCK148 , STCK149 , STCK150 , STCK151 , STCK152 ,
		STCK153 , STCK154 , STCK155 , STCK156 , STCK157 , PAREA3 , PAREA1 , PAREA4 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		PAREA5 , PAREA6 , L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 ,
		L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 ,
		L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 ,
		L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 ,
		L0000031 , L0000032 , L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 ,
		L0000039 , L0000040 , L0000041 , L0000042 , L0000043 , L0000044 , L0000045 , L0000046 ,
		L0000047 , L0000048 , L0000049 , L0000050 , L0000051 , L0000052 , L0000053 , L0000054 ,
		L0000055 , L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
		L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
		L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 ,
		L0000079 , L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 ,
		L0000087 , L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 ,
		L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 ,
		L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,
		L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 ,
		L0000119 , L0000120 , L0000121 , L0000122 , L0000123 , L0000124 , L0000125 , L0000126 ,
		L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 ,
		L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 , L0000142 ,
		L0000143 , L0000144 , L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 ,
		L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 ,
		L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 ,
		L0000175 , L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 ,
		L0000183 , L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 ,
		L0000191 , L0000192 , L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 ,
		L0000199 , L0000200 , L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 ,
		L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 ,
		L0000215 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	9.1,	117.4,	111.6,	-41.6,	-51.2,	2	9.1,	113.9,	103.3,	-28.7,	-48.0,
3	9.1,	106.9,	91.9,	-14.9,	-43.4,	4	9.1,	96.7,	77.7,	-0.6,	-37.5,
5	9.1,	100.7,	83.1,	1.7,	-30.7,	6	9.1,	109.8,	96.3,	-0.3,	-22.6,
7	9.1,	115.6,	106.7,	-2.3,	-13.7,	8	9.1,	117.8,	113.8,	-4.2,	-4.5,
9	9.1,	116.5,	117.4,	-6.0,	4.9,	10	9.1,	111.6,	117.4,	-7.5,	14.2,
11	9.1,	103.3,	113.9,	-8.9,	23.0,	12	9.1,	91.9,	106.9,	-10.0,	31.1,
13	9.1,	77.7,	96.7,	-10.8,	38.2,	14	9.1,	83.1,	100.7,	-19.7,	43.3,
15	9.1,	96.3,	109.8,	-32.3,	47.9,	16	9.1,	106.7,	115.6,	-44.0,	51.1,
17	9.1,	113.8,	117.8,	-54.4,	52.7,	18	9.1,	117.4,	116.5,	-63.1,	52.7,
19	9.1,	117.4,	111.6,	-69.9,	51.2,	20	9.1,	113.9,	103.3,	-74.6,	48.0,
21	9.1,	106.9,	91.9,	-77.0,	43.4,	22	9.1,	96.7,	77.7,	-77.1,	37.5,
23	9.1,	100.7,	83.1,	-84.8,	30.7,	24	9.1,	109.8,	96.3,	-96.1,	22.6,
25	9.1,	115.6,	106.7,	-104.4,	13.7,	26	9.1,	117.8,	113.8,	-109.6,	4.5,
27	9.1,	116.5,	117.4,	-111.4,	-4.9,	28	9.1,	111.6,	117.4,	-109.9,	-14.2,
29	9.1,	103.3,	113.9,	-105.0,	-23.0,	30	9.1,	91.9,	106.9,	-96.9,	-31.1,
31	9.1,	77.7,	96.7,	-85.9,	-38.2,	32	9.1,	83.1,	100.7,	-81.1,	-43.3,
33	9.1,	96.3,	109.8,	-77.5,	-47.9,	34	9.1,	106.7,	115.6,	-71.5,	-51.1,
35	9.1,	113.8,	117.8,	-63.4,	-52.7,	36	9.1,	117.4,	116.5,	-53.3,	-52.7,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	9.1,	117.4,	111.6,	-39.0,	-47.5,	2	9.1,	113.9,	103.3,	-26.8,	-44.0,
3	9.1,	106.9,	91.9,	-13.7,	-39.1,	4	9.1,	96.7,	77.7,	-0.2,	-33.1,
5	9.1,	100.7,	83.1,	1.3,	-26.3,	6	9.1,	109.8,	96.3,	-1.4,	-18.2,
7	9.1,	115.6,	106.7,	-4.1,	-9.7,	8	9.1,	117.8,	113.8,	-6.7,	-0.8,
9	9.1,	116.5,	117.4,	-9.1,	8.1,	10	9.1,	111.6,	117.4,	-11.2,	16.7,
11	9.1,	103.3,	113.9,	-13.0,	24.9,	12	9.1,	91.9,	106.9,	-14.4,	32.2,
13	9.1,	77.7,	96.7,	-15.3,	38.6,	14	9.1,	83.1,	100.7,	-24.1,	42.9,
15	9.1,	96.3,	109.8,	-36.7,	46.8,	16	9.1,	106.7,	115.6,	-48.1,	49.2,
17	9.1,	113.8,	117.8,	-58.1,	50.1,	18	9.1,	117.4,	116.5,	-66.3,	49.6,
19	9.1,	117.4,	111.6,	-72.5,	47.5,	20	9.1,	113.9,	103.3,	-76.5,	44.0,
21	9.1,	106.9,	91.9,	-78.2,	39.1,	22	9.1,	96.7,	77.7,	-77.5,	33.1,
23	9.1,	100.7,	83.1,	-84.4,	26.3,	24	9.1,	109.8,	96.3,	-94.9,	18.2,
25	9.1,	115.6,	106.7,	-102.5,	9.7,	26	9.1,	117.8,	113.8,	-107.0,	0.8,
27	9.1,	116.5,	117.4,	-108.3,	-8.1,	28	9.1,	111.6,	117.4,	-106.2,	-16.7,
29	9.1,	103.3,	113.9,	-100.9,	-24.9,	30	9.1,	91.9,	106.9,	-92.6,	-32.2,
31	9.1,	77.7,	96.7,	-81.4,	-38.6,	32	9.1,	83.1,	100.7,	-76.6,	-42.9,
33	9.1,	96.3,	109.8,	-73.2,	-46.8,	34	9.1,	106.7,	115.6,	-67.5,	-49.2,
35	9.1,	113.8,	117.8,	-59.7,	-50.1,	36	9.1,	117.4,	116.5,	-50.1,	-49.6,

REMAINING STACKS BPIP REPORT OMITTED FROM THIS ATTACHMENT DUE TO LENGTH BUT CAN BE PROVIDED UPON REQUEST

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                                         *** 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 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,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: ..\..\IRW04_C\met data - 182 m\AZUS_V9_ADJU\AZUS_v9.SFC Met Version: 16216
Profile file: ..\..\IRW04_C\met data - 182 m\AZUS_V9_ADJU\AZUS_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

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
12	01	01	1	01	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	20.	9.1	293.1	5.5
12	01	01	1	02	-32.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.36	1.68	1.00	2.70	99.	9.1	293.1	5.5
12	01	01	1	03	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	14.	9.1	292.0	5.5
12	01	01	1	04	-32.6	0.342	-9.000	-9.000	-999.	480.	128.9	0.36	1.68	1.00	2.70	10.	9.1	292.5	5.5
12	01	01	1	05	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	12.	9.1	292.5	5.5
12	01	01	1	06	-21.6	0.224	-9.000	-9.000	-999.	256.	55.2	0.36	1.68	1.00	1.80	118.	9.1	289.2	5.5
12	01	01	1	07	-26.6	0.277	-9.000	-9.000	-999.	349.	84.1	0.36	1.68	1.00	2.20	64.	9.1	290.9	5.5
12	01	01	1	08	-1.3	0.062	-9.000	-9.000	-999.	124.	16.5	0.36	1.68	0.55	0.40	36.	9.1	290.9	5.5
12	01	01	1	09	38.1	0.160	0.348	0.008	39.	153.	-9.5	0.36	1.68	0.32	0.90	124.	9.1	293.8	5.5
12	01	01	1	10	99.5	0.179	0.693	0.007	119.	181.	-5.1	0.36	1.68	0.25	0.90	21.	9.1	298.1	5.5
12	01	01	1	11	142.6	0.494	1.086	0.005	321.	832.	-75.2	0.36	1.68	0.22	3.60	141.	9.1	299.9	5.5
12	01	01	1	12	162.8	0.442	1.385	0.005	582.	709.	-47.3	0.36	1.68	0.21	3.10	122.	9.1	299.9	5.5
12	01	01	1	13	164.4	0.298	1.634	0.005	946.	405.	-14.3	0.36	1.68	0.21	1.80	114.	9.1	300.9	5.5
12	01	01	1	14	142.7	0.293	1.718	0.005	1265.	382.	-15.8	0.36	1.68	0.22	1.80	93.	9.1	302.5	5.5
12	01	01	1	15	96.7	0.283	1.575	0.005	1438.	361.	-20.7	0.36	1.68	0.26	1.80	110.	9.1	303.8	5.5
12	01	01	1	16	41.5	0.207	1.201	0.005	1485.	228.	-18.9	0.36	1.68	0.35	1.30	113.	9.1	304.2	5.5
12	01	01	1	17	-37.8	0.464	-9.000	-9.000	-999.	757.	236.3	0.36	1.68	0.62	3.60	251.	9.1	300.9	5.5
12	01	01	1	18	-26.1	0.277	-9.000	-9.000	-999.	379.	84.2	0.36	1.68	1.00	2.20	8.	9.1	296.4	5.5
12	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.36	1.68	1.00	999.00	999.	-9.0	295.9	5.5
12	01	01	1	20	-5.7	0.107	-9.000	-9.000	-999.	84.	19.3	0.36	1.68	1.00	0.90	35.	9.1	295.4	5.5
12	01	01	1	21	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	213.	9.1	293.8	5.5
12	01	01	1	22	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	52.	9.1	293.8	5.5
12	01	01	1	23	-26.3	0.277	-9.000	-9.000	-999.	349.	84.2	0.36	1.68	1.00	2.20	58.	9.1	293.8	5.5
12	01	01	1	24	-21.4	0.224	-9.000	-9.000	-999.	256.	55.3	0.36	1.68	1.00	1.80	83.	9.1	292.5	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	5.5	0	-999.	-99.00	293.2	99.0	-99.00	-99.00
12	01	01	01	9.1	1	20.	1.80	-999.0	99.0	-99.00	-99.00

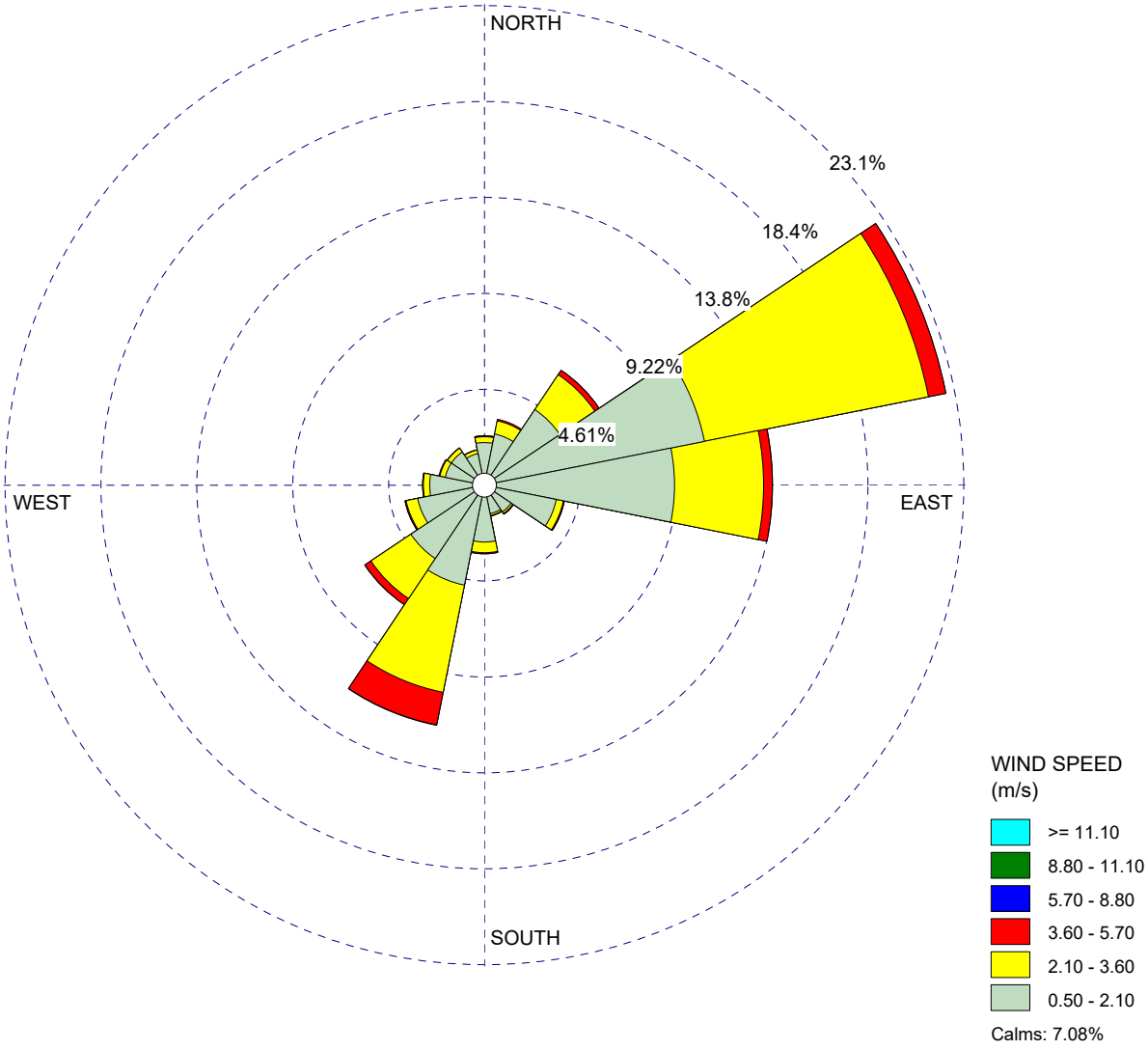
F indicates top of profile (=1) or below (=0)

WIND ROSE PLOT:

Azusa Monitoring Station
2012-2016

DISPLAY:

Wind Speed
Flow Vector (blowing to)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
All Hours	**Start Date: 1/1/2012 - 00:00** **End Date: 12/31/2016 - 23:59**	**PlaceWorks**	
		MODELER: **SB**	
	CALM WINDS: **7.08%**	TOTAL COUNT: **42845 hrs.**	
	AVG. WIND SPEED: **1.67 m/s**	DATE: **5/31/2023**	PROJECT NO.: **IRW-04**

WRPLOT View - Lakes Environmental Software

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B3_IDLE ***
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,
STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 ,
STCK14 , STCK15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	11.26436	410247.56	3773999.13	11.17506
410267.56	3773999.13	11.08282	410287.56	3773999.13	10.98719
410327.56	3773999.13	10.79051	410347.56	3773999.13	10.69116
410367.56	3773999.13	10.58939	410387.56	3773999.13	10.48706
410407.56	3773999.13	10.38331	410427.56	3773999.13	10.27607
410447.56	3773999.13	10.16625	410467.56	3773999.13	10.05485
410487.56	3773999.13	9.94166	410527.56	3773999.13	9.71738
410547.56	3773999.13	9.60529	410567.56	3773999.13	9.49406
410267.56	3774019.13	11.37679	410287.56	3774019.13	11.27558
410327.56	3774019.13	11.06919	410347.56	3774019.13	10.96435
410367.56	3774019.13	10.85631	410387.56	3774019.13	10.74629
410407.56	3774019.13	10.64199	410427.56	3774019.13	10.53100
410447.56	3774019.13	10.41490	410467.56	3774019.13	10.29610
410487.56	3774019.13	10.17609	410529.05	3774026.09	10.00570
410549.05	3774026.09	9.88897	410569.05	3774026.09	9.76722
410287.56	3774039.13	11.57564	410307.56	3774039.13	11.46896
410367.56	3774039.13	11.13067	410387.56	3774039.13	11.01648
410407.56	3774039.13	10.90463	410427.56	3774039.13	10.78621
410447.56	3774039.13	10.66473	410467.56	3774039.13	10.54211
410487.56	3774039.13	10.41585	410307.56	3774059.13	11.77833
410327.56	3774059.13	11.66163	410347.56	3774059.13	11.53959
410387.56	3774059.13	11.29744	410407.56	3774059.13	11.17480
410447.56	3774059.13	10.92172	410467.56	3774059.13	10.79590
410487.56	3774059.13	10.66340	410327.56	3774079.13	11.97183
410347.56	3774079.13	11.84676	410367.56	3774079.13	11.71722
410407.56	3774079.13	11.45343	410447.56	3774079.13	11.18959
410467.56	3774079.13	11.05887	410487.56	3774079.13	10.92039
410530.05	3774073.66	10.55506	410550.05	3774073.66	10.42446
410570.05	3774073.66	10.28991	410367.56	3774099.13	12.02637
410387.56	3774099.13	11.89278	410407.56	3774099.13	11.75073
410447.56	3774099.13	11.46738	410467.56	3774099.13	11.32929
410487.56	3774099.13	11.18610	410507.56	3774099.13	11.03919
410530.05	3774093.66	10.80680	410550.05	3774093.66	10.66842
410570.05	3774093.66	10.52619	410387.56	3774119.13	12.21084
410407.56	3774119.13	12.06269	410427.56	3774119.13	11.90932

410467.56	3774119.13	11.61009	410487.56	3774119.13	11.46088
410507.56	3774119.13	11.31226	410527.56	3774119.13	11.16078
410547.56	3774119.13	11.00754	410567.56	3774119.13	10.85544
410427.56	3774139.13	12.22219	410447.56	3774139.13	12.06452
410467.56	3774139.13	11.90717	410507.56	3774139.13	11.58574

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B3_IDLE ***
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,
STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 ,
STCK14 , STCK15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	11.42779		410547.56	3774139.13	11.26921
410567.56	3774139.13	11.10872		410447.56	3774159.13	12.38176
410467.56	3774159.13	12.21486		410487.56	3774159.13	12.04378
410487.56	3774179.13	12.35652		410507.56	3774179.13	12.17727
410527.56	3774179.13	11.99794		410547.56	3774179.13	11.81887
410567.56	3774179.13	11.64100		410587.56	3774179.13	11.46050
410507.56	3774199.13	12.48594	MEIR	410527.56	3774199.13	12.29745
410547.56	3774199.13	12.10839		410567.56	3774199.13	11.92180
410587.56	3774199.13	11.73160		410220.28	3775328.17	367.76972
410240.28	3775328.17	349.69862		410260.28	3775328.17	329.90733
410200.28	3775348.17	324.88553		410220.28	3775348.17	316.05927
410240.28	3775348.17	306.28843		410260.28	3775348.17	292.85300
410100.28	3775368.17	270.73860		410120.28	3775368.17	273.36442
410140.28	3775368.17	274.25536		410160.28	3775368.17	278.02709
410180.28	3775368.17	276.83471		410200.28	3775368.17	275.56628
410220.28	3775368.17	270.40107		410240.28	3775368.17	263.04790
410260.28	3775368.17	253.87063		410020.28	3775388.17	220.12810
410040.28	3775388.17	227.17539		410060.28	3775388.17	225.54118
410080.28	3775388.17	224.17627		410100.28	3775388.17	225.72730
410120.28	3775388.17	228.70618		410140.28	3775388.17	229.51238
410160.28	3775388.17	231.56431		410180.28	3775388.17	231.72992
410200.28	3775388.17	233.59669		410220.28	3775388.17	230.49506
410240.28	3775388.17	225.32554		410000.28	3775408.17	191.60754
410020.28	3775408.17	191.06139		410040.28	3775408.17	197.69185
410060.28	3775408.17	193.93848		410080.28	3775408.17	193.03230
410100.28	3775408.17	192.17505		410120.28	3775408.17	191.75262
410140.28	3775408.17	194.91173		410160.28	3775408.17	197.09854
410180.28	3775408.17	198.13800		410200.28	3775408.17	197.16418
410220.28	3775408.17	195.30509		410240.28	3775408.17	193.77147
410000.28	3775428.17	170.61628		410020.28	3775428.17	169.05078
410040.28	3775428.17	175.54368		410060.28	3775428.17	170.33849
410080.28	3775428.17	167.39785		410100.28	3775428.17	167.42985
410120.28	3775428.17	166.55284		410140.28	3775428.17	167.64601
410160.28	3775428.17	168.27549		410180.28	3775428.17	170.02814
410200.28	3775428.17	169.78346		410220.28	3775428.17	168.90900

410240.28	3775428.17	165.30524	410020.28	3775448.17	150.73494
410040.28	3775448.17	156.42533	410060.28	3775448.17	150.74927
410080.28	3775448.17	147.65871	410100.28	3775448.17	146.69700
410120.28	3775448.17	146.60226	410140.28	3775448.17	147.76890
410160.28	3775448.17	146.36362	410180.28	3775448.17	144.92553

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B3_IDLE ***
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,
STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 ,
STCK14 , STCK15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	148.10879	410220.28	3775448.17	146.14472
410040.28	3775468.17	133.91498	410060.28	3775468.17	131.88235
410080.28	3775468.17	130.49588	410100.28	3775468.17	129.87241
410120.28	3775468.17	128.99835	410140.28	3775468.17	130.30844
410160.28	3775468.17	129.05558	410180.28	3775468.17	128.24774
410200.28	3775468.17	127.66289	410220.28	3775468.17	126.17234
410060.28	3775488.17	116.74530	410080.28	3775488.17	115.29998
410100.28	3775488.17	114.08772	410120.28	3775488.17	113.54341
410140.28	3775488.17	111.76433	410160.28	3775488.17	111.25679
410180.28	3775488.17	111.25220	410200.28	3775488.17	111.88980
410220.28	3775488.17	109.47373	410080.28	3775508.17	101.83728
410100.28	3775508.17	99.76454	410120.28	3775508.17	100.44298
410140.28	3775508.17	96.76216	410160.28	3775508.17	95.23396
410180.28	3775508.17	96.77665	410200.28	3775508.17	98.69041
410220.28	3775508.17	96.33814	410120.28	3775528.17	90.30764
410140.28	3775528.17	89.15593	410160.28	3775528.17	88.53599
410180.28	3775528.17	88.27160	410200.28	3775528.17	88.61001
410140.28	3775548.17	79.69676	410160.28	3775548.17	79.30672
410180.28	3775548.17	78.83220	410260.01	3775389.35	217.40857

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B2_IDLE ***
INCLUDING SOURCE(S): STCK16 , STCK17 , STCK18 , STCK19 , STCK20 ,
STCK21 , STCK22 , STCK23 , STCK24 , STCK25 , STCK26 , STCK27 , STCK28 ,
STCK29 , STCK30 , STCK31 , STCK32 , STCK33 , STCK34 , STCK35 , STCK36 ,
STCK37 , STCK38 , STCK39 , STCK40 , STCK41 , STCK42 , STCK43 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	144.25600	410247.56	3773999.13	141.67451
410267.56	3773999.13	139.07944	410287.56	3773999.13	136.46455
410327.56	3773999.13	131.30964	410347.56	3773999.13	128.77857
410367.56	3773999.13	126.27683	410387.56	3773999.13	123.82266
410407.56	3773999.13	121.39148	410427.56	3773999.13	118.95212
410447.56	3773999.13	116.52272	410467.56	3773999.13	114.12546
410487.56	3773999.13	111.74951	410527.56	3773999.13	107.20489
410547.56	3773999.13	105.02820	410567.56	3773999.13	102.91279
410267.56	3774019.13	144.61294	410287.56	3774019.13	141.78378
410327.56	3774019.13	136.23540	410347.56	3774019.13	133.51239
410367.56	3774019.13	130.80940	410387.56	3774019.13	128.12306
410407.56	3774019.13	125.61162	410427.56	3774019.13	123.03186
410447.56	3774019.13	120.42294	410467.56	3774019.13	117.82700
410487.56	3774019.13	115.27553	410529.05	3774026.09	111.31846
410549.05	3774026.09	108.99256	410569.05	3774026.09	106.64946
410287.56	3774039.13	147.34334	410307.56	3774039.13	144.39122
410367.56	3774039.13	135.51530	410387.56	3774039.13	132.67601
410407.56	3774039.13	129.94793	410427.56	3774039.13	127.15808
410447.56	3774039.13	124.38365	410467.56	3774039.13	121.64389
410487.56	3774039.13	118.91433	410307.56	3774059.13	150.10688
410327.56	3774059.13	146.87904	410347.56	3774059.13	143.62817
410387.56	3774059.13	137.46249	410407.56	3774059.13	134.44637
410447.56	3774059.13	128.47610	410467.56	3774059.13	125.61633
410487.56	3774059.13	122.69597	410327.56	3774079.13	152.48222
410347.56	3774079.13	149.10479	410367.56	3774079.13	145.71813
410407.56	3774079.13	139.09752	410447.56	3774079.13	132.80125
410467.56	3774079.13	129.76165	410487.56	3774079.13	126.66623
410530.05	3774073.66	119.34901	410550.05	3774073.66	116.65660
410570.05	3774073.66	113.97564	410367.56	3774099.13	151.16108
410387.56	3774099.13	147.69553	410407.56	3774099.13	144.14422
410447.56	3774099.13	137.30538	410467.56	3774099.13	134.05878
410487.56	3774099.13	130.82294	410507.56	3774099.13	127.62471
410530.05	3774093.66	123.11756	410550.05	3774093.66	120.21564
410570.05	3774093.66	117.34346	410387.56	3774119.13	153.21275

410407.56	3774119.13	149.47011	410427.56	3774119.13	145.70354
410467.56	3774119.13	138.56732	410487.56	3774119.13	135.16334
410507.56	3774119.13	131.84193	410527.56	3774119.13	128.54930
410547.56	3774119.13	125.33100	410567.56	3774119.13	122.20175
410427.56	3774139.13	150.98301	410447.56	3774139.13	147.13091
410467.56	3774139.13	143.40845	410507.56	3774139.13	136.14323

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B2_IDLE ***
INCLUDING SOURCE(S): STCK16 , STCK17 , STCK18 , STCK19 , STCK20 ,
STCK21 , STCK22 , STCK23 , STCK24 , STCK25 , STCK26 , STCK27 , STCK28 ,
STCK29 , STCK30 , STCK31 , STCK32 , STCK33 , STCK34 , STCK35 , STCK36 ,
STCK37 , STCK38 , STCK39 , STCK40 , STCK41 , STCK42 , STCK43 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	132.66935		410547.56	3774139.13	129.25959
410567.56	3774139.13	125.92945		410447.56	3774159.13	152.40986
410467.56	3774159.13	148.45272		410487.56	3774159.13	144.51373
410487.56	3774179.13	149.59518		410507.56	3774179.13	145.50936
410527.56	3774179.13	141.51823		410547.56	3774179.13	137.64454
410567.56	3774179.13	133.86096		410587.56	3774179.13	130.21243
410507.56	3774199.13	150.48063	MEIR	410527.56	3774199.13	146.25785
410547.56	3774199.13	142.13892		410567.56	3774199.13	138.08250
410587.56	3774199.13	134.22080		410220.28	3775328.17	399.64442
410240.28	3775328.17	393.91485		410260.28	3775328.17	386.88001
410200.28	3775348.17	372.45763		410220.28	3775348.17	368.56969
410240.28	3775348.17	362.32068		410260.28	3775348.17	354.90821
410100.28	3775368.17	368.50259		410120.28	3775368.17	363.24515
410140.28	3775368.17	355.85105		410160.28	3775368.17	352.24158
410180.28	3775368.17	349.07037		410200.28	3775368.17	344.66325
410220.28	3775368.17	340.12467		410240.28	3775368.17	334.39431
410260.28	3775368.17	327.50807		410020.28	3775388.17	364.66008
410040.28	3775388.17	368.32018		410060.28	3775388.17	358.28807
410080.28	3775388.17	348.78411		410100.28	3775388.17	342.23305
410120.28	3775388.17	335.46980		410140.28	3775388.17	328.50849
410160.28	3775388.17	326.30832		410180.28	3775388.17	324.40707
410200.28	3775388.17	320.64518		410220.28	3775388.17	315.53626
410240.28	3775388.17	310.22930		410000.28	3775408.17	344.93130
410020.28	3775408.17	340.68190		410040.28	3775408.17	345.38055
410060.28	3775408.17	335.12259		410080.28	3775408.17	325.98028
410100.28	3775408.17	318.76624		410120.28	3775408.17	309.44930
410140.28	3775408.17	306.06653		410160.28	3775408.17	304.23463
410180.28	3775408.17	302.63558		410200.28	3775408.17	300.20713
410220.28	3775408.17	295.18906		410240.28	3775408.17	289.34634
410000.28	3775428.17	325.87025		410020.28	3775428.17	321.21772
410040.28	3775428.17	327.26757		410060.28	3775428.17	315.84212
410080.28	3775428.17	306.20379		410100.28	3775428.17	300.01448
410120.28	3775428.17	291.96784		410140.28	3775428.17	290.70136
410160.28	3775428.17	285.24937		410180.28	3775428.17	281.99586

410200.28	3775428.17	282.13781	410220.28	3775428.17	277.80103
410240.28	3775428.17	269.30270	410020.28	3775448.17	303.79587
410040.28	3775448.17	309.55831	410060.28	3775448.17	297.74545
410080.28	3775448.17	288.37308	410100.28	3775448.17	283.48805
410120.28	3775448.17	277.30107	410140.28	3775448.17	277.00525
410160.28	3775448.17	268.94223	410180.28	3775448.17	264.27619

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B2_IDLE ***
INCLUDING SOURCE(S): STCK16 , STCK17 , STCK18 , STCK19 , STCK20 ,
STCK21 , STCK22 , STCK23 , STCK24 , STCK25 , STCK26 , STCK27 , STCK28 ,
STCK29 , STCK30 , STCK31 , STCK32 , STCK33 , STCK34 , STCK35 , STCK36 ,
STCK37 , STCK38 , STCK39 , STCK40 , STCK41 , STCK42 , STCK43 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	265.35058	410220.28	3775448.17	260.57094
410040.28	3775468.17	283.61899	410060.28	3775468.17	277.44437
410080.28	3775468.17	271.97392	410100.28	3775468.17	267.31947
410120.28	3775468.17	261.95045	410140.28	3775468.17	260.64842
410160.28	3775468.17	255.97769	410180.28	3775468.17	251.58335
410200.28	3775468.17	248.17035	410220.28	3775468.17	240.86988
410060.28	3775488.17	260.33865	410080.28	3775488.17	255.16112
410100.28	3775488.17	248.53593	410120.28	3775488.17	245.35146
410140.28	3775488.17	237.58424	410160.28	3775488.17	232.83052
410180.28	3775488.17	231.26766	410200.28	3775488.17	231.63304
410220.28	3775488.17	224.62859	410080.28	3775508.17	238.06733
410100.28	3775508.17	230.33071	410120.28	3775508.17	229.64272
410140.28	3775508.17	217.85365	410160.28	3775508.17	212.59410
410180.28	3775508.17	213.15500	410200.28	3775508.17	217.17524
410220.28	3775508.17	210.57520	410120.28	3775528.17	217.68676
410140.28	3775528.17	213.24538	410160.28	3775528.17	209.73837
410180.28	3775528.17	208.11649	410200.28	3775528.17	207.39084
410140.28	3775548.17	201.35004	410160.28	3775548.17	198.89155
410180.28	3775548.17	196.31184	410260.01	3775389.35	302.65649

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B1_IDLE ***
INCLUDING SOURCE(S): STCK129 , STCK130 , STCK131 , STCK132 , STCK133 ,
STCK134 , STCK135 , STCK136 , STCK137 , STCK138 , STCK139 , STCK140 , STCK141 ,
STCK142 , STCK143 , STCK144 , STCK145 , STCK146 , STCK147 , STCK148 , STCK149 ,
STCK150 , STCK151 , STCK152 , STCK153 , STCK154 , STCK155 , STCK156 , STCK157 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	42.63296	410247.56	3773999.13	41.64569
410267.56	3773999.13	40.69513	410287.56	3773999.13	39.74451
410327.56	3773999.13	37.89488	410347.56	3773999.13	37.00905
410367.56	3773999.13	36.14209	410387.56	3773999.13	35.29505
410407.56	3773999.13	34.46619	410427.56	3773999.13	33.65256
410447.56	3773999.13	32.85479	410467.56	3773999.13	32.07474
410487.56	3773999.13	31.31329	410527.56	3773999.13	29.86431
410547.56	3773999.13	29.17445	410567.56	3773999.13	28.50659
410267.56	3774019.13	42.32919	410287.56	3774019.13	41.29396
410327.56	3774019.13	39.28832	410347.56	3774019.13	38.32390
410367.56	3774019.13	37.37599	410387.56	3774019.13	36.44869
410407.56	3774019.13	35.57858	410427.56	3774019.13	34.71117
410447.56	3774019.13	33.85147	410467.56	3774019.13	33.01156
410487.56	3774019.13	32.19337	410529.05	3774026.09	30.85693
410549.05	3774026.09	30.12015	410569.05	3774026.09	29.39111
410287.56	3774039.13	42.93505	410307.56	3774039.13	41.83613
410367.56	3774039.13	38.66773	410387.56	3774039.13	37.67194
410407.56	3774039.13	36.72513	410427.56	3774039.13	35.78516
410447.56	3774039.13	34.86640	410467.56	3774039.13	33.97688
410487.56	3774039.13	33.10122	410307.56	3774059.13	43.50350
410327.56	3774059.13	42.32570	410347.56	3774059.13	41.16248
410387.56	3774059.13	38.96277	410407.56	3774059.13	37.92154
410447.56	3774059.13	35.92057	410467.56	3774059.13	34.97664
410487.56	3774059.13	34.04187	410327.56	3774079.13	43.96641
410347.56	3774079.13	42.70641	410367.56	3774079.13	41.48793
410407.56	3774079.13	39.16521	410447.56	3774079.13	37.02576
410467.56	3774079.13	36.02146	410487.56	3774079.13	35.02445
410530.05	3774073.66	32.78127	410550.05	3774073.66	31.93480
410570.05	3774073.66	31.10566	410367.56	3774099.13	43.01343
410387.56	3774099.13	41.75374	410407.56	3774099.13	40.51273
410447.56	3774099.13	38.18341	410467.56	3774099.13	37.10595
410487.56	3774099.13	36.04784	410507.56	3774099.13	35.02002
410530.05	3774093.66	33.67463	410550.05	3774093.66	32.77102
410570.05	3774093.66	31.88788	410387.56	3774119.13	43.28204

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        10TH HIGHEST VALUE IS       1.33507 AT (  410327.56,  3774059.13,   120.78,  1648.19,    0.00)  DC
                                            Maximum Sports Park Receptor
ARROWH_E  1ST HIGHEST VALUE IS      36.19524 AT (  410220.28,  3775328.17,   129.20,  1648.19,    0.00)  DC
          2ND HIGHEST VALUE IS      33.32869 AT (  410100.28,  3775368.17,   128.71,  1648.19,    0.00)  DC
          3RD HIGHEST VALUE IS      31.68636 AT (  410240.28,  3775328.17,   129.32,  1648.19,    0.00)  DC
          4TH HIGHEST VALUE IS      30.92685 AT (  410120.28,  3775368.17,   128.94,  1648.19,    0.00)  DC
          5TH HIGHEST VALUE IS      29.50038 AT (  410200.28,  3775348.17,   129.36,  1648.19,    0.00)  DC
          6TH HIGHEST VALUE IS      29.16319 AT (  410020.28,  3775388.17,   127.92,  1648.19,    0.00)  DC
          7TH HIGHEST VALUE IS      28.65635 AT (  410140.28,  3775368.17,   129.38,  1648.19,    0.00)  DC
          8TH HIGHEST VALUE IS      28.20019 AT (  410040.28,  3775388.17,   127.32,  1648.19,    0.00)  DC
          9TH HIGHEST VALUE IS      28.07567 AT (  410260.28,  3775328.17,   129.60,  1648.19,    0.00)  DC
         10TH HIGHEST VALUE IS      27.12199 AT (  410060.28,  3775388.17,   128.06,  1648.19,    0.00)  DC

 *** AERMOD - VERSION 22112  ***   *** Option 2 - Irwindale Gateway Operational HRA                    ***        05/23/23
 *** AERMET - VERSION  16216 ***   *** Irwindale, CA                                                  ***        10:55:33
                                                                                                                PAGE  85
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***


                                 ** CONC OF OTHER    IN MICROGRAMS/M**3                         **

                                                                                                    NETWORK
GROUP ID                       AVERAGE CONC              RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

ARROWH_W  1ST HIGHEST VALUE IS       6.56930 AT (  410000.28,  3775408.17,   127.99,  1648.19,    0.00)  DC
          2ND HIGHEST VALUE IS       6.08436 AT (  410000.28,  3775428.17,   127.98,  1648.19,    0.00)  DC
          3RD HIGHEST VALUE IS       6.05974 AT (  410020.28,  3775388.17,   127.92,  1648.19,    0.00)  DC
          4TH HIGHEST VALUE IS       5.78870 AT (  410020.28,  3775408.17,   128.19,  1648.19,    0.00)  DC
          5TH HIGHEST VALUE IS       5.46166 AT (  410020.28,  3775428.17,   128.23,  1648.19,    0.00)  DC
          6TH HIGHEST VALUE IS       5.29472 AT (  410040.28,  3775388.17,   127.32,  1648.19,    0.00)  DC
          7TH HIGHEST VALUE IS       5.11661 AT (  410020.28,  3775448.17,   128.23,  1648.19,    0.00)  DC
          8TH HIGHEST VALUE IS       5.10531 AT (  410040.28,  3775408.17,   127.52,  1648.19,    0.00)  DC
          9TH HIGHEST VALUE IS       4.86409 AT (  410040.28,  3775428.17,   127.38,  1648.19,    0.00)  DC
         10TH HIGHEST VALUE IS       4.74629 AT (  410060.28,  3775388.17,   128.06,  1648.19,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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410407.56	3774119.13	41.94227	410427.56	3774119.13	40.64165
410467.56	3774119.13	38.23802	410487.56	3774119.13	37.11122
410507.56	3774119.13	36.03696	410527.56	3774119.13	34.99600
410547.56	3774119.13	33.99073	410567.56	3774119.13	33.02889
410427.56	3774139.13	42.03593	410447.56	3774139.13	40.71112
410467.56	3774139.13	39.44708	410507.56	3774139.13	37.06263

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B1_IDLE ***
INCLUDING SOURCE(S): STCK129 , STCK130 , STCK131 , STCK132 , STCK133 ,
STCK134 , STCK135 , STCK136 , STCK137 , STCK138 , STCK139 , STCK140 , STCK141 ,
STCK142 , STCK143 , STCK144 , STCK145 , STCK146 , STCK147 , STCK148 , STCK149 ,
STCK150 , STCK151 , STCK152 , STCK153 , STCK154 , STCK155 , STCK156 , STCK157 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	35.95770		410547.56	3774139.13	34.89306
410567.56	3774139.13	33.86644		410447.56	3774159.13	42.07335
410467.56	3774159.13	40.71381		410487.56	3774159.13	39.39586
410487.56	3774179.13	40.63750		410507.56	3774179.13	39.29540
410527.56	3774179.13	38.02135		410547.56	3774179.13	36.78505
410567.56	3774179.13	35.57922		410587.56	3774179.13	34.49428
410507.56	3774199.13	40.47270	MEIR	410527.56	3774199.13	39.10447
410547.56	3774199.13	37.76888		410567.56	3774199.13	36.41804
410587.56	3774199.13	35.28274		410220.28	3775328.17	50.04952
410240.28	3775328.17	49.24677		410260.28	3775328.17	48.28398
410200.28	3775348.17	47.62851		410220.28	3775348.17	47.08185
410240.28	3775348.17	46.18243		410260.28	3775348.17	45.17700
410100.28	3775368.17	48.58215		410120.28	3775368.17	47.71611
410140.28	3775368.17	46.56239		410160.28	3775368.17	45.96410
410180.28	3775368.17	45.42301		410200.28	3775368.17	44.77967
410220.28	3775368.17	44.15158		410240.28	3775368.17	43.38892
410260.28	3775368.17	42.49250		410020.28	3775388.17	49.04553
410040.28	3775388.17	49.75800		410060.28	3775388.17	47.94110
410080.28	3775388.17	46.49198		410100.28	3775388.17	45.48352
410120.28	3775388.17	44.47966		410140.28	3775388.17	43.44499
410160.28	3775388.17	43.08852		410180.28	3775388.17	42.79737
410200.28	3775388.17	42.27449		410220.28	3775388.17	41.59390
410240.28	3775388.17	40.91273		410000.28	3775408.17	46.66311
410020.28	3775408.17	45.97819		410040.28	3775408.17	46.78065
410060.28	3775408.17	45.08589		410080.28	3775408.17	43.74149
410100.28	3775408.17	42.69393		410120.28	3775408.17	41.38301
410140.28	3775408.17	40.88738		410160.28	3775408.17	40.62866
410180.28	3775408.17	40.42464		410200.28	3775408.17	40.13137
410220.28	3775408.17	39.49907		410240.28	3775408.17	38.75292
410000.28	3775428.17	44.28732		410020.28	3775428.17	43.56193
410040.28	3775428.17	44.65679		410060.28	3775428.17	42.74008
410080.28	3775428.17	41.36843		410100.28	3775428.17	40.50030
410120.28	3775428.17	39.39537		410140.28	3775428.17	39.22951
410160.28	3775428.17	38.50056		410180.28	3775428.17	38.09759

410200.28	3775428.17	38.20567	410220.28	3775428.17	37.69407
410240.28	3775428.17	36.56114	410020.28	3775448.17	41.41894
410040.28	3775448.17	42.49623	410060.28	3775448.17	40.53779
410080.28	3775448.17	39.22187	410100.28	3775448.17	38.56942
410120.28	3775448.17	37.73963	410140.28	3775448.17	37.74521
410160.28	3775448.17	36.68428	410180.28	3775448.17	36.10186

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B1_IDLE ***
INCLUDING SOURCE(S): STCK129 , STCK130 , STCK131 , STCK132 , STCK133 ,
STCK134 , STCK135 , STCK136 , STCK137 , STCK138 , STCK139 , STCK140 , STCK141 ,
STCK142 , STCK143 , STCK144 , STCK145 , STCK146 , STCK147 , STCK148 , STCK149 ,
STCK150 , STCK151 , STCK152 , STCK153 , STCK154 , STCK155 , STCK156 , STCK157 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	36.35771	410220.28	3775448.17	35.80659
410040.28	3775468.17	38.86240	410060.28	3775468.17	37.99881
410080.28	3775468.17	37.26149	410100.28	3775468.17	36.65060
410120.28	3775468.17	35.95497	410140.28	3775468.17	35.84265
410160.28	3775468.17	35.27084	410180.28	3775468.17	34.75081
410200.28	3775468.17	34.37503	410220.28	3775468.17	33.44542
410060.28	3775488.17	35.90745	410080.28	3775488.17	35.22000
410100.28	3775488.17	34.35313	410120.28	3775488.17	33.98112
410140.28	3775488.17	32.96887	410160.28	3775488.17	32.37928
410180.28	3775488.17	32.25541	410200.28	3775488.17	32.42779
410220.28	3775488.17	31.53978	410080.28	3775508.17	33.13139
410100.28	3775508.17	32.12233	410120.28	3775508.17	32.09302
410140.28	3775508.17	30.52284	410160.28	3775508.17	29.85539
410180.28	3775508.17	30.03430	410200.28	3775508.17	30.72728
410220.28	3775508.17	29.90369	410120.28	3775528.17	30.70482
410140.28	3775528.17	30.16344	410160.28	3775528.17	29.76620
410180.28	3775528.17	29.64692	410200.28	3775528.17	29.66823
410140.28	3775548.17	28.76446	410160.28	3775548.17	28.51513
410180.28	3775548.17	28.25665	410260.01	3775389.35	39.96750

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TR_RUNEX ***
INCLUDING SOURCE(S): PAREA3 , PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.97068	410247.56	3773999.13	0.93822
410267.56	3773999.13	0.90766	410287.56	3773999.13	0.87893
410327.56	3773999.13	0.82687	410347.56	3773999.13	0.80338
410367.56	3773999.13	0.78147	410387.56	3773999.13	0.76106
410407.56	3773999.13	0.74207	410427.56	3773999.13	0.72437
410447.56	3773999.13	0.70789	410467.56	3773999.13	0.69256
410487.56	3773999.13	0.67830	410527.56	3773999.13	0.65263
410547.56	3773999.13	0.64107	410567.56	3773999.13	0.63026
410267.56	3774019.13	0.93785	410287.56	3774019.13	0.90795
410327.56	3774019.13	0.85388	410347.56	3774019.13	0.82955
410367.56	3774019.13	0.80686	410387.56	3774019.13	0.78575
410407.56	3774019.13	0.76619	410427.56	3774019.13	0.74794
410447.56	3774019.13	0.73095	410467.56	3774019.13	0.71517
410487.56	3774019.13	0.70049	410529.05	3774026.09	0.68096
410549.05	3774026.09	0.66903	410569.05	3774026.09	0.65787
410287.56	3774039.13	0.93876	410307.56	3774039.13	0.90970
410367.56	3774039.13	0.83385	410387.56	3774039.13	0.81202
410407.56	3774039.13	0.79182	410427.56	3774039.13	0.77298
410447.56	3774039.13	0.75549	410467.56	3774039.13	0.73921
410487.56	3774039.13	0.72411	410307.56	3774059.13	0.94135
410327.56	3774059.13	0.91318	410347.56	3774059.13	0.88695
410387.56	3774059.13	0.84006	410407.56	3774059.13	0.81912
410447.56	3774059.13	0.78164	410467.56	3774059.13	0.76489
410487.56	3774059.13	0.74931	410327.56	3774079.13	0.94579
410347.56	3774079.13	0.91861	410367.56	3774079.13	0.89336
410407.56	3774079.13	0.84831	410447.56	3774079.13	0.80961
410467.56	3774079.13	0.79232	410487.56	3774079.13	0.77625
410530.05	3774073.66	0.73844	410550.05	3774073.66	0.72565
410570.05	3774073.66	0.71366	410367.56	3774099.13	0.92627
410387.56	3774099.13	0.90210	410407.56	3774099.13	0.87962
410447.56	3774099.13	0.83957	410467.56	3774099.13	0.82170
410487.56	3774099.13	0.80508	410507.56	3774099.13	0.78965
410530.05	3774093.66	0.76573	410550.05	3774093.66	0.75246
410570.05	3774093.66	0.74008	410387.56	3774119.13	0.93653
410407.56	3774119.13	0.91326	410427.56	3774119.13	0.89170
410467.56	3774119.13	0.85323	410487.56	3774119.13	0.83601
410507.56	3774119.13	0.81995	410527.56	3774119.13	0.80501

410547.56	3774119.13	0.79108	410567.56	3774119.13	0.77803
410427.56	3774139.13	0.92703	410447.56	3774139.13	0.90633
410467.56	3774139.13	0.88710	410507.56	3774139.13	0.85263

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TR_RUNEX ***
INCLUDING SOURCE(S): PAREA3 , PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	0.83709		410547.56	3774139.13	0.82257
410567.56	3774139.13	0.80899		410447.56	3774159.13	0.94360
410467.56	3774159.13	0.92356		410487.56	3774159.13	0.90501
410487.56	3774179.13	0.94349		410507.56	3774179.13	0.92544
410527.56	3774179.13	0.90859		410547.56	3774179.13	0.89279
410567.56	3774179.13	0.87794		410587.56	3774179.13	0.86403
410507.56	3774199.13	0.96625	MEIR	410527.56	3774199.13	0.94855
410547.56	3774199.13	0.93197		410567.56	3774199.13	0.91634
410587.56	3774199.13	0.90166		410220.28	3775328.17	3.37097
410240.28	3775328.17	3.36846		410260.28	3775328.17	3.35655
410200.28	3775348.17	2.95955		410220.28	3775348.17	2.97871
410240.28	3775348.17	2.98269		410260.28	3775348.17	2.97803
410100.28	3775368.17	2.43039		410120.28	3775368.17	2.47894
410140.28	3775368.17	2.51210		410160.28	3775368.17	2.54928
410180.28	3775368.17	2.58274		410200.28	3775368.17	2.60853
410220.28	3775368.17	2.63117		410240.28	3775368.17	2.64575
410260.28	3775368.17	2.65157		410020.28	3775388.17	1.85060
410040.28	3775388.17	1.93807		410060.28	3775388.17	1.99851
410080.28	3775388.17	2.05305		410100.28	3775388.17	2.10673
410120.28	3775388.17	2.15250		410140.28	3775388.17	2.18973
410160.28	3775388.17	2.23450		410180.28	3775388.17	2.27635
410200.28	3775388.17	2.30908		410220.28	3775388.17	2.33372
410240.28	3775388.17	2.35458		410000.28	3775408.17	1.54903
410020.28	3775408.17	1.61209		410040.28	3775408.17	1.68983
410060.28	3775408.17	1.74189		410080.28	3775408.17	1.79197
410100.28	3775408.17	1.84069		410120.28	3775408.17	1.87926
410140.28	3775408.17	1.92524		410160.28	3775408.17	1.97124
410180.28	3775408.17	2.01525		410200.28	3775408.17	2.05442
410220.28	3775408.17	2.08248		410240.28	3775408.17	2.10416
410000.28	3775428.17	1.37145		410020.28	3775428.17	1.42334
410040.28	3775428.17	1.49207		410060.28	3775428.17	1.53529
410080.28	3775428.17	1.57883		410100.28	3775428.17	1.62504
410120.28	3775428.17	1.66403		410140.28	3775428.17	1.71317
410160.28	3775428.17	1.74995		410180.28	3775428.17	1.78871
410200.28	3775428.17	1.83535		410220.28	3775428.17	1.86693
410240.28	3775428.17	1.88050		410020.28	3775448.17	1.26945
410040.28	3775448.17	1.32823		410060.28	3775448.17	1.36419

410080.28	3775448.17	1.40236	410100.28	3775448.17	1.44581
410120.28	3775448.17	1.48495	410140.28	3775448.17	1.53322
410160.28	3775448.17	1.56315	410180.28	3775448.17	1.59734

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TR_RUNEX ***
INCLUDING SOURCE(S): PAREA3 , PAREA1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	1.64423	410220.28	3775448.17	1.67434
410040.28	3775468.17	1.18015	410060.28	3775468.17	1.21697
410080.28	3775468.17	1.25484	410100.28	3775468.17	1.29344
410120.28	3775468.17	1.32991	410140.28	3775468.17	1.37222
410160.28	3775468.17	1.40698	410180.28	3775468.17	1.44042
410200.28	3775468.17	1.47411	410220.28	3775468.17	1.49569
410060.28	3775488.17	1.09567	410080.28	3775488.17	1.12836
410100.28	3775488.17	1.15915	410120.28	3775488.17	1.19437
410140.28	3775488.17	1.22133	410160.28	3775488.17	1.25135
410180.28	3775488.17	1.28649	410200.28	3775488.17	1.32537
410220.28	3775488.17	1.34593	410080.28	3775508.17	1.01934
410100.28	3775508.17	1.04413	410120.28	3775508.17	1.07821
410140.28	3775508.17	1.09475	410160.28	3775508.17	1.05847
410180.28	3775508.17	1.15510	410200.28	3775508.17	1.19805
410220.28	3775508.17	1.21784	410120.28	3775528.17	0.98201
410140.28	3775528.17	1.00741	410160.28	3775528.17	1.03387
410180.28	3775528.17	1.06328	410200.28	3775528.17	1.09430
410140.28	3775548.17	0.92006	410160.28	3775548.17	0.94516
410180.28	3775548.17	0.97010	410260.01	3775389.35	2.35187

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: YARD_EMS ***
INCLUDING SOURCE(S): PAREA4 , PAREA5 , PAREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.88246	410247.56	3773999.13	0.85445
410267.56	3773999.13	0.82801	410287.56	3773999.13	0.80312
410327.56	3773999.13	0.75782	410347.56	3773999.13	0.73732
410367.56	3773999.13	0.71814	410387.56	3773999.13	0.70022
410407.56	3773999.13	0.68348	410427.56	3773999.13	0.66784
410447.56	3773999.13	0.65325	410467.56	3773999.13	0.63965
410487.56	3773999.13	0.62697	410527.56	3773999.13	0.60407
410547.56	3773999.13	0.59373	410567.56	3773999.13	0.58406
410267.56	3774019.13	0.85362	410287.56	3774019.13	0.82778
410327.56	3774019.13	0.78087	410347.56	3774019.13	0.75967
410367.56	3774019.13	0.73986	410387.56	3774019.13	0.72136
410407.56	3774019.13	0.70413	410427.56	3774019.13	0.68807
410447.56	3774019.13	0.67308	410467.56	3774019.13	0.65911
410487.56	3774019.13	0.64607	410529.05	3774026.09	0.62847
410549.05	3774026.09	0.61786	410569.05	3774026.09	0.60791
410287.56	3774039.13	0.85383	410307.56	3774039.13	0.82873
410367.56	3774039.13	0.76281	410387.56	3774039.13	0.74373
410407.56	3774039.13	0.72600	410427.56	3774039.13	0.70945
410447.56	3774039.13	0.69405	410467.56	3774039.13	0.67970
410487.56	3774039.13	0.66633	410307.56	3774059.13	0.85540
410327.56	3774059.13	0.83105	410347.56	3774059.13	0.80832
410387.56	3774059.13	0.76748	410407.56	3774059.13	0.74916
410447.56	3774059.13	0.71629	410467.56	3774059.13	0.70157
410487.56	3774059.13	0.68783	410327.56	3774079.13	0.85840
410347.56	3774079.13	0.83489	410367.56	3774079.13	0.81301
410407.56	3774079.13	0.77380	410447.56	3774079.13	0.73996
410467.56	3774079.13	0.72482	410487.56	3774079.13	0.71069
410530.05	3774073.66	0.67762	410550.05	3774073.66	0.66639
410570.05	3774073.66	0.65584	410367.56	3774099.13	0.84053
410387.56	3774099.13	0.81956	410407.56	3774099.13	0.80005
410447.56	3774099.13	0.76516	410467.56	3774099.13	0.74957
410487.56	3774099.13	0.73506	410507.56	3774099.13	0.72153
410530.05	3774093.66	0.70083	410550.05	3774093.66	0.68925
410570.05	3774093.66	0.67842	410387.56	3774119.13	0.84820
410407.56	3774119.13	0.82808	410427.56	3774119.13	0.80939
410467.56	3774119.13	0.77599	410487.56	3774119.13	0.76104
410507.56	3774119.13	0.74714	410527.56	3774119.13	0.73416

410547.56	3774119.13	0.72204	410567.56	3774119.13	0.71069
410427.56	3774139.13	0.83871	410447.56	3774139.13	0.82084
410467.56	3774139.13	0.80425	410507.56	3774139.13	0.77447

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: YARD_EMS ***
INCLUDING SOURCE(S): PAREA4 , PAREA5 , PAREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	0.76109	410547.56	3774139.13	0.74858
410567.56	3774139.13	0.73686	410447.56	3774159.13	0.85165
410467.56	3774159.13	0.83450	410487.56	3774159.13	0.81857
410487.56	3774179.13	0.85047	410507.56	3774179.13	0.83511
410527.56	3774179.13	0.82077	410547.56	3774179.13	0.80735
410567.56	3774179.13	0.79474	410587.56	3774179.13	0.78289
410507.56	3774199.13	0.86877 MEIR	410527.56	3774199.13	0.85388
410547.56	3774199.13	0.83992	410567.56	3774199.13	0.82681
410587.56	3774199.13	0.81443	410220.28	3775328.17	3.91008
410240.28	3775328.17	3.91811	410260.28	3775328.17	3.91479
410200.28	3775348.17	3.43645	410220.28	3775348.17	3.46877
410240.28	3775348.17	3.48835	410260.28	3775348.17	3.49776
410100.28	3775368.17	2.75538	410120.28	3775368.17	2.82418
410140.28	3775368.17	2.88366	410160.28	3775368.17	2.94239
410180.28	3775368.17	2.99559	410200.28	3775368.17	3.04086
410220.28	3775368.17	3.07966	410240.28	3775368.17	3.10960
410260.28	3775368.17	3.13021	410020.28	3775388.17	2.07736
410040.28	3775388.17	2.17769	410060.28	3775388.17	2.25433
410080.28	3775388.17	2.32810	410100.28	3775388.17	2.40016
410120.28	3775388.17	2.46686	410140.28	3775388.17	2.52791
410160.28	3775388.17	2.59040	410180.28	3775388.17	2.64838
410200.28	3775388.17	2.69853	410220.28	3775388.17	2.74100
410240.28	3775388.17	2.77736	410000.28	3775408.17	1.73044
410020.28	3775408.17	1.80949	410040.28	3775408.17	1.89790
410060.28	3775408.17	1.96760	410080.28	3775408.17	2.03638
410100.28	3775408.17	2.10364	410120.28	3775408.17	2.16476
410140.28	3775408.17	2.22855	410160.28	3775408.17	2.29062
410180.28	3775408.17	2.34928	410200.28	3775408.17	2.40271
410220.28	3775408.17	2.44789	410240.28	3775408.17	2.48669
410000.28	3775428.17	1.52879	410020.28	3775428.17	1.59497
410040.28	3775428.17	1.67319	410060.28	3775428.17	1.73325
410080.28	3775428.17	1.79490	410100.28	3775428.17	1.85776
410120.28	3775428.17	1.91634	410140.28	3775428.17	1.97931
410160.28	3775428.17	2.03486	410180.28	3775428.17	2.08981
410200.28	3775428.17	2.14611	410220.28	3775428.17	2.19290
410240.28	3775428.17	2.21668	410020.28	3775448.17	1.41952
410040.28	3775448.17	1.48669	410060.28	3775448.17	1.53855

410080.28	3775448.17	1.59342	410100.28	3775448.17	1.65135
410120.28	3775448.17	1.70686	410140.28	3775448.17	1.76651
410160.28	3775448.17	1.81629	410180.28	3775448.17	1.86711

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: YARD_EMS ***
INCLUDING SOURCE(S): PAREA4 , PAREA5 , PAREA6 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	1.92234	410220.28	3775448.17	1.96779
410040.28	3775468.17	1.32351	410060.28	3775468.17	1.37320
410080.28	3775468.17	1.42423	410100.28	3775468.17	1.47604
410120.28	3775468.17	1.52692	410140.28	3775468.17	1.58063
410160.28	3775468.17	1.63014	410180.28	3775468.17	1.67832
410200.28	3775468.17	1.72559	410220.28	3775468.17	1.72999
410060.28	3775488.17	1.23542	410080.28	3775488.17	1.28004
410100.28	3775488.17	1.32434	410120.28	3775488.17	1.37141
410140.28	3775488.17	1.35304	410160.28	3775488.17	1.39909
410180.28	3775488.17	1.45229	410200.28	3775488.17	1.50938
410220.28	3775488.17	1.54895	410080.28	3775508.17	1.15654
410100.28	3775508.17	1.13669	410120.28	3775508.17	1.18164
410140.28	3775508.17	1.12557	410160.28	3775508.17	1.14985
410180.28	3775508.17	1.19720	410200.28	3775508.17	1.35737
410220.28	3775508.17	1.28147	410120.28	3775528.17	1.07403
410140.28	3775528.17	1.10878	410160.28	3775528.17	1.14630
410180.28	3775528.17	1.18844	410200.28	3775528.17	1.23308
410140.28	3775548.17	1.01019	410160.28	3775548.17	1.04458
410180.28	3775548.17	1.07997	410260.01	3775389.35	2.78736

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	3.89600	410247.56	3773999.13	3.90108
410267.56	3773999.13	3.89858	410287.56	3773999.13	3.88834
410327.56	3773999.13	3.84562	410347.56	3773999.13	3.81363
410367.56	3773999.13	3.77440	410387.56	3773999.13	3.72851
410407.56	3773999.13	3.67605	410427.56	3773999.13	3.61701
410447.56	3773999.13	3.55196	410467.56	3773999.13	3.48150
410487.56	3773999.13	3.40607	410527.56	3773999.13	3.24380
410547.56	3773999.13	3.15793	410567.56	3773999.13	3.06980
410267.56	3774019.13	4.19021	410287.56	3774019.13	4.17934
410327.56	3774019.13	4.13270	410347.56	3774019.13	4.09718
410367.56	3774019.13	4.05332	410387.56	3774019.13	4.00160
410407.56	3774019.13	3.94380	410427.56	3774019.13	3.87790
410447.56	3774019.13	3.80475	410467.56	3774019.13	3.72529
410487.56	3774019.13	3.64032	410529.05	3774026.09	3.52939
410549.05	3774026.09	3.42897	410569.05	3774026.09	3.32508
410287.56	3774039.13	4.50608	410307.56	3774039.13	4.48552
410367.56	3774039.13	4.36586	410387.56	3774039.13	4.30832
410407.56	3774039.13	4.24306	410427.56	3774039.13	4.16869
410447.56	3774039.13	4.08643	410467.56	3774039.13	3.99727
410487.56	3774039.13	3.90137	410307.56	3774059.13	4.85326
410327.56	3774059.13	4.81951	410347.56	3774059.13	4.77428
410387.56	3774059.13	4.65449	410407.56	3774059.13	4.57999
410447.56	3774059.13	4.40310	410467.56	3774059.13	4.30288
410487.56	3774059.13	4.19433	410327.56	3774079.13	5.23215
410347.56	3774079.13	5.18258	410367.56	3774079.13	5.12031
410407.56	3774079.13	4.96158	410447.56	3774079.13	4.76198
410467.56	3774079.13	4.64862	410487.56	3774079.13	4.52536
410530.05	3774073.66	4.15571	410550.05	3774073.66	4.02022
410570.05	3774073.66	3.88050	410367.56	3774099.13	5.57818
410387.56	3774099.13	5.49620	410407.56	3774099.13	5.39940
410447.56	3774099.13	5.17105	410467.56	3774099.13	5.04183
410487.56	3774099.13	4.90170	410507.56	3774099.13	4.75227
410530.05	3774093.66	4.48039	410550.05	3774093.66	4.32506
410570.05	3774093.66	4.16507	410387.56	3774119.13	6.01349

410407.56	3774119.13	5.90403	410427.56	3774119.13	5.77909
410467.56	3774119.13	5.49311	410487.56	3774119.13	5.33282
410507.56	3774119.13	5.16260	410527.56	3774119.13	4.98314
410547.56	3774119.13	4.79650	410567.56	3774119.13	4.60531
410427.56	3774139.13	6.34549	410447.56	3774139.13	6.18872
410467.56	3774139.13	6.01743	410507.56	3774139.13	5.63350

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC	
410527.56	3774139.13	5.42606		410547.56	3774139.13	5.21016	
410567.56	3774139.13	4.98804		410447.56	3774159.13	6.82858	
410467.56	3774159.13	6.63039		410487.56	3774159.13	6.41422	
410487.56	3774179.13	7.10489		410507.56	3774179.13	6.83480	
410527.56	3774179.13	6.54851		410547.56	3774179.13	6.24946	
410567.56	3774179.13	5.94190		410587.56	3774179.13	5.62953	
410507.56	3774199.13	7.61132	MEIR	410527.56	3774199.13	7.27185	
410547.56	3774199.13	6.91505		410567.56	3774199.13	6.54738	
410587.56	3774199.13	6.17353		410220.28	3775328.17	1.18225	Max Sports Park Rec
410240.28	3775328.17	1.17772		410260.28	3775328.17	1.16594	
410200.28	3775348.17	1.13655		410220.28	3775348.17	1.13705	
410240.28	3775348.17	1.12667		410260.28	3775348.17	1.10684	
410100.28	3775368.17	1.10798		410120.28	3775368.17	1.10460	
410140.28	3775368.17	1.09337		410160.28	3775368.17	1.09236	
410180.28	3775368.17	1.09346		410200.28	3775368.17	1.08882	
410220.28	3775368.17	1.08575		410240.28	3775368.17	1.07417	
410260.28	3775368.17	1.06254		410020.28	3775388.17	1.07612	
410040.28	3775388.17	1.09475		410060.28	3775388.17	1.07891	
410080.28	3775388.17	1.06772		410100.28	3775388.17	1.06146	
410120.28	3775388.17	1.05188		410140.28	3775388.17	1.03531	
410160.28	3775388.17	1.03995		410180.28	3775388.17	1.04852	
410200.28	3775388.17	1.04670		410220.28	3775388.17	1.03840	
410240.28	3775388.17	1.03094		410000.28	3775408.17	1.03108	
410020.28	3775408.17	1.03093		410040.28	3775408.17	1.05572	
410060.28	3775408.17	1.03781		410080.28	3775408.17	1.02875	
410100.28	3775408.17	1.01728		410120.28	3775408.17	0.99486	
410140.28	3775408.17	0.99390		410160.28	3775408.17	0.99900	
410180.28	3775408.17	1.00629		410200.28	3775408.17	1.01204	
410220.28	3775408.17	1.00403		410240.28	3775408.17	0.99508	
410000.28	3775428.17	0.99833		410020.28	3775428.17	0.99595	
410040.28	3775428.17	1.02454		410060.28	3775428.17	1.00223	
410080.28	3775428.17	0.99045		410100.28	3775428.17	0.98392	
410120.28	3775428.17	0.96368		410140.28	3775428.17	0.97135	
410160.28	3775428.17	0.96344		410180.28	3775428.17	0.96394	

410200.28	3775428.17	0.98128	410220.28	3775428.17	0.97467
410240.28	3775428.17	0.95691	410020.28	3775448.17	0.96471
410040.28	3775448.17	0.99226	410060.28	3775448.17	0.96990
410080.28	3775448.17	0.95809	410100.28	3775448.17	0.95295
410120.28	3775448.17	0.93908	410140.28	3775448.17	0.95456
410160.28	3775448.17	0.93290	410180.28	3775448.17	0.93026

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	0.94592	410220.28	3775448.17	0.94009
410040.28	3775468.17	0.93577	410060.28	3775468.17	0.93263
410080.28	3775468.17	0.92400	410100.28	3775468.17	0.92054
410120.28	3775468.17	0.90939	410140.28	3775468.17	0.91976
410160.28	3775468.17	0.91036	410180.28	3775468.17	0.90714
410200.28	3775468.17	0.90690	410220.28	3775468.17	0.89480
410060.28	3775488.17	0.89651	410080.28	3775488.17	0.88923
410100.28	3775488.17	0.87322	410120.28	3775488.17	0.87248
410140.28	3775488.17	0.86231	410160.28	3775488.17	0.85737
410180.28	3775488.17	0.86108	410200.28	3775488.17	0.87014
410220.28	3775488.17	0.85794	410080.28	3775508.17	0.84503
410100.28	3775508.17	0.83452	410120.28	3775508.17	0.83995
410140.28	3775508.17	0.81487	410160.28	3775508.17	0.80425
410180.28	3775508.17	0.81597	410200.28	3775508.17	0.83751
410220.28	3775508.17	0.82492	410120.28	3775528.17	0.81440
410140.28	3775528.17	0.81025	410160.28	3775528.17	0.80804
410180.28	3775528.17	0.81102	410200.28	3775528.17	0.81653
410140.28	3775548.17	0.78313	410160.28	3775548.17	0.78335
410180.28	3775548.17	0.78309	410260.01	3775389.35	1.02109

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKW ***
INCLUDING SOURCE(S): L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
L0000078 , L0000079 , L0000080 , L0000081 , L0000082 , L0000083 , L0000084 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.62219	410247.56	3773999.13	0.61043
410267.56	3773999.13	0.59896	410287.56	3773999.13	0.58777
410327.56	3773999.13	0.56536	410347.56	3773999.13	0.55403
410367.56	3773999.13	0.54381	410387.56	3773999.13	0.53115
410407.56	3773999.13	0.51664	410427.56	3773999.13	0.50612
410447.56	3773999.13	0.49699	410467.56	3773999.13	0.48818
410487.56	3773999.13	0.47973	410527.56	3773999.13	0.46284
410547.56	3773999.13	0.45366	410567.56	3773999.13	0.44444
410267.56	3774019.13	0.60807	410287.56	3774019.13	0.59651
410327.56	3774019.13	0.57244	410347.56	3774019.13	0.56162
410367.56	3774019.13	0.55020	410387.56	3774019.13	0.53630
410407.56	3774019.13	0.52151	410427.56	3774019.13	0.50926
410447.56	3774019.13	0.49998	410467.56	3774019.13	0.49124
410487.56	3774019.13	0.48376	410529.05	3774026.09	0.46820
410549.05	3774026.09	0.45725	410569.05	3774026.09	0.44924
410287.56	3774039.13	0.60449	410307.56	3774039.13	0.59187
410367.56	3774039.13	0.55766	410387.56	3774039.13	0.54324
410407.56	3774039.13	0.52722	410427.56	3774039.13	0.51592
410447.56	3774039.13	0.50625	410467.56	3774039.13	0.49582
410487.56	3774039.13	0.48818	410307.56	3774059.13	0.60028
410327.56	3774059.13	0.58755	410347.56	3774059.13	0.57622
410387.56	3774059.13	0.54732	410407.56	3774059.13	0.53541
410447.56	3774059.13	0.51290	410467.56	3774059.13	0.50164
410487.56	3774059.13	0.49270	410327.56	3774079.13	0.59585
410347.56	3774079.13	0.58010	410367.56	3774079.13	0.56869
410407.56	3774079.13	0.54388	410447.56	3774079.13	0.52041
410467.56	3774079.13	0.50753	410487.56	3774079.13	0.49816
410530.05	3774073.66	0.47914	410550.05	3774073.66	0.46742
410570.05	3774073.66	0.45758	410367.56	3774099.13	0.57631
410387.56	3774099.13	0.56032	410407.56	3774099.13	0.54941
410447.56	3774099.13	0.52696	410467.56	3774099.13	0.51383
410487.56	3774099.13	0.50268	410507.56	3774099.13	0.49448
410530.05	3774093.66	0.48157	410550.05	3774093.66	0.47065
410570.05	3774093.66	0.45960	410387.56	3774119.13	0.56718

410407.56	3774119.13	0.55458	410427.56	3774119.13	0.54396
410467.56	3774119.13	0.52012	410487.56	3774119.13	0.50841
410507.56	3774119.13	0.49677	410527.56	3774119.13	0.48468
410547.56	3774119.13	0.47545	410567.56	3774119.13	0.46517
410427.56	3774139.13	0.54925	410447.56	3774139.13	0.53680
410467.56	3774139.13	0.52449	410507.56	3774139.13	0.50388

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKW ***
INCLUDING SOURCE(S): L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
L0000078 , L0000079 , L0000080 , L0000081 , L0000082 , L0000083 , L0000084 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC	
410527.56	3774139.13	0.49019		410547.56	3774139.13	0.47899	
410567.56	3774139.13	0.46852		410447.56	3774159.13	0.54270	
410467.56	3774159.13	0.53013		410487.56	3774159.13	0.51961	
410487.56	3774179.13	0.52099		410507.56	3774179.13	0.50902	
410527.56	3774179.13	0.49746		410547.56	3774179.13	0.48624	
410567.56	3774179.13	0.47395		410587.56	3774179.13	0.46777	
410507.56	3774199.13	0.51465	MEIR	410527.56	3774199.13	0.50132	
410547.56	3774199.13	0.48983		410567.56	3774199.13	0.47817	
410587.56	3774199.13	0.46943		410220.28	3775328.17	1.16152	Max Sports Park Rec
410240.28	3775328.17	1.14086		410260.28	3775328.17	1.12517	
410200.28	3775348.17	1.16551		410220.28	3775348.17	1.14133	
410240.28	3775348.17	1.12551		410260.28	3775348.17	1.11433	
410100.28	3775368.17	1.24192		410120.28	3775368.17	1.22226	
410140.28	3775368.17	1.20861		410160.28	3775368.17	1.18712	
410180.28	3775368.17	1.16467		410200.28	3775368.17	1.14489	
410220.28	3775368.17	1.12509		410240.28	3775368.17	1.10920	
410260.28	3775368.17	1.09818		410020.28	3775388.17	1.29316	
410040.28	3775388.17	1.25724		410060.28	3775388.17	1.24557	
410080.28	3775388.17	1.23216		410100.28	3775388.17	1.21557	
410120.28	3775388.17	1.20118		410140.28	3775388.17	1.18893	
410160.28	3775388.17	1.16559		410180.28	3775388.17	1.14126	
410200.28	3775388.17	1.12135		410220.28	3775388.17	1.10530	
410240.28	3775388.17	1.09015		410000.28	3775408.17	1.28098	
410020.28	3775408.17	1.25980		410040.28	3775408.17	1.22608	
410060.28	3775408.17	1.21468		410080.28	3775408.17	1.20200	
410100.28	3775408.17	1.18867		410120.28	3775408.17	1.18146	
410140.28	3775408.17	1.16283		410160.28	3775408.17	1.14033	
410180.28	3775408.17	1.11662		410200.28	3775408.17	1.09462	
410220.28	3775408.17	1.07954		410240.28	3775408.17	1.06767	
410000.28	3775428.17	1.24244		410020.28	3775428.17	1.22318	
410040.28	3775428.17	1.18963		410060.28	3775428.17	1.18109	
410080.28	3775428.17	1.17022		410100.28	3775428.17	1.15645	
410120.28	3775428.17	1.14750		410140.28	3775428.17	1.12528	
410160.28	3775428.17	1.11229		410180.28	3775428.17	1.09445	

410200.28	3775428.17	1.06714	410220.28	3775428.17	1.05138
410240.28	3775428.17	1.04949	410020.28	3775448.17	1.18666
410040.28	3775448.17	1.15583	410060.28	3775448.17	1.14835
410080.28	3775448.17	1.13828	410100.28	3775448.17	1.12348
410120.28	3775448.17	1.11175	410140.28	3775448.17	1.08877
410160.28	3775448.17	1.08216	410180.28	3775448.17	1.06898

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKW ***
INCLUDING SOURCE(S): L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
L0000078 , L0000079 , L0000080 , L0000081 , L0000082 , L0000083 , L0000084 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	1.04136	410220.28	3775448.17	1.02808
410040.28	3775468.17	1.13413	410060.28	3775468.17	1.12017
410080.28	3775468.17	1.10661	410100.28	3775468.17	1.09278
410120.28	3775468.17	1.08064	410140.28	3775468.17	1.06122
410160.28	3775468.17	1.04838	410180.28	3775468.17	1.03532
410200.28	3775468.17	1.02031	410220.28	3775468.17	1.01590
410060.28	3775488.17	1.09002	410080.28	3775488.17	1.07779
410100.28	3775488.17	1.06843	410120.28	3775488.17	1.05414
410140.28	3775488.17	1.04872	410160.28	3775488.17	1.03889
410180.28	3775488.17	1.02228	410200.28	3775488.17	1.00049
410220.28	3775488.17	0.99717	410080.28	3775508.17	1.05084
410100.28	3775508.17	1.04437	410120.28	3775508.17	1.02793
410140.28	3775508.17	1.03043	410160.28	3775508.17	1.02283
410180.28	3775508.17	1.00534	410200.28	3775508.17	0.97820
410220.28	3775508.17	0.97489	410120.28	3775528.17	0.99745
410140.28	3775528.17	0.98809	410160.28	3775528.17	0.97764
410180.28	3775528.17	0.96375	410200.28	3775528.17	0.94764
410140.28	3775548.17	0.96022	410160.28	3775548.17	0.94911
410180.28	3775548.17	0.93825	410260.01	3775389.35	1.07834

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKF ***
INCLUDING SOURCE(S): L0000037 , L0000038 , L0000039 , L0000040 , L0000041 ,
L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 , L0000049 ,
L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	1.41120	410247.56	3773999.13	1.37378
410267.56	3773999.13	1.33727	410287.56	3773999.13	1.30173
410327.56	3773999.13	1.23336	410347.56	3773999.13	1.20038
410367.56	3773999.13	1.16830	410387.56	3773999.13	1.13697
410407.56	3773999.13	1.10650	410427.56	3773999.13	1.07729
410447.56	3773999.13	1.04925	410467.56	3773999.13	1.02220
410487.56	3773999.13	0.99619	410527.56	3773999.13	0.94601
410547.56	3773999.13	0.91964	410567.56	3773999.13	0.89618
410267.56	3774019.13	1.37705	410287.56	3774019.13	1.33919
410327.56	3774019.13	1.26640	410347.56	3774019.13	1.23133
410367.56	3774019.13	1.19746	410387.56	3774019.13	1.16471
410407.56	3774019.13	1.13171	410427.56	3774019.13	1.09774
410447.56	3774019.13	1.06845	410467.56	3774019.13	1.04051
410487.56	3774019.13	1.01359	410529.05	3774026.09	0.96652
410549.05	3774026.09	0.94065	410569.05	3774026.09	0.91657
410287.56	3774039.13	1.37793	410307.56	3774039.13	1.33853
410367.56	3774039.13	1.22780	410387.56	3774039.13	1.19294
410407.56	3774039.13	1.15851	410427.56	3774039.13	1.12317
410447.56	3774039.13	1.09226	410467.56	3774039.13	1.06247
410487.56	3774039.13	1.03429	410307.56	3774059.13	1.37560
410327.56	3774059.13	1.33507	410347.56	3774059.13	1.29632
410387.56	3774059.13	1.22178	410407.56	3774059.13	1.18631
410447.56	3774059.13	1.11691	410467.56	3774059.13	1.08505
410487.56	3774059.13	1.05547	410327.56	3774079.13	1.37144
410347.56	3774079.13	1.32985	410367.56	3774079.13	1.29012
410407.56	3774079.13	1.21497	410447.56	3774079.13	1.14173
410467.56	3774079.13	1.10800	410487.56	3774079.13	1.07685
410530.05	3774073.66	1.00990	410550.05	3774073.66	0.98138
410570.05	3774073.66	0.95463	410367.56	3774099.13	1.32269
410387.56	3774099.13	1.28152	410407.56	3774099.13	1.24300
410447.56	3774099.13	1.16700	410467.56	3774099.13	1.13171
410487.56	3774099.13	1.09864	410507.56	3774099.13	1.06746
410530.05	3774093.66	1.02823	410550.05	3774093.66	0.99879
410570.05	3774093.66	0.97114	410387.56	3774119.13	1.31202
410407.56	3774119.13	1.26800	410427.56	3774119.13	1.22958

410467.56	3774119.13	1.15571	410487.56	3774119.13	1.12084
410507.56	3774119.13	1.08726	410527.56	3774119.13	1.05548
410547.56	3774119.13	1.02531	410567.56	3774119.13	0.99623
410427.56	3774139.13	1.25664	410447.56	3774139.13	1.21708
410467.56	3774139.13	1.17906	410507.56	3774139.13	1.10880

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKF ***
INCLUDING SOURCE(S): L0000037 , L0000038 , L0000039 , L0000040 , L0000041 ,
L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 , L0000049 ,
L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC	
410527.56	3774139.13	1.07545		410547.56	3774139.13	1.04364	
410567.56	3774139.13	1.01350		410447.56	3774159.13	1.24252	
410467.56	3774159.13	1.20289		410487.56	3774159.13	1.16563	
410487.56	3774179.13	1.18764		410507.56	3774179.13	1.15032	
410527.56	3774179.13	1.11478		410547.56	3774179.13	1.08087	
410567.56	3774179.13	1.04623		410587.56	3774179.13	1.01579	
410507.56	3774199.13	1.17193	MEIR	410527.56	3774199.13	1.13481	
410547.56	3774199.13	1.09740		410567.56	3774199.13	1.06359	
410587.56	3774199.13	1.03207		410220.28	3775328.17	1.25457	Max Sports Park Rec
410240.28	3775328.17	1.23463		410260.28	3775328.17	1.21348	
410200.28	3775348.17	1.22333		410220.28	3775348.17	1.20660	
410240.28	3775348.17	1.18603		410260.28	3775348.17	1.16451	
410100.28	3775368.17	1.27750		410120.28	3775368.17	1.25472	
410140.28	3775368.17	1.22844		410160.28	3775368.17	1.21033	
410180.28	3775368.17	1.19356		410200.28	3775368.17	1.17559	
410220.28	3775368.17	1.15835		410240.28	3775368.17	1.13965	
410260.28	3775368.17	1.11951		410020.28	3775388.17	1.31616	
410040.28	3775388.17	1.30880		410060.28	3775388.17	1.27874	
410080.28	3775388.17	1.24824		410100.28	3775388.17	1.22339	
410120.28	3775388.17	1.19888		410140.28	3775388.17	1.17451	
410160.28	3775388.17	1.16057		410180.28	3775388.17	1.14761	
410200.28	3775388.17	1.13172		410220.28	3775388.17	1.11390	
410240.28	3775388.17	1.09643		410000.28	3775408.17	1.28153	
410020.28	3775408.17	1.26132		410040.28	3775408.17	1.25733	
410060.28	3775408.17	1.22756		410080.28	3775408.17	1.19793	
410100.28	3775408.17	1.17258		410120.28	3775408.17	1.14383	
410140.28	3775408.17	1.12781		410160.28	3775408.17	1.11563	
410180.28	3775408.17	1.10453		410200.28	3775408.17	1.09215	
410220.28	3775408.17	1.07515		410240.28	3775408.17	1.05695	
410000.28	3775428.17	1.23436		410020.28	3775428.17	1.21422	
410040.28	3775428.17	1.21415		410060.28	3775428.17	1.18264	
410080.28	3775428.17	1.15244		410100.28	3775428.17	1.13011	
410120.28	3775428.17	1.10462		410140.28	3775428.17	1.09407	
410160.28	3775428.17	1.07505		410180.28	3775428.17	1.06122	
410200.28	3775428.17	1.05529		410220.28	3775428.17	1.04020	

410240.28	3775428.17	1.01632	410020.28	3775448.17	1.17070
410040.28	3775448.17	1.17142	410060.28	3775448.17	1.13934
410080.28	3775448.17	1.10992	410100.28	3775448.17	1.09124
410120.28	3775448.17	1.07029	410140.28	3775448.17	1.06272
410160.28	3775448.17	1.03854	410180.28	3775448.17	1.02229

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKF ***
INCLUDING SOURCE(S): L0000037 , L0000038 , L0000039 , L0000040 , L0000041 ,
L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 , L0000049 ,
L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	1.01909	410220.28	3775448.17	1.00359
410040.28	3775468.17	1.11201	410060.28	3775468.17	1.08987
410080.28	3775468.17	1.06975	410100.28	3775468.17	1.05214
410120.28	3775468.17	1.03354	410140.28	3775468.17	1.02448
410160.28	3775468.17	1.00823	410180.28	3775468.17	0.99305
410200.28	3775468.17	0.98038	410220.28	3775468.17	0.95916
410060.28	3775488.17	1.04666	410080.28	3775488.17	1.02776
410100.28	3775488.17	1.00620	410120.28	3775488.17	0.99308
410140.28	3775488.17	0.96951	410160.28	3775488.17	0.95309
410180.28	3775488.17	0.94487	410200.28	3775488.17	0.94158
410220.28	3775488.17	0.92076	410080.28	3775508.17	0.98440
410100.28	3775508.17	0.96035	410120.28	3775508.17	0.95361
410140.28	3775508.17	0.91925	410160.28	3775508.17	0.90142
410180.28	3775508.17	0.89930	410200.28	3775508.17	0.90616
410220.28	3775508.17	0.88612	410120.28	3775528.17	0.92233
410140.28	3775528.17	0.90693	410160.28	3775528.17	0.89416
410180.28	3775528.17	0.88651	410200.28	3775528.17	0.88132
410140.28	3775548.17	0.87524	410160.28	3775548.17	0.86538
410180.28	3775548.17	0.85544	410260.01	3775389.35	1.07535

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_E ***
INCLUDING SOURCE(S): L0000085 , L0000086 , L0000087 , L0000088 , L0000089 ,
L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 ,
L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.79851	410247.56	3773999.13	0.80145
410267.56	3773999.13	0.80410	410287.56	3773999.13	0.80642
410327.56	3773999.13	0.81016	410347.56	3773999.13	0.81161
410367.56	3773999.13	0.81271	410387.56	3773999.13	0.81351
410407.56	3773999.13	0.81397	410427.56	3773999.13	0.81403
410447.56	3773999.13	0.81369	410467.56	3773999.13	0.81298
410487.56	3773999.13	0.81188	410527.56	3773999.13	0.80875
410547.56	3773999.13	0.80668	410567.56	3773999.13	0.80430
410267.56	3774019.13	0.82688	410287.56	3774019.13	0.82939
410327.56	3774019.13	0.83351	410347.56	3774019.13	0.83510
410367.56	3774019.13	0.83631	410387.56	3774019.13	0.83716
410407.56	3774019.13	0.83786	410427.56	3774019.13	0.83804
410447.56	3774019.13	0.83773	410467.56	3774019.13	0.83699
410487.56	3774019.13	0.83586	410529.05	3774026.09	0.84091
410549.05	3774026.09	0.83882	410569.05	3774026.09	0.83617
410287.56	3774039.13	0.85339	410307.56	3774039.13	0.85584
410367.56	3774039.13	0.86094	410387.56	3774039.13	0.86196
410407.56	3774039.13	0.86271	410427.56	3774039.13	0.86293
410447.56	3774039.13	0.86269	410467.56	3774039.13	0.86205
410487.56	3774039.13	0.86091	410307.56	3774059.13	0.88125
410327.56	3774059.13	0.88351	410347.56	3774059.13	0.88531
410387.56	3774059.13	0.88795	410407.56	3774059.13	0.88869
410447.56	3774059.13	0.88881	410467.56	3774059.13	0.88831
410487.56	3774059.13	0.88718	410327.56	3774079.13	0.91018
410347.56	3774079.13	0.91229	410367.56	3774079.13	0.91391
410407.56	3774079.13	0.91589	410447.56	3774079.13	0.91628
410467.56	3774079.13	0.91589	410487.56	3774079.13	0.91481
410530.05	3774073.66	0.90321	410550.05	3774073.66	0.90095
410570.05	3774073.66	0.89810	410367.56	3774099.13	0.94230
410387.56	3774099.13	0.94383	410407.56	3774099.13	0.94470
410447.56	3774099.13	0.94514	410467.56	3774099.13	0.94481
410487.56	3774099.13	0.94385	410507.56	3774099.13	0.94227
410530.05	3774093.66	0.93192	410550.05	3774093.66	0.92956
410570.05	3774093.66	0.92657	410387.56	3774119.13	0.97397

410407.56	3774119.13	0.97506	410427.56	3774119.13	0.97553
410467.56	3774119.13	0.97526	410487.56	3774119.13	0.97439
410507.56	3774119.13	0.97303	410527.56	3774119.13	0.97106
410547.56	3774119.13	0.96848	410567.56	3774119.13	0.96539
410427.56	3774139.13	1.00753	410447.56	3774139.13	1.00779
410467.56	3774139.13	1.00753	410507.56	3774139.13	1.00513

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_E ***
INCLUDING SOURCE(S): L0000085 , L0000086 , L0000087 , L0000088 , L0000089 ,
L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 ,
L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	1.00319		410547.56	3774139.13	1.00063
410567.56	3774139.13	0.99743		410447.56	3774159.13	1.04169
410467.56	3774159.13	1.04153		410487.56	3774159.13	1.04063
410487.56	3774179.13	1.07673		410507.56	3774179.13	1.07532
410527.56	3774179.13	1.07323		410547.56	3774179.13	1.07046
410567.56	3774179.13	1.06704		410587.56	3774179.13	1.06280
410507.56	3774199.13	1.11332	MEIR	410527.56	3774199.13	1.11128
410547.56	3774199.13	1.10846		410567.56	3774199.13	1.10497
410587.56	3774199.13	1.10056		410220.28	3775328.17	36.19524
410240.28	3775328.17	31.68636		410260.28	3775328.17	28.07567
410200.28	3775348.17	29.50038		410220.28	3775348.17	26.60190
410240.28	3775348.17	24.10925		410260.28	3775348.17	21.95574
410100.28	3775368.17	33.32869		410120.28	3775368.17	30.92685
410140.28	3775368.17	28.65635		410160.28	3775368.17	26.51832
410180.28	3775368.17	24.51345		410200.28	3775368.17	22.63896
410220.28	3775368.17	20.91565		410240.28	3775368.17	19.34689
410260.28	3775368.17	17.92361		410020.28	3775388.17	29.16319
410040.28	3775388.17	28.20019		410060.28	3775388.17	27.12199
410080.28	3775388.17	25.86898		410100.28	3775388.17	24.56251
410120.28	3775388.17	23.24418		410140.28	3775388.17	21.92670
410160.28	3775388.17	20.66270		410180.28	3775388.17	19.43133
410200.28	3775388.17	18.24449		410220.28	3775388.17	17.11306
410240.28	3775388.17	16.04980		410000.28	3775408.17	21.49127
410020.28	3775408.17	21.44608		410040.28	3775408.17	21.09958
410060.28	3775408.17	20.59516		410080.28	3775408.17	19.93355
410100.28	3775408.17	19.19119		410120.28	3775408.17	18.38560
410140.28	3775408.17	17.58173		410160.28	3775408.17	16.77294
410180.28	3775408.17	15.96675		410200.28	3775408.17	15.16554
410220.28	3775408.17	14.37934		410240.28	3775408.17	13.62146
410000.28	3775428.17	16.55008		410020.28	3775428.17	16.67119
410040.28	3775428.17	16.57659		410060.28	3775428.17	16.35549
410080.28	3775428.17	15.99705		410100.28	3775428.17	15.56231
410120.28	3775428.17	15.05954		410140.28	3775428.17	14.54722
410160.28	3775428.17	13.99366		410180.28	3775428.17	13.43493

410200.28	3775428.17	12.87984	410220.28	3775428.17	12.31634
410240.28	3775428.17	11.75012	410020.28	3775448.17	13.46500
410040.28	3775448.17	13.48408	410060.28	3775448.17	13.40219
410080.28	3775448.17	13.20930	410100.28	3775448.17	12.95268
410120.28	3775448.17	12.63538	410140.28	3775448.17	12.29971
410160.28	3775448.17	11.90759	410180.28	3775448.17	11.50903

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_E ***
INCLUDING SOURCE(S): L0000085 , L0000086 , L0000087 , L0000088 , L0000089 ,
L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 ,
L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	11.11311	410220.28	3775448.17	10.69404
410040.28	3775468.17	11.26014	410060.28	3775468.17	11.23899
410080.28	3775468.17	11.14493	410100.28	3775468.17	10.99281
410120.28	3775468.17	10.78774	410140.28	3775468.17	10.55802
410160.28	3775468.17	10.29226	410180.28	3775468.17	10.00319
410200.28	3775468.17	9.70250	410220.28	3775468.17	9.38206
410060.28	3775488.17	9.60381	410080.28	3775488.17	9.56080
410100.28	3775488.17	9.46317	410120.28	3775488.17	9.33663
410140.28	3775488.17	9.16189	410160.28	3775488.17	8.97303
410180.28	3775488.17	8.77209	410200.28	3775488.17	8.55588
410220.28	3775488.17	8.31308	410080.28	3775508.17	8.31211
410100.28	3775508.17	8.25336	410120.28	3775508.17	8.17809
410140.28	3775508.17	8.03509	410160.28	3775508.17	7.86669
410180.28	3775508.17	7.75892	410200.28	3775508.17	7.61172
410220.28	3775508.17	7.42173	410120.28	3775528.17	7.24222
410140.28	3775528.17	7.15777	410160.28	3775528.17	7.06124
410180.28	3775528.17	6.95139	410200.28	3775528.17	6.82819
410140.28	3775548.17	6.40660	410160.28	3775548.17	6.33830
410180.28	3775548.17	6.25379	410260.01	3775389.35	14.92011

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_W ***
INCLUDING SOURCE(S): L0000163 , L0000164 , L0000165 , L0000166 , L0000167 ,
L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 ,
L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 ,
L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.51895	410247.56	3773999.13	0.51319
410267.56	3773999.13	0.50744	410287.56	3773999.13	0.50169
410327.56	3773999.13	0.49025	410347.56	3773999.13	0.48456
410367.56	3773999.13	0.47890	410387.56	3773999.13	0.47326
410407.56	3773999.13	0.46766	410427.56	3773999.13	0.46208
410447.56	3773999.13	0.45654	410467.56	3773999.13	0.45104
410487.56	3773999.13	0.44558	410527.56	3773999.13	0.43479
410547.56	3773999.13	0.42947	410567.56	3773999.13	0.42385
410267.56	3774019.13	0.51666	410287.56	3774019.13	0.51069
410327.56	3774019.13	0.49881	410347.56	3774019.13	0.49292
410367.56	3774019.13	0.48704	410387.56	3774019.13	0.48119
410407.56	3774019.13	0.47540	410427.56	3774019.13	0.46924
410447.56	3774019.13	0.46351	410467.56	3774019.13	0.45782
410487.56	3774019.13	0.45254	410529.05	3774026.09	0.44330
410549.05	3774026.09	0.43703	410569.05	3774026.09	0.43153
410287.56	3774039.13	0.51992	410307.56	3774039.13	0.51375
410367.56	3774039.13	0.49537	410387.56	3774039.13	0.48931
410407.56	3774039.13	0.48330	410427.56	3774039.13	0.47694
410447.56	3774039.13	0.47100	410467.56	3774039.13	0.46510
410487.56	3774039.13	0.45927	410307.56	3774059.13	0.52298
410327.56	3774059.13	0.51659	410347.56	3774059.13	0.51022
410387.56	3774059.13	0.49762	410407.56	3774059.13	0.49138
410447.56	3774059.13	0.47866	410467.56	3774059.13	0.47217
410487.56	3774059.13	0.46651	410327.56	3774079.13	0.52580
410347.56	3774079.13	0.51919	410367.56	3774079.13	0.51263
410407.56	3774079.13	0.49964	410447.56	3774079.13	0.48686
410467.56	3774079.13	0.47976	410487.56	3774079.13	0.47352
410530.05	3774073.66	0.45892	410550.05	3774073.66	0.45252
410570.05	3774073.66	0.44657	410367.56	3774099.13	0.52157
410387.56	3774099.13	0.51481	410407.56	3774099.13	0.50810
410447.56	3774099.13	0.49485	410467.56	3774099.13	0.48754
410487.56	3774099.13	0.48105	410507.56	3774099.13	0.47466
410530.05	3774093.66	0.46559	410550.05	3774093.66	0.45859
410570.05	3774093.66	0.45206	410387.56	3774119.13	0.52372

410407.56	3774119.13	0.51676	410427.56	3774119.13	0.50985
410467.56	3774119.13	0.49585	410487.56	3774119.13	0.48874
410507.56	3774119.13	0.48131	410527.56	3774119.13	0.47433
410547.56	3774119.13	0.46785	410567.56	3774119.13	0.46104
410427.56	3774139.13	0.51805	410447.56	3774139.13	0.51096
410467.56	3774139.13	0.50353	410507.56	3774139.13	0.48973

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_W ***
INCLUDING SOURCE(S): L0000163 , L0000164 , L0000165 , L0000166 , L0000167 ,
L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 ,
L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 ,
L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC	
410527.56	3774139.13	0.48173		410547.56	3774139.13	0.47457	
410567.56	3774139.13	0.46794		410447.56	3774159.13	0.51907	
410467.56	3774159.13	0.51178		410487.56	3774159.13	0.50460	
410487.56	3774179.13	0.51149		410507.56	3774179.13	0.50370	
410527.56	3774179.13	0.49642		410547.56	3774179.13	0.48884	
410567.56	3774179.13	0.48174		410587.56	3774179.13	0.47486	
410507.56	3774199.13	0.51178	MEIR	410527.56	3774199.13	0.50421	
410547.56	3774199.13	0.49637		410567.56	3774199.13	0.48859	
410587.56	3774199.13	0.48149		410220.28	3775328.17	2.45247	Max Sports Park Rec
410240.28	3775328.17	2.30746		410260.28	3775328.17	2.17989	
410200.28	3775348.17	2.65568		410220.28	3775348.17	2.48334	
410240.28	3775348.17	2.33863		410260.28	3775348.17	2.21618	
410100.28	3775368.17	3.95399		410120.28	3775368.17	3.61314	
410140.28	3775368.17	3.34299		410160.28	3775368.17	3.09024	
410180.28	3775368.17	2.86899		410200.28	3775368.17	2.67829	
410220.28	3775368.17	2.50935		410240.28	3775368.17	2.36629	
410260.28	3775368.17	2.24100		410020.28	3775388.17	6.05974	
410040.28	3775388.17	5.29472		410060.28	3775388.17	4.74629	
410080.28	3775388.17	4.31425		410100.28	3775388.17	3.93339	
410120.28	3775388.17	3.62403		410140.28	3775388.17	3.35797	
410160.28	3775388.17	3.10380		410180.28	3775388.17	2.87645	
410200.28	3775388.17	2.68637		410220.28	3775388.17	2.52650	
410240.28	3775388.17	2.38170		410000.28	3775408.17	6.56930	
410020.28	3775408.17	5.78870		410040.28	3775408.17	5.10531	
410060.28	3775408.17	4.62408		410080.28	3775408.17	4.23406	
410100.28	3775408.17	3.89415		410120.28	3775408.17	3.61198	
410140.28	3775408.17	3.33858		410160.28	3775408.17	3.09184	
410180.28	3775408.17	2.87229		410200.28	3775408.17	2.67734	
410220.28	3775408.17	2.52200		410240.28	3775408.17	2.38444	
410000.28	3775428.17	6.08436		410020.28	3775428.17	5.46166	
410040.28	3775428.17	4.86409		410060.28	3775428.17	4.45484	
410080.28	3775428.17	4.11307		410100.28	3775428.17	3.80254	
410120.28	3775428.17	3.53946		410140.28	3775428.17	3.27178	
410160.28	3775428.17	3.05777		410180.28	3775428.17	2.85695	

410200.28	3775428.17	2.65445	410220.28	3775428.17	2.50215
410240.28	3775428.17	2.39079	410020.28	3775448.17	5.11661
410040.28	3775448.17	4.60806	410060.28	3775448.17	4.26471
410080.28	3775448.17	3.96775	410100.28	3775448.17	3.68577
410120.28	3775448.17	3.43952	410140.28	3775448.17	3.18238
410160.28	3775448.17	3.00314	410180.28	3775448.17	2.82266

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_W ***
INCLUDING SOURCE(S): L0000163 , L0000164 , L0000165 , L0000166 , L0000167 ,
L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 ,
L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 ,
L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	2.62707	410220.28	3775448.17	2.48164
410040.28	3775468.17	4.41026	410060.28	3775468.17	4.09722
410080.28	3775468.17	3.81491	410100.28	3775468.17	3.55939
410120.28	3775468.17	3.33616	410140.28	3775468.17	3.10554
410160.28	3775468.17	2.92419	410180.28	3775468.17	2.75567
410200.28	3775468.17	2.59771	410220.28	3775468.17	2.48405
410060.28	3775488.17	3.90413	410080.28	3775488.17	3.66065
410100.28	3775488.17	3.45011	410120.28	3775488.17	3.23690
410140.28	3775488.17	3.07884	410160.28	3775488.17	2.91757
410180.28	3775488.17	2.74388	410200.28	3775488.17	2.56921
410220.28	3775488.17	2.46672	410080.28	3775508.17	3.51268
410100.28	3775508.17	3.34165	410120.28	3775508.17	3.13764
410140.28	3775508.17	3.05580	410160.28	3775508.17	2.93856
410180.28	3775508.17	2.74289	410200.28	3775508.17	2.52637
410220.28	3775508.17	2.44507	410120.28	3775528.17	3.01345
410140.28	3775528.17	2.87086	410160.28	3775528.17	2.73328
410180.28	3775528.17	2.58973	410200.28	3775528.17	2.44831
410140.28	3775548.17	2.77066	410160.28	3775548.17	2.64050
410180.28	3775548.17	2.51927	410260.01	3775389.35	2.26269

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
			Maximum Exposed Sports Park Receptor		
B3_IDLE	1ST HIGHEST VALUE IS	367.76972 AT	(410220.28, 3775328.17, 129.20, 1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	349.69862 AT	(410240.28, 3775328.17, 129.32, 1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	329.90733 AT	(410260.28, 3775328.17, 129.60, 1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	324.88553 AT	(410200.28, 3775348.17, 129.36, 1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	316.05927 AT	(410220.28, 3775348.17, 129.32, 1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	306.28843 AT	(410240.28, 3775348.17, 129.58, 1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	292.85300 AT	(410260.28, 3775348.17, 130.00, 1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	278.02709 AT	(410160.28, 3775368.17, 129.45, 1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	276.83471 AT	(410180.28, 3775368.17, 129.46, 1648.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	275.56628 AT	(410200.28, 3775368.17, 129.56, 1648.19, 0.00)	DC	
			Maximum Exposed Sports Park Receptor		
B2_IDLE	1ST HIGHEST VALUE IS	399.64442 AT	(410220.28, 3775328.17, 129.20, 1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	393.91485 AT	(410240.28, 3775328.17, 129.32, 1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	386.88001 AT	(410260.28, 3775328.17, 129.60, 1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	372.45763 AT	(410200.28, 3775348.17, 129.36, 1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	368.56969 AT	(410220.28, 3775348.17, 129.32, 1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	368.50259 AT	(410100.28, 3775368.17, 128.71, 1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	368.32018 AT	(410040.28, 3775388.17, 127.32, 1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	364.66008 AT	(410020.28, 3775388.17, 127.92, 1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	363.24515 AT	(410120.28, 3775368.17, 128.94, 1648.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	362.32068 AT	(410240.28, 3775348.17, 129.58, 1648.19, 0.00)	DC	
			Maximum Exposed Sports Park Receptor		
B1_IDLE	1ST HIGHEST VALUE IS	50.04952 AT	(410220.28, 3775328.17, 129.20, 1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	49.75800 AT	(410040.28, 3775388.17, 127.32, 1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	49.24677 AT	(410240.28, 3775328.17, 129.32, 1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	49.04553 AT	(410020.28, 3775388.17, 127.92, 1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	48.58215 AT	(410100.28, 3775368.17, 128.71, 1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	48.28398 AT	(410260.28, 3775328.17, 129.60, 1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	47.94110 AT	(410060.28, 3775388.17, 128.06, 1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	47.71611 AT	(410120.28, 3775368.17, 128.94, 1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	47.62851 AT	(410200.28, 3775348.17, 129.36, 1648.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	47.08185 AT	(410220.28, 3775348.17, 129.32, 1648.19, 0.00)	DC	
			Maximum Exposed Sports Park Receptor		
TR_RUNEX	1ST HIGHEST VALUE IS	3.37097 AT	(410220.28, 3775328.17, 129.20, 1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	3.36846 AT	(410240.28, 3775328.17, 129.32, 1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	3.35655 AT	(410260.28, 3775328.17, 129.60, 1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	2.98269 AT	(410240.28, 3775348.17, 129.58, 1648.19, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
			Maximum Exposed Sports Park Receptor						
YARD_EMS	1ST HIGHEST VALUE IS	3.91811 AT	(410240.28,	3775328.17,	129.32,	1648.19,	0.00)	DC	
	2ND HIGHEST VALUE IS	3.91479 AT	(410260.28,	3775328.17,	129.60,	1648.19,	0.00)	DC	
	3RD HIGHEST VALUE IS	3.91008 AT	(410220.28,	3775328.17,	129.20,	1648.19,	0.00)	DC	
	4TH HIGHEST VALUE IS	3.49776 AT	(410260.28,	3775348.17,	130.00,	1648.19,	0.00)	DC	
	5TH HIGHEST VALUE IS	3.48835 AT	(410240.28,	3775348.17,	129.58,	1648.19,	0.00)	DC	
	6TH HIGHEST VALUE IS	3.46877 AT	(410220.28,	3775348.17,	129.32,	1648.19,	0.00)	DC	
	7TH HIGHEST VALUE IS	3.43645 AT	(410200.28,	3775348.17,	129.36,	1648.19,	0.00)	DC	
	8TH HIGHEST VALUE IS	3.13021 AT	(410260.28,	3775368.17,	130.26,	1648.19,	0.00)	DC	
	9TH HIGHEST VALUE IS	3.10960 AT	(410240.28,	3775368.17,	129.86,	1648.19,	0.00)	DC	
	10TH HIGHEST VALUE IS	3.07966 AT	(410220.28,	3775368.17,	129.64,	1648.19,	0.00)	DC	
			MEIR						
LIVEOAKE	1ST HIGHEST VALUE IS	7.61132 AT	(410507.56,	3774199.13,	122.95,	1648.19,	0.00)	DC	
	2ND HIGHEST VALUE IS	7.27185 AT	(410527.56,	3774199.13,	123.17,	1648.19,	0.00)	DC	
	3RD HIGHEST VALUE IS	7.10489 AT	(410487.56,	3774179.13,	122.77,	1648.19,	0.00)	DC	
	4TH HIGHEST VALUE IS	6.91505 AT	(410547.56,	3774199.13,	123.31,	1648.19,	0.00)	DC	
	5TH HIGHEST VALUE IS	6.83480 AT	(410507.56,	3774179.13,	122.94,	1648.19,	0.00)	DC	
	6TH HIGHEST VALUE IS	6.82858 AT	(410447.56,	3774159.13,	122.11,	1648.19,	0.00)	DC	
	7TH HIGHEST VALUE IS	6.63039 AT	(410467.56,	3774159.13,	122.37,	1648.19,	0.00)	DC	
	8TH HIGHEST VALUE IS	6.54851 AT	(410527.56,	3774179.13,	123.08,	1648.19,	0.00)	DC	
	9TH HIGHEST VALUE IS	6.54738 AT	(410567.56,	3774199.13,	123.54,	1648.19,	0.00)	DC	
	10TH HIGHEST VALUE IS	6.41422 AT	(410487.56,	3774159.13,	122.43,	1648.19,	0.00)	DC	
LIVEOAKW	1ST HIGHEST VALUE IS	1.29316 AT	(410020.28,	3775388.17,	127.92,	1648.19,	0.00)	DC	
	2ND HIGHEST VALUE IS	1.28098 AT	(410000.28,	3775408.17,	127.99,	1648.19,	0.00)	DC	
	3RD HIGHEST VALUE IS	1.25980 AT	(410020.28,	3775408.17,	128.19,	1648.19,	0.00)	DC	
	4TH HIGHEST VALUE IS	1.25724 AT	(410040.28,	3775388.17,	127.32,	1648.19,	0.00)	DC	
	5TH HIGHEST VALUE IS	1.24557 AT	(410060.28,	3775388.17,	128.06,	1648.19,	0.00)	DC	
	6TH HIGHEST VALUE IS	1.24244 AT	(410000.28,	3775428.17,	127.98,	1648.19,	0.00)	DC	
	7TH HIGHEST VALUE IS	1.24192 AT	(410100.28,	3775368.17,	128.71,	1648.19,	0.00)	DC	
	8TH HIGHEST VALUE IS	1.23216 AT	(410080.28,	3775388.17,	128.66,	1648.19,	0.00)	DC	
	9TH HIGHEST VALUE IS	1.22608 AT	(410040.28,	3775408.17,	127.52,	1648.19,	0.00)	DC	

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        10TH HIGHEST VALUE IS       1.22318 AT (  410020.28,  3775428.17,   128.23,  1648.19,    0.00)  DC

LIVEOAKF  1ST HIGHEST VALUE IS       1.41120 AT (  410227.56,  3773999.13,   119.52,  1648.19,    0.00)  DC
          2ND HIGHEST VALUE IS       1.37793 AT (  410287.56,  3774039.13,   120.15,  1648.19,    0.00)  DC
          3RD HIGHEST VALUE IS       1.37705 AT (  410267.56,  3774019.13,   119.96,  1648.19,    0.00)  DC
          4TH HIGHEST VALUE IS       1.37560 AT (  410307.56,  3774059.13,   120.61,  1648.19,    0.00)  DC
          5TH HIGHEST VALUE IS       1.37378 AT (  410247.56,  3773999.13,   119.68,  1648.19,    0.00)  DC
          6TH HIGHEST VALUE IS       1.37144 AT (  410327.56,  3774079.13,   120.74,  1648.19,    0.00)  DC
          7TH HIGHEST VALUE IS       1.33919 AT (  410287.56,  3774019.13,   120.05,  1648.19,    0.00)  DC
          8TH HIGHEST VALUE IS       1.33853 AT (  410307.56,  3774039.13,   120.38,  1648.19,    0.00)  DC
          9TH HIGHEST VALUE IS       1.33727 AT (  410267.56,  3773999.13,   119.82,  1648.19,    0.00)  DC
         10TH HIGHEST VALUE IS       1.33507 AT (  410327.56,  3774059.13,   120.78,  1648.19,    0.00)  DC
 *** AERMOD - VERSION 22112  ***   *** Option 1 - Irwindale Gateway Operational HRA                      ***        05/22/23
 *** AERMET - VERSION  16216 ***   *** Irwindale, CA                                                     ***        13:08:27
                                                                                                                   PAGE  96

 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                  *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***
                                ** CONC OF OTHER    IN MICROGRAMS/M**3                          **

                                                                                                          NETWORK
GROUP ID                        AVERAGE CONC              RECEPTOR  (XR, YR, ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
                                                  Maximum Exposed Sports Park Receptor
ARROWH_E  1ST HIGHEST VALUE IS      36.19524 AT (  410220.28,  3775328.17,   129.20,  1648.19,    0.00)  DC
          2ND HIGHEST VALUE IS      33.32869 AT (  410100.28,  3775368.17,   128.71,  1648.19,    0.00)  DC
          3RD HIGHEST VALUE IS      31.68636 AT (  410240.28,  3775328.17,   129.32,  1648.19,    0.00)  DC
          4TH HIGHEST VALUE IS      30.92685 AT (  410120.28,  3775368.17,   128.94,  1648.19,    0.00)  DC
          5TH HIGHEST VALUE IS      29.50038 AT (  410200.28,  3775348.17,   129.36,  1648.19,    0.00)  DC
          6TH HIGHEST VALUE IS      29.16319 AT (  410020.28,  3775388.17,   127.92,  1648.19,    0.00)  DC
          7TH HIGHEST VALUE IS      28.65635 AT (  410140.28,  3775368.17,   129.38,  1648.19,    0.00)  DC
          8TH HIGHEST VALUE IS      28.20019 AT (  410040.28,  3775388.17,   127.32,  1648.19,    0.00)  DC
          9TH HIGHEST VALUE IS      28.07567 AT (  410260.28,  3775328.17,   129.60,  1648.19,    0.00)  DC
         10TH HIGHEST VALUE IS      27.12199 AT (  410060.28,  3775388.17,   128.06,  1648.19,    0.00)  DC

ARROWH_W  1ST HIGHEST VALUE IS       6.56930 AT (  410000.28,  3775408.17,   127.99,  1648.19,    0.00)  DC
          2ND HIGHEST VALUE IS       6.08436 AT (  410000.28,  3775428.17,   127.98,  1648.19,    0.00)  DC
          3RD HIGHEST VALUE IS       6.05974 AT (  410020.28,  3775388.17,   127.92,  1648.19,    0.00)  DC
          4TH HIGHEST VALUE IS       5.78870 AT (  410020.28,  3775408.17,   128.19,  1648.19,    0.00)  DC
          5TH HIGHEST VALUE IS       5.46166 AT (  410020.28,  3775428.17,   128.23,  1648.19,    0.00)  DC
          6TH HIGHEST VALUE IS       5.29472 AT (  410040.28,  3775388.17,   127.32,  1648.19,    0.00)  DC
          7TH HIGHEST VALUE IS       5.11661 AT (  410020.28,  3775448.17,   128.23,  1648.19,    0.00)  DC
          8TH HIGHEST VALUE IS       5.10531 AT (  410040.28,  3775408.17,   127.52,  1648.19,    0.00)  DC
          9TH HIGHEST VALUE IS       4.86409 AT (  410040.28,  3775428.17,   127.38,  1648.19,    0.00)  DC
         10TH HIGHEST VALUE IS       4.74629 AT (  410060.28,  3775388.17,   128.06,  1648.19,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 159 Warning Message(s)
A Total of 1684 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 75 Calm Hours Identified

A Total of 1609 Missing Hours Identified (3.67 Percent)

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

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

SO W320	668	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	669	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	670	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	671	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	672	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	673	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	674	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	675	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	676	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	677	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	678	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	679	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	680	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	681	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	682	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	683	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	684	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
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SO W320	691	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	692	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
SO W320	693	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS

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SO W320     694        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     695        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     696        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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SO W320     720        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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SO W320     745        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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SO W320     796        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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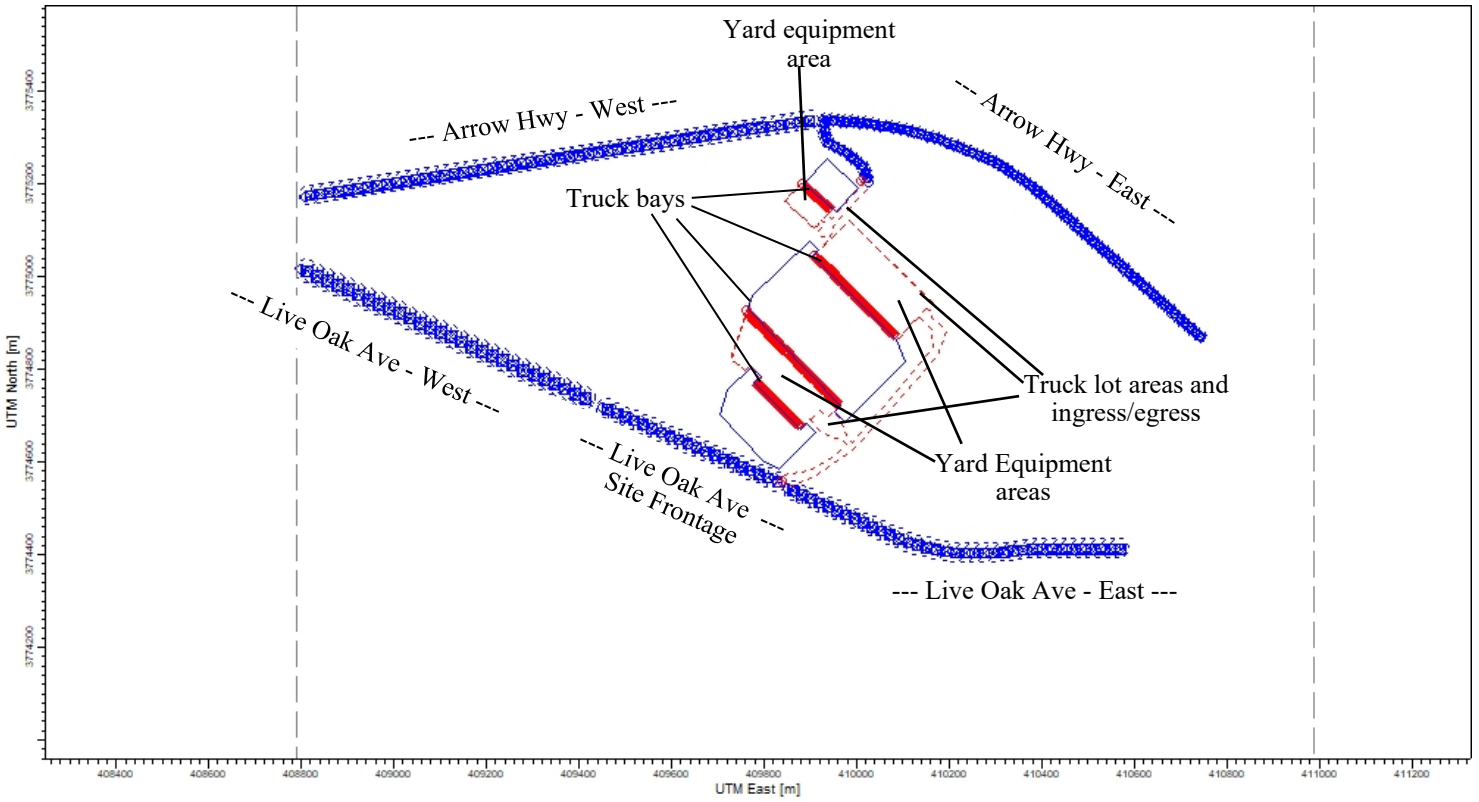
SO W320     818        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     819        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     820        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     821        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     822        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     823        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     824        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
ME W186    6673       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used         0.50
ME W187    6673       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

Irwindale Gateway Specific Plan - Option 1
Irwindale, CA
Operation 24 hours per day, 7 days per week

Trucking Operations
Heavy-Heavy Duty Trucks: 275 trucks per day (round trip); Idling 30 min/day
Transport Refrigeration Units (TRUs): 107 trucks per day (round trip), cycling on for 2 hours per day
Additional: 53 forklifts and 4 yard trucks operating 8 hours per day



- Release height of 4.15 m and initial vertical dimension (δy) of 1.93 m is based upon California Air Resources Board's "Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles" (2000).
- The following point source specifications were used to model truck idling at loading bays: stack temp 366 K, stack velocity 51.7 m/s, stack diameter 4 in, stack height 4.15 m (CARB, Risk Characterization Scenarios, Appendix VII for idling diesel trucks, 2000).

*** 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   348 Source(s),
       for Total of   1 Urban Area(s):
  Urban Population =   9818605.0 ; 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: OTHER

**Model Calculates PERIOD Averages Only

**This Run Includes: 348 Source(s);   9 Source Group(s); and   198 Receptor(s)

               with: 128 POINT(s), including
                           0 POINTCAP(s) and   0 POINTHOR(s)
                and: 215 VOLUME source(s)
                and: 5 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 External File(s) of High Values for Plotting (PLOTFILE Keyword)

```
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE:  The Following Flags May Appear Following CONC Values:  c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   182.00 ;  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 =      4.4 MB of RAM.

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

**Detailed Error/Message File:   IRW04_Op2.err
**File for Summary of Results:   IRW04_Op2.sum
```

*** 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
STCK1	0	0.10000E+01	409891.9	3775192.5	125.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK2	0	0.10000E+01	409895.0	3775189.3	125.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK3	0	0.10000E+01	409899.9	3775184.6	125.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK4	0	0.10000E+01	409902.8	3775182.1	125.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK5	0	0.10000E+01	409905.7	3775179.4	125.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK6	0	0.10000E+01	409908.8	3775176.6	125.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK7	0	0.10000E+01	409912.0	3775174.5	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK8	0	0.10000E+01	409915.1	3775171.4	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK9	0	0.10000E+01	409919.0	3775167.9	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK10	0	0.10000E+01	409921.6	3775164.7	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK11	0	0.10000E+01	409928.2	3775159.6	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK12	0	0.10000E+01	409930.7	3775156.8	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK13	0	0.10000E+01	409933.0	3775154.7	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK14	0	0.10000E+01	409935.5	3775152.0	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK15	0	0.10000E+01	409938.9	3775149.0	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK16	0	0.10000E+01	409915.3	3775039.2	126.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK17	0	0.10000E+01	409918.2	3775036.7	126.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK18	0	0.10000E+01	409921.1	3775034.0	126.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK19	0	0.10000E+01	409924.2	3775031.2	126.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK20	0	0.10000E+01	409927.3	3775029.1	126.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK21	0	0.10000E+01	409956.3	3774998.5	127.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK22	0	0.10000E+01	409959.2	3774996.0	127.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK23	0	0.10000E+01	409962.1	3774993.3	127.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK24	0	0.10000E+01	409965.2	3774990.5	127.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK25	0	0.10000E+01	409968.4	3774988.4	127.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK26	0	0.10000E+01	409971.5	3774985.2	127.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK27	0	0.10000E+01	409975.4	3774981.7	127.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK28	0	0.10000E+01	409978.3	3774976.2	127.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK29	0	0.10000E+01	409981.2	3774973.7	127.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK30	0	0.10000E+01	409984.1	3774971.0	126.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK31	0	0.10000E+01	409987.2	3774968.2	126.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK32	0	0.10000E+01	409990.4	3774966.0	126.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK33	0	0.10000E+01	409993.6	3774962.9	126.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK34	0	0.10000E+01	409997.4	3774959.4	125.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK35	0	0.10000E+01	410001.3	3774952.8	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK36	0	0.10000E+01	410004.3	3774950.3	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK37	0	0.10000E+01	410007.2	3774947.6	125.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK38	0	0.10000E+01	410010.2	3774944.8	125.2	4.15	366.00	51.70	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
STCK39	0	0.10000E+01	410013.4	3774942.7	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK40	0	0.10000E+01	410016.6	3774939.5	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK41	0	0.10000E+01	410020.4	3774936.0	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK42	0	0.10000E+01	409933.3	3775022.2	127.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK43	0	0.10000E+01	409936.2	3775019.7	127.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK44	0	0.10000E+01	409939.1	3775017.0	127.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK45	0	0.10000E+01	409942.2	3775014.2	127.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK46	0	0.10000E+01	409945.4	3775012.1	127.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK47	0	0.10000E+01	409948.5	3775008.9	127.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK48	0	0.10000E+01	409952.4	3775005.4	127.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK49	0	0.10000E+01	410023.3	3774931.8	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK50	0	0.10000E+01	410026.3	3774929.3	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK51	0	0.10000E+01	410029.2	3774926.6	125.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK52	0	0.10000E+01	410032.3	3774923.8	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK53	0	0.10000E+01	410035.4	3774921.7	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK54	0	0.10000E+01	410038.6	3774918.5	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK55	0	0.10000E+01	410042.5	3774915.0	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK56	0	0.10000E+01	410044.7	3774910.4	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK57	0	0.10000E+01	410047.6	3774907.9	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK58	0	0.10000E+01	410050.5	3774905.2	125.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK59	0	0.10000E+01	410053.6	3774902.4	125.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK60	0	0.10000E+01	410056.8	3774900.3	125.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK61	0	0.10000E+01	410059.9	3774897.2	125.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK62	0	0.10000E+01	410063.8	3774893.7	125.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK63	0	0.10000E+01	410067.9	3774886.9	125.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK64	0	0.10000E+01	410070.8	3774884.4	126.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK65	0	0.10000E+01	410073.7	3774881.7	126.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK66	0	0.10000E+01	410076.8	3774878.9	126.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK67	0	0.10000E+01	410080.0	3774876.8	126.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK68	0	0.10000E+01	409929.1	3775025.2	126.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK69	0	0.10000E+01	409780.1	3774929.1	121.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK70	0	0.10000E+01	409783.0	3774926.6	122.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK71	0	0.10000E+01	409785.9	3774923.9	122.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK72	0	0.10000E+01	409789.0	3774921.1	122.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK73	0	0.10000E+01	409790.9	3774918.3	122.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK74	0	0.10000E+01	409821.1	3774888.4	123.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK75	0	0.10000E+01	409824.1	3774885.9	123.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK76	0	0.10000E+01	409827.0	3774883.2	123.4	4.15	366.00	51.70	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
STCK77	0	0.10000E+01	409830.1	3774880.4	123.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK78	0	0.10000E+01	409833.2	3774878.3	123.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK79	0	0.10000E+01	409836.4	3774875.1	123.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK80	0	0.10000E+01	409840.2	3774871.7	123.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK81	0	0.10000E+01	409843.2	3774866.1	123.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK82	0	0.10000E+01	409846.1	3774863.6	124.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK83	0	0.10000E+01	409849.0	3774860.9	124.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK84	0	0.10000E+01	409852.1	3774858.1	124.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK85	0	0.10000E+01	409855.2	3774856.0	124.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK86	0	0.10000E+01	409858.4	3774852.8	124.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK87	0	0.10000E+01	409862.3	3774849.3	125.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK88	0	0.10000E+01	409866.2	3774842.7	126.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK89	0	0.10000E+01	409869.1	3774840.2	127.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK90	0	0.10000E+01	409872.0	3774837.5	128.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK91	0	0.10000E+01	409875.1	3774834.7	129.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK92	0	0.10000E+01	409878.3	3774832.6	130.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK93	0	0.10000E+01	409881.4	3774829.4	131.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK94	0	0.10000E+01	409885.3	3774825.9	132.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK95	0	0.10000E+01	409799.8	3774910.9	122.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK96	0	0.10000E+01	409802.7	3774908.4	122.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK97	0	0.10000E+01	409805.6	3774905.7	122.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK98	0	0.10000E+01	409808.7	3774902.9	122.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK99	0	0.10000E+01	409811.9	3774900.8	123.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK100	0	0.10000E+01	409815.1	3774897.6	123.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK101	0	0.10000E+01	409818.9	3774894.1	123.2	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK102	0	0.10000E+01	409889.3	3774819.2	133.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK103	0	0.10000E+01	409892.2	3774816.7	133.5	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK104	0	0.10000E+01	409895.1	3774814.0	133.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK105	0	0.10000E+01	409898.2	3774811.2	134.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK106	0	0.10000E+01	409901.4	3774809.1	134.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK107	0	0.10000E+01	409904.5	3774806.0	134.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK108	0	0.10000E+01	409908.4	3774802.5	134.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK109	0	0.10000E+01	409910.6	3774797.9	134.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK110	0	0.10000E+01	409913.6	3774795.4	134.7	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK111	0	0.10000E+01	409916.5	3774792.7	134.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK112	0	0.10000E+01	409919.5	3774789.9	134.4	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK113	0	0.10000E+01	409922.7	3774787.8	134.3	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK114	0	0.10000E+01	409925.9	3774784.6	134.2	4.15	366.00	51.70	0.10	YES	YES	NO	

STCK115	0	0.10000E+01	409929.7	3774781.1	134.1	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK116	0	0.10000E+01	409957.1	3774751.3	133.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK117	0	0.10000E+01	409960.0	3774748.8	133.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK118	0	0.10000E+01	409962.9	3774746.1	133.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK119	0	0.10000E+01	409966.0	3774743.3	133.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK120	0	0.10000E+01	409969.2	3774741.2	133.9	4.15	366.00	51.70	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
STCK121	0	0.10000E+01	409793.9	3774915.1	122.6	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK122	0	0.10000E+01	409933.5	3774775.0	134.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK123	0	0.10000E+01	409936.4	3774772.5	134.0	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK124	0	0.10000E+01	409939.3	3774769.8	133.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK125	0	0.10000E+01	409942.4	3774767.0	133.9	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK126	0	0.10000E+01	409945.6	3774764.9	133.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK127	0	0.10000E+01	409948.7	3774761.8	133.8	4.15	366.00	51.70	0.10	YES	YES	NO	
STCK128	0	0.10000E+01	409952.6	3774758.3	133.7	4.15	366.00	51.70	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
L0000001	0	0.27778E-01	409862.2	3774537.8	121.7	4.15	9.77	3.26	YES	
L0000002	0	0.27778E-01	409881.3	3774529.2	122.5	4.15	9.77	3.26	YES	
L0000003	0	0.27778E-01	409900.4	3774520.5	123.0	4.15	9.77	3.26	YES	
L0000004	0	0.27778E-01	409919.6	3774511.9	123.1	4.15	9.77	3.26	YES	
L0000005	0	0.27778E-01	409938.7	3774503.2	124.0	4.15	9.77	3.26	YES	
L0000006	0	0.27778E-01	409957.9	3774494.6	124.3	4.15	9.77	3.26	YES	
L0000007	0	0.27778E-01	409977.0	3774486.0	121.0	4.15	9.77	3.26	YES	
L0000008	0	0.27778E-01	409996.1	3774477.3	119.6	4.15	9.77	3.26	YES	
L0000009	0	0.27778E-01	410015.3	3774468.7	119.3	4.15	9.77	3.26	YES	
L0000010	0	0.27778E-01	410034.4	3774460.1	119.4	4.15	9.77	3.26	YES	
L0000011	0	0.27778E-01	410053.6	3774451.4	120.0	4.15	9.77	3.26	YES	
L0000012	0	0.27778E-01	410072.7	3774442.8	121.8	4.15	9.77	3.26	YES	
L0000013	0	0.27778E-01	410091.8	3774434.1	123.9	4.15	9.77	3.26	YES	
L0000014	0	0.27778E-01	410111.0	3774425.5	124.2	4.15	9.77	3.26	YES	
L0000015	0	0.27778E-01	410131.2	3774420.2	123.6	4.15	9.77	3.26	YES	
L0000016	0	0.27778E-01	410151.7	3774415.6	123.3	4.15	9.77	3.26	YES	
L0000017	0	0.27778E-01	410172.2	3774411.0	123.0	4.15	9.77	3.26	YES	
L0000018	0	0.27778E-01	410192.7	3774406.4	122.7	4.15	9.77	3.26	YES	
L0000019	0	0.27778E-01	410213.3	3774403.2	122.6	4.15	9.77	3.26	YES	
L0000020	0	0.27778E-01	410234.3	3774403.2	122.6	4.15	9.77	3.26	YES	
L0000021	0	0.27778E-01	410255.3	3774403.2	122.7	4.15	9.77	3.26	YES	
L0000022	0	0.27778E-01	410276.3	3774403.2	122.9	4.15	9.77	3.26	YES	
L0000023	0	0.27778E-01	410297.3	3774403.2	123.2	4.15	9.77	3.26	YES	
L0000024	0	0.27778E-01	410318.2	3774404.9	123.6	4.15	9.77	3.26	YES	
L0000025	0	0.27778E-01	410339.1	3774407.5	123.9	4.15	9.77	3.26	YES	
L0000026	0	0.27778E-01	410359.9	3774410.1	124.2	4.15	9.77	3.26	YES	
L0000027	0	0.27778E-01	410380.8	3774412.4	124.4	4.15	9.77	3.26	YES	
L0000028	0	0.27778E-01	410401.8	3774412.4	124.5	4.15	9.77	3.26	YES	
L0000029	0	0.27778E-01	410422.8	3774412.4	124.5	4.15	9.77	3.26	YES	
L0000030	0	0.27778E-01	410443.8	3774412.4	124.6	4.15	9.77	3.26	YES	
L0000031	0	0.27778E-01	410464.8	3774412.4	124.7	4.15	9.77	3.26	YES	
L0000032	0	0.27778E-01	410485.8	3774412.4	124.7	4.15	9.77	3.26	YES	
L0000033	0	0.27778E-01	410506.8	3774412.4	124.7	4.15	9.77	3.26	YES	
L0000034	0	0.27778E-01	410527.8	3774412.4	124.8	4.15	9.77	3.26	YES	
L0000035	0	0.27778E-01	410548.8	3774412.4	124.9	4.15	9.77	3.26	YES	
L0000036	0	0.27778E-01	410569.8	3774412.4	125.1	4.15	9.77	3.26	YES	
L0000037	0	0.50000E-01	409461.6	3774714.0	120.2	4.15	9.77	3.26	YES	
L0000038	0	0.50000E-01	409480.9	3774705.7	118.3	4.15	9.77	3.26	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
L0000039	0	0.50000E-01	409500.2	3774697.5	113.4	4.15	9.77	3.26	YES	
L0000040	0	0.50000E-01	409519.5	3774689.2	112.9	4.15	9.77	3.26	YES	
L0000041	0	0.50000E-01	409538.8	3774680.9	112.9	4.15	9.77	3.26	YES	
L0000042	0	0.50000E-01	409558.1	3774672.6	116.6	4.15	9.77	3.26	YES	
L0000043	0	0.50000E-01	409577.4	3774664.4	120.6	4.15	9.77	3.26	YES	
L0000044	0	0.50000E-01	409596.7	3774656.1	120.5	4.15	9.77	3.26	YES	
L0000045	0	0.50000E-01	409616.0	3774647.8	120.4	4.15	9.77	3.26	YES	
L0000046	0	0.50000E-01	409635.3	3774639.6	120.4	4.15	9.77	3.26	YES	
L0000047	0	0.50000E-01	409654.6	3774631.3	120.5	4.15	9.77	3.26	YES	
L0000048	0	0.50000E-01	409673.9	3774623.0	120.6	4.15	9.77	3.26	YES	
L0000049	0	0.50000E-01	409693.2	3774614.7	120.5	4.15	9.77	3.26	YES	
L0000050	0	0.50000E-01	409712.5	3774606.5	120.5	4.15	9.77	3.26	YES	
L0000051	0	0.50000E-01	409731.8	3774598.2	120.8	4.15	9.77	3.26	YES	
L0000052	0	0.50000E-01	409751.1	3774589.9	121.0	4.15	9.77	3.26	YES	
L0000053	0	0.50000E-01	409770.4	3774581.6	120.7	4.15	9.77	3.26	YES	
L0000054	0	0.50000E-01	409789.7	3774573.4	120.8	4.15	9.77	3.26	YES	
L0000055	0	0.50000E-01	409809.0	3774565.1	121.2	4.15	9.77	3.26	YES	
L0000056	0	0.50000E-01	409828.3	3774556.8	121.4	4.15	9.77	3.26	YES	
L0000057	0	0.35714E-01	408812.2	3775011.8	115.1	4.15	11.40	3.26	YES	
L0000058	0	0.35714E-01	408834.5	3775001.7	113.8	4.15	11.40	3.26	YES	
L0000059	0	0.35714E-01	408856.8	3774991.5	115.2	4.15	11.40	3.26	YES	
L0000060	0	0.35714E-01	408879.1	3774981.3	116.1	4.15	11.40	3.26	YES	
L0000061	0	0.35714E-01	408901.4	3774971.2	115.8	4.15	11.40	3.26	YES	
L0000062	0	0.35714E-01	408923.7	3774961.0	115.7	4.15	11.40	3.26	YES	
L0000063	0	0.35714E-01	408946.0	3774950.8	115.8	4.15	11.40	3.26	YES	
L0000064	0	0.35714E-01	408968.3	3774940.6	115.9	4.15	11.40	3.26	YES	
L0000065	0	0.35714E-01	408990.6	3774930.5	115.9	4.15	11.40	3.26	YES	
L0000066	0	0.35714E-01	409012.9	3774920.3	116.1	4.15	11.40	3.26	YES	
L0000067	0	0.35714E-01	409035.1	3774910.1	116.1	4.15	11.40	3.26	YES	
L0000068	0	0.35714E-01	409057.4	3774900.0	116.3	4.15	11.40	3.26	YES	
L0000069	0	0.35714E-01	409079.7	3774889.8	116.5	4.15	11.40	3.26	YES	
L0000070	0	0.35714E-01	409102.0	3774879.6	116.7	4.15	11.40	3.26	YES	
L0000071	0	0.35714E-01	409124.3	3774869.5	116.9	4.15	11.40	3.26	YES	
L0000072	0	0.35714E-01	409146.6	3774859.3	117.1	4.15	11.40	3.26	YES	
L0000073	0	0.35714E-01	409168.9	3774849.1	117.5	4.15	11.40	3.26	YES	
L0000074	0	0.35714E-01	409191.2	3774839.0	117.7	4.15	11.40	3.26	YES	
L0000075	0	0.35714E-01	409213.5	3774828.8	117.6	4.15	11.40	3.26	YES	
L0000076	0	0.35714E-01	409235.8	3774818.6	117.9	4.15	11.40	3.26	YES	

L0000077	0	0.35714E-01	409258.0	3774808.5	118.0	4.15	11.40	3.26	YES	
L0000078	0	0.35714E-01	409280.3	3774798.3	118.1	4.15	11.40	3.26	YES	
L0000079	0	0.35714E-01	409302.6	3774788.1	118.3	4.15	11.40	3.26	YES	
L0000080	0	0.35714E-01	409324.9	3774777.9	118.3	4.15	11.40	3.26	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
L0000081	0	0.35714E-01	409347.2	3774767.8	118.8	4.15	11.40	3.26	YES	
L0000082	0	0.35714E-01	409369.5	3774757.6	119.2	4.15	11.40	3.26	YES	
L0000083	0	0.35714E-01	409391.8	3774747.4	119.4	4.15	11.40	3.26	YES	
L0000084	0	0.35714E-01	409414.1	3774737.3	119.5	4.15	11.40	3.26	YES	
L0000085	0	0.12821E-01	410022.8	3775212.1	127.4	4.15	6.88	3.26	YES	
L0000086	0	0.12821E-01	410018.6	3775226.2	127.5	4.15	6.88	3.26	YES	
L0000087	0	0.12821E-01	410012.5	3775239.2	128.0	4.15	6.88	3.26	YES	
L0000088	0	0.12821E-01	410001.1	3775248.7	127.9	4.15	6.88	3.26	YES	
L0000089	0	0.12821E-01	409989.7	3775258.1	127.4	4.15	6.88	3.26	YES	
L0000090	0	0.12821E-01	409978.4	3775267.6	127.5	4.15	6.88	3.26	YES	
L0000091	0	0.12821E-01	409965.4	3775274.8	127.4	4.15	6.88	3.26	YES	
L0000092	0	0.12821E-01	409952.3	3775281.7	127.3	4.15	6.88	3.26	YES	
L0000093	0	0.12821E-01	409939.2	3775288.6	127.3	4.15	6.88	3.26	YES	
L0000094	0	0.12821E-01	409934.6	3775301.8	128.0	4.15	6.88	3.26	YES	
L0000095	0	0.12821E-01	409931.8	3775316.3	128.9	4.15	6.88	3.26	YES	
L0000096	0	0.12821E-01	409928.9	3775330.8	129.4	4.15	6.88	3.26	YES	
L0000097	0	0.12821E-01	409934.4	3775338.0	129.3	4.15	6.88	3.26	YES	
L0000098	0	0.12821E-01	409949.1	3775336.8	128.9	4.15	6.88	3.26	YES	
L0000099	0	0.12821E-01	409963.9	3775335.7	128.6	4.15	6.88	3.26	YES	
L0000100	0	0.12821E-01	409978.6	3775334.5	127.1	4.15	6.88	3.26	YES	
L0000101	0	0.12821E-01	409993.4	3775333.4	125.9	4.15	6.88	3.26	YES	
L0000102	0	0.12821E-01	410008.1	3775332.2	127.2	4.15	6.88	3.26	YES	
L0000103	0	0.12821E-01	410022.9	3775331.1	128.0	4.15	6.88	3.26	YES	
L0000104	0	0.12821E-01	410037.5	3775328.5	127.9	4.15	6.88	3.26	YES	
L0000105	0	0.12821E-01	410052.0	3775325.9	127.9	4.15	6.88	3.26	YES	
L0000106	0	0.12821E-01	410066.6	3775323.3	127.9	4.15	6.88	3.26	YES	
L0000107	0	0.12821E-01	410081.2	3775320.7	128.0	4.15	6.88	3.26	YES	
L0000108	0	0.12821E-01	410095.7	3775318.1	128.2	4.15	6.88	3.26	YES	
L0000109	0	0.12821E-01	410110.2	3775314.8	128.4	4.15	6.88	3.26	YES	
L0000110	0	0.12821E-01	410124.5	3775311.1	128.6	4.15	6.88	3.26	YES	
L0000111	0	0.12821E-01	410138.9	3775307.5	128.6	4.15	6.88	3.26	YES	
L0000112	0	0.12821E-01	410153.2	3775303.9	128.8	4.15	6.88	3.26	YES	
L0000113	0	0.12821E-01	410167.5	3775300.2	129.2	4.15	6.88	3.26	YES	
L0000114	0	0.12821E-01	410181.6	3775295.7	129.0	4.15	6.88	3.26	YES	

L0000115	0	0.12821E-01	410195.3	3775290.1	128.6	4.15	6.88	3.26	YES
L0000116	0	0.12821E-01	410209.0	3775284.6	128.9	4.15	6.88	3.26	YES
L0000117	0	0.12821E-01	410222.7	3775279.0	129.1	4.15	6.88	3.26	YES
L0000118	0	0.12821E-01	410236.4	3775273.4	129.3	4.15	6.88	3.26	YES
L0000119	0	0.12821E-01	410250.1	3775267.8	129.5	4.15	6.88	3.26	YES
L0000120	0	0.12821E-01	410263.9	3775262.2	129.3	4.15	6.88	3.26	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
L0000121	0	0.12821E-01	410277.6	3775256.6	129.1	4.15	6.88	3.26	YES	
L0000122	0	0.12821E-01	410291.3	3775251.1	129.3	4.15	6.88	3.26	YES	
L0000123	0	0.12821E-01	410304.1	3775243.8	129.5	4.15	6.88	3.26	YES	
L0000124	0	0.12821E-01	410316.6	3775235.9	129.5	4.15	6.88	3.26	YES	
L0000125	0	0.12821E-01	410329.1	3775228.0	129.3	4.15	6.88	3.26	YES	
L0000126	0	0.12821E-01	410341.7	3775220.1	129.5	4.15	6.88	3.26	YES	
L0000127	0	0.12821E-01	410354.2	3775212.2	129.7	4.15	6.88	3.26	YES	
L0000128	0	0.12821E-01	410366.7	3775204.3	129.7	4.15	6.88	3.26	YES	
L0000129	0	0.12821E-01	410378.8	3775195.9	129.6	4.15	6.88	3.26	YES	
L0000130	0	0.12821E-01	410389.8	3775186.0	129.8	4.15	6.88	3.26	YES	
L0000131	0	0.12821E-01	410400.9	3775176.2	129.9	4.15	6.88	3.26	YES	
L0000132	0	0.12821E-01	410411.9	3775166.3	130.0	4.15	6.88	3.26	YES	
L0000133	0	0.12821E-01	410422.9	3775156.4	130.0	4.15	6.88	3.26	YES	
L0000134	0	0.12821E-01	410434.0	3775146.6	130.2	4.15	6.88	3.26	YES	
L0000135	0	0.12821E-01	410445.0	3775136.7	130.4	4.15	6.88	3.26	YES	
L0000136	0	0.12821E-01	410456.1	3775126.9	130.6	4.15	6.88	3.26	YES	
L0000137	0	0.12821E-01	410467.1	3775117.0	130.9	4.15	6.88	3.26	YES	
L0000138	0	0.12821E-01	410478.1	3775107.1	131.4	4.15	6.88	3.26	YES	
L0000139	0	0.12821E-01	410489.2	3775097.3	131.1	4.15	6.88	3.26	YES	
L0000140	0	0.12821E-01	410500.2	3775087.4	130.3	4.15	6.88	3.26	YES	
L0000141	0	0.12821E-01	410511.2	3775077.6	130.5	4.15	6.88	3.26	YES	
L0000142	0	0.12821E-01	410522.3	3775067.7	131.6	4.15	6.88	3.26	YES	
L0000143	0	0.12821E-01	410533.3	3775057.8	131.1	4.15	6.88	3.26	YES	
L0000144	0	0.12821E-01	410544.4	3775048.0	128.1	4.15	6.88	3.26	YES	
L0000145	0	0.12821E-01	410555.4	3775038.1	124.5	4.15	6.88	3.26	YES	
L0000146	0	0.12821E-01	410566.4	3775028.3	124.9	4.15	6.88	3.26	YES	
L0000147	0	0.12821E-01	410577.5	3775018.4	124.5	4.15	6.88	3.26	YES	
L0000148	0	0.12821E-01	410588.5	3775008.5	127.8	4.15	6.88	3.26	YES	
L0000149	0	0.12821E-01	410599.5	3774998.7	131.6	4.15	6.88	3.26	YES	
L0000150	0	0.12821E-01	410610.6	3774988.8	132.2	4.15	6.88	3.26	YES	
L0000151	0	0.12821E-01	410621.6	3774979.0	132.0	4.15	6.88	3.26	YES	
L0000152	0	0.12821E-01	410632.7	3774969.1	131.2	4.15	6.88	3.26	YES	

L0000153	0	0.12821E-01	410643.7	3774959.2	130.9	4.15	6.88	3.26	YES
L0000154	0	0.12821E-01	410654.7	3774949.4	131.1	4.15	6.88	3.26	YES
L0000155	0	0.12821E-01	410665.8	3774939.5	130.5	4.15	6.88	3.26	YES
L0000156	0	0.12821E-01	410676.8	3774929.7	130.3	4.15	6.88	3.26	YES
L0000157	0	0.12821E-01	410687.8	3774919.8	130.4	4.15	6.88	3.26	YES
L0000158	0	0.12821E-01	410698.9	3774909.9	129.8	4.15	6.88	3.26	YES
L0000159	0	0.12821E-01	410709.9	3774900.1	130.0	4.15	6.88	3.26	YES
L0000160	0	0.12821E-01	410721.0	3774890.2	130.1	4.15	6.88	3.26	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
L0000161	0	0.12821E-01	410732.0	3774880.4	129.9	4.15	6.88	3.26	YES	
L0000162	0	0.12821E-01	410743.0	3774870.5	130.3	4.15	6.88	3.26	YES	
L0000163	0	0.18868E-01	408818.6	3775175.0	116.7	4.15	9.77	3.26	YES	
L0000164	0	0.18868E-01	408839.4	3775178.1	117.0	4.15	9.77	3.26	YES	
L0000165	0	0.18868E-01	408860.2	3775181.3	117.5	4.15	9.77	3.26	YES	
L0000166	0	0.18868E-01	408880.9	3775184.4	117.5	4.15	9.77	3.26	YES	
L0000167	0	0.18868E-01	408901.7	3775187.5	117.7	4.15	9.77	3.26	YES	
L0000168	0	0.18868E-01	408922.5	3775190.7	117.9	4.15	9.77	3.26	YES	
L0000169	0	0.18868E-01	408943.2	3775193.8	118.2	4.15	9.77	3.26	YES	
L0000170	0	0.18868E-01	408964.0	3775196.9	118.5	4.15	9.77	3.26	YES	
L0000171	0	0.18868E-01	408984.8	3775200.1	118.7	4.15	9.77	3.26	YES	
L0000172	0	0.18868E-01	409005.5	3775203.2	118.8	4.15	9.77	3.26	YES	
L0000173	0	0.18868E-01	409026.3	3775206.3	119.0	4.15	9.77	3.26	YES	
L0000174	0	0.18868E-01	409047.1	3775209.5	119.6	4.15	9.77	3.26	YES	
L0000175	0	0.18868E-01	409067.8	3775212.6	119.6	4.15	9.77	3.26	YES	
L0000176	0	0.18868E-01	409088.6	3775215.7	119.8	4.15	9.77	3.26	YES	
L0000177	0	0.18868E-01	409109.4	3775218.9	120.1	4.15	9.77	3.26	YES	
L0000178	0	0.18868E-01	409130.1	3775222.0	120.2	4.15	9.77	3.26	YES	
L0000179	0	0.18868E-01	409150.9	3775225.1	120.0	4.15	9.77	3.26	YES	
L0000180	0	0.18868E-01	409171.6	3775228.3	120.0	4.15	9.77	3.26	YES	
L0000181	0	0.18868E-01	409192.4	3775231.4	120.0	4.15	9.77	3.26	YES	
L0000182	0	0.18868E-01	409213.2	3775234.6	120.0	4.15	9.77	3.26	YES	
L0000183	0	0.18868E-01	409233.9	3775237.7	120.1	4.15	9.77	3.26	YES	
L0000184	0	0.18868E-01	409254.7	3775240.8	120.3	4.15	9.77	3.26	YES	
L0000185	0	0.18868E-01	409275.5	3775244.0	120.5	4.15	9.77	3.26	YES	
L0000186	0	0.18868E-01	409296.2	3775247.1	120.8	4.15	9.77	3.26	YES	
L0000187	0	0.18868E-01	409317.0	3775250.2	121.2	4.15	9.77	3.26	YES	
L0000188	0	0.18868E-01	409337.8	3775253.4	121.4	4.15	9.77	3.26	YES	
L0000189	0	0.18868E-01	409358.5	3775256.5	121.5	4.15	9.77	3.26	YES	

L0000190	0	0.18868E-01	409379.3	3775259.6	121.6	4.15	9.77	3.26	YES
L0000191	0	0.18868E-01	409400.1	3775262.8	121.7	4.15	9.77	3.26	YES
L0000192	0	0.18868E-01	409420.8	3775265.9	121.8	4.15	9.77	3.26	YES
L0000193	0	0.18868E-01	409441.6	3775269.1	122.0	4.15	9.77	3.26	YES
L0000194	0	0.18868E-01	409462.3	3775272.2	122.3	4.15	9.77	3.26	YES
L0000195	0	0.18868E-01	409483.1	3775275.4	122.8	4.15	9.77	3.26	YES
L0000196	0	0.18868E-01	409503.9	3775278.5	123.0	4.15	9.77	3.26	YES
L0000197	0	0.18868E-01	409524.6	3775281.7	123.0	4.15	9.77	3.26	YES
L0000198	0	0.18868E-01	409545.4	3775284.8	123.2	4.15	9.77	3.26	YES
L0000199	0	0.18868E-01	409566.2	3775288.0	123.7	4.15	9.77	3.26	YES
L0000200	0	0.18868E-01	409586.9	3775291.1	124.3	4.15	9.77	3.26	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
L0000201	0	0.18868E-01	409607.7	3775294.3	124.7	4.15	9.77	3.26	YES	
L0000202	0	0.18868E-01	409628.4	3775297.4	125.4	4.15	9.77	3.26	YES	
L0000203	0	0.18868E-01	409649.2	3775300.6	126.4	4.15	9.77	3.26	YES	
L0000204	0	0.18868E-01	409670.0	3775303.7	127.3	4.15	9.77	3.26	YES	
L0000205	0	0.18868E-01	409690.7	3775306.9	127.6	4.15	9.77	3.26	YES	
L0000206	0	0.18868E-01	409711.5	3775310.0	127.3	4.15	9.77	3.26	YES	
L0000207	0	0.18868E-01	409732.3	3775313.2	128.4	4.15	9.77	3.26	YES	
L0000208	0	0.18868E-01	409753.0	3775316.3	129.6	4.15	9.77	3.26	YES	
L0000209	0	0.18868E-01	409773.8	3775319.3	127.1	4.15	9.77	3.26	YES	
L0000210	0	0.18868E-01	409794.6	3775322.3	124.1	4.15	9.77	3.26	YES	
L0000211	0	0.18868E-01	409815.4	3775325.3	123.6	4.15	9.77	3.26	YES	
L0000212	0	0.18868E-01	409836.2	3775328.2	123.4	4.15	9.77	3.26	YES	
L0000213	0	0.18868E-01	409857.0	3775331.2	126.5	4.15	9.77	3.26	YES	
L0000214	0	0.18868E-01	409877.7	3775334.2	129.1	4.15	9.77	3.26	YES	
L0000215	0	0.18868E-01	409898.6	3775336.2	130.4	4.15	9.77	3.26	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
PAREA3	0	0.17075E-04	410011.1	3775205.9	127.3	4.15	15	1.93	YES	
PAREA4	0	0.22966E-04	409883.7	3775201.6	125.5	4.15	4	1.93	YES	
PAREA5	0	0.22931E-04	409907.1	3775046.5	126.5	4.15	4	1.93	YES	
PAREA7	0	0.17584E-04	409834.2	3774562.8	121.8	4.15	31	1.93	YES	
PAREA8	0	0.22710E-04	409774.9	3774944.0	120.6	4.15	5	1.93	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
B2_IDLE	STCK1 , STCK2 , STCK3 , STCK4 , STCK5 , STCK6 , STCK7 , STCK8 ,
	STCK9 , STCK10 , STCK11 , STCK12 , STCK13 , STCK14 , STCK15 ,
B1_IDLE	STCK16 , STCK17 , STCK18 , STCK19 , STCK20 , STCK21 , STCK22 , STCK23 ,
	STCK24 , STCK25 , STCK26 , STCK27 , STCK28 , STCK29 , STCK30 , STCK31 ,
	STCK32 , STCK33 , STCK34 , STCK35 , STCK36 , STCK37 , STCK38 , STCK39 ,
	STCK40 , STCK41 , STCK42 , STCK43 , STCK44 , STCK45 , STCK46 , STCK47 ,
	STCK48 , STCK49 , STCK50 , STCK51 , STCK52 , STCK53 , STCK54 , STCK55 ,
	STCK56 , STCK57 , STCK58 , STCK59 , STCK60 , STCK61 , STCK62 , STCK63 ,
	STCK64 , STCK65 , STCK66 , STCK67 , STCK68 , STCK69 , STCK70 , STCK71 ,
	STCK72 , STCK73 , STCK74 , STCK75 , STCK76 , STCK77 , STCK78 , STCK79 ,
	STCK80 , STCK81 , STCK82 , STCK83 , STCK84 , STCK85 , STCK86 , STCK87 ,
	STCK88 , STCK89 , STCK90 , STCK91 , STCK92 , STCK93 , STCK94 , STCK95 ,
	STCK96 , STCK97 , STCK98 , STCK99 , STCK100 , STCK101 , STCK102 , STCK103 ,
	STCK104 , STCK105 , STCK106 , STCK107 , STCK108 , STCK109 , STCK110 , STCK111 ,
	STCK112 , STCK113 , STCK114 , STCK115 , STCK116 , STCK117 , STCK118 , STCK119 ,
	STCK120 , STCK121 , STCK122 , STCK123 , STCK124 , STCK125 , STCK126 , STCK127 ,
	STCK128 ,
TR_RUNEX	PAREA3 , PAREA7 ,
YARD_EMS	PAREA4 , PAREA5 , PAREA8 ,
LIVEOAKE	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 ,
	L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 , L0000032 ,
	L0000033 , L0000034 , L0000035 , L0000036 ,
LIVEOAKW	L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 , L0000063 , L0000064 ,
	L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 , L0000071 , L0000072 ,
	L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 , L0000079 , L0000080 ,
	L0000081 , L0000082 , L0000083 , L0000084 ,
LIVEOAKF	L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 , L0000044 ,
	L0000045 , L0000046 , L0000047 , L0000048 , L0000049 , L0000050 , L0000051 , L0000052 ,
	L0000053 , L0000054 , L0000055 , L0000056 ,
ARROWH_E	L0000085 , L0000086 , L0000087 , L0000088 , L0000089 , L0000090 , L0000091 , L0000092 ,
	L0000093 , L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 ,
	L0000101 , L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 ,
	L0000109 , L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 ,
	L0000117 , L0000118 , L0000119 , L0000120 , L0000121 , L0000122 , L0000123 , L0000124 ,
	L0000125 , L0000126 , L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 ,
	L0000133 , L0000134 , L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 ,
	L0000141 , L0000142 , L0000143 , L0000144 , L0000145 , L0000146 , L0000147 , L0000148 ,
	L0000149 , L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000157 , L0000158 , L0000159 , L0000160 , L0000161 , L0000162 ,
ARROWH_W	L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 , L0000169 , L0000170 ,
	L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 , L0000177 , L0000178 ,
	L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 , L0000185 , L0000186 ,
	L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 , L0000193 , L0000194 ,
	L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 , L0000201 , L0000202 ,
	L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 , L0000209 , L0000210 ,
	L0000211 , L0000212 , L0000213 , L0000214 , L0000215 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	9818605.	STCK1 , STCK2 , STCK3 , STCK4 , STCK5 , STCK6 , STCK7 , STCK8 ,
		STCK9 , STCK10 , STCK11 , STCK12 , STCK13 , STCK14 , STCK15 , STCK16 ,
		STCK17 , STCK18 , STCK19 , STCK20 , STCK21 , STCK22 , STCK23 , STCK24 ,
		STCK25 , STCK26 , STCK27 , STCK28 , STCK29 , STCK30 , STCK31 , STCK32 ,
		STCK33 , STCK34 , STCK35 , STCK36 , STCK37 , STCK38 , STCK39 , STCK40 ,
		STCK41 , STCK42 , STCK43 , STCK44 , STCK45 , STCK46 , STCK47 , STCK48 ,
		STCK49 , STCK50 , STCK51 , STCK52 , STCK53 , STCK54 , STCK55 , STCK56 ,
		STCK57 , STCK58 , STCK59 , STCK60 , STCK61 , STCK62 , STCK63 , STCK64 ,
		STCK65 , STCK66 , STCK67 , STCK68 , STCK69 , STCK70 , STCK71 , STCK72 ,
		STCK73 , STCK74 , STCK75 , STCK76 , STCK77 , STCK78 , STCK79 , STCK80 ,
		STCK81 , STCK82 , STCK83 , STCK84 , STCK85 , STCK86 , STCK87 , STCK88 ,
		STCK89 , STCK90 , STCK91 , STCK92 , STCK93 , STCK94 , STCK95 , STCK96 ,
		STCK97 , STCK98 , STCK99 , STCK100 , STCK101 , STCK102 , STCK103 , STCK104 ,
		STCK105 , STCK106 , STCK107 , STCK108 , STCK109 , STCK110 , STCK111 , STCK112 ,
		STCK113 , STCK114 , STCK115 , STCK116 , STCK117 , STCK118 , STCK119 , STCK120 ,
		STCK121 , STCK122 , STCK123 , STCK124 , STCK125 , STCK126 , STCK127 , STCK128 ,
		PAREA3 , PAREA4 , PAREA5 , L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
		L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
		L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
		L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , L0000029 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 , L0000036 , L0000037 ,
		L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 , L0000044 , L0000045 ,
		L0000046 , L0000047 , L0000048 , L0000049 , L0000050 , L0000051 , L0000052 , L0000053 ,
		L0000054 , L0000055 , L0000056 , L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
		L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
		L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
		L0000078 , L0000079 , L0000080 , L0000081 , L0000082 , L0000083 , L0000084 , L0000085 ,
		L0000086 , L0000087 , L0000088 , L0000089 , L0000090 , L0000091 , L0000092 , L0000093 ,
		L0000094 , L0000095 , L0000096 , L0000097 , L0000098 , L0000099 , L0000100 , L0000101 ,
		L0000102 , L0000103 , L0000104 , L0000105 , L0000106 , L0000107 , L0000108 , L0000109 ,
		L0000110 , L0000111 , L0000112 , L0000113 , L0000114 , L0000115 , L0000116 , L0000117 ,
		L0000118 , L0000119 , L0000120 , L0000121 , L0000122 , L0000123 , L0000124 , L0000125 ,
		L0000126 , L0000127 , L0000128 , L0000129 , L0000130 , L0000131 , L0000132 , L0000133 ,
		L0000134 , L0000135 , L0000136 , L0000137 , L0000138 , L0000139 , L0000140 , L0000141 ,
		L0000142 , L0000143 , L0000144 , L0000145 , L0000146 , L0000147 , L0000148 , L0000149 ,
		L0000150 , L0000151 , L0000152 , L0000153 , L0000154 , L0000155 , L0000156 , L0000157 ,
		L0000158 , L0000159 , L0000160 , L0000161 , L0000162 , L0000163 , L0000164 , L0000165 ,
		L0000166 , L0000167 , L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 ,
		L0000174 , L0000175 , L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 ,
		L0000182 , L0000183 , L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
		L0000190 , L0000191 , L0000192 , L0000193 , L0000194 , L0000195 , L0000196 , L0000197 ,
		L0000198 , L0000199 , L0000200 , L0000201 , L0000202 , L0000203 , L0000204 , L0000205 ,
		L0000206 , L0000207 , L0000208 , L0000209 , L0000210 , L0000211 , L0000212 , L0000213 ,
		L0000214 , L0000215 , PAREA7 , PAREA8 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	9.1,	117.4,	111.6,	-41.6,	-51.2,	2	9.1,	113.9,	103.3,	-28.7,	-48.0,
3	9.1,	106.9,	91.9,	-14.9,	-43.4,	4	9.1,	96.7,	77.7,	-0.6,	-37.5,
5	9.1,	100.7,	83.1,	1.7,	-30.7,	6	9.1,	109.8,	96.3,	-0.3,	-22.6,
7	9.1,	115.6,	106.7,	-2.3,	-13.7,	8	9.1,	117.8,	113.8,	-4.2,	-4.5,
9	9.1,	116.5,	117.4,	-6.0,	4.9,	10	9.1,	111.6,	117.4,	-7.5,	14.2,
11	9.1,	103.3,	113.9,	-8.9,	23.0,	12	9.1,	91.9,	106.9,	-10.0,	31.1,
13	9.1,	77.7,	96.7,	-10.8,	38.2,	14	9.1,	83.1,	100.7,	-19.7,	43.3,
15	9.1,	96.3,	109.8,	-32.3,	47.9,	16	9.1,	106.7,	115.6,	-44.0,	51.1,
17	9.1,	113.8,	117.8,	-54.4,	52.7,	18	9.1,	117.4,	116.5,	-63.1,	52.7,
19	9.1,	117.4,	111.6,	-69.9,	51.2,	20	9.1,	113.9,	103.3,	-74.6,	48.0,
21	9.1,	106.9,	91.9,	-77.0,	43.4,	22	9.1,	96.7,	77.7,	-77.1,	37.5,
23	9.1,	100.7,	83.1,	-84.8,	30.7,	24	9.1,	109.8,	96.3,	-96.1,	22.6,
25	9.1,	115.6,	106.7,	-104.4,	13.7,	26	9.1,	117.8,	113.8,	-109.6,	4.5,
27	9.1,	116.5,	117.4,	-111.4,	-4.9,	28	9.1,	111.6,	117.4,	-109.9,	-14.2,
29	9.1,	103.3,	113.9,	-105.0,	-23.0,	30	9.1,	91.9,	106.9,	-96.9,	-31.1,
31	9.1,	77.7,	96.7,	-85.9,	-38.2,	32	9.1,	83.1,	100.7,	-81.1,	-43.3,
33	9.1,	96.3,	109.8,	-77.5,	-47.9,	34	9.1,	106.7,	115.6,	-71.5,	-51.1,
35	9.1,	113.8,	117.8,	-63.4,	-52.7,	36	9.1,	117.4,	116.5,	-53.3,	-52.7,

SOURCE ID: STCK2

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	9.1,	117.4,	111.6,	-39.0,	-47.5,	2	9.1,	113.9,	103.3,	-26.8,	-44.0,
3	9.1,	106.9,	91.9,	-13.7,	-39.1,	4	9.1,	96.7,	77.7,	-0.2,	-33.1,
5	9.1,	100.7,	83.1,	1.3,	-26.3,	6	9.1,	109.8,	96.3,	-1.4,	-18.2,
7	9.1,	115.6,	106.7,	-4.1,	-9.7,	8	9.1,	117.8,	113.8,	-6.7,	-0.8,
9	9.1,	116.5,	117.4,	-9.1,	8.1,	10	9.1,	111.6,	117.4,	-11.2,	16.7,
11	9.1,	103.3,	113.9,	-13.0,	24.9,	12	9.1,	91.9,	106.9,	-14.4,	32.2,
13	9.1,	77.7,	96.7,	-15.3,	38.6,	14	9.1,	83.1,	100.7,	-24.1,	42.9,
15	9.1,	96.3,	109.8,	-36.7,	46.8,	16	9.1,	106.7,	115.6,	-48.1,	49.2,
17	9.1,	113.8,	117.8,	-58.1,	50.1,	18	9.1,	117.4,	116.5,	-66.3,	49.6,
19	9.1,	117.4,	111.6,	-72.5,	47.5,	20	9.1,	113.9,	103.3,	-76.5,	44.0,
21	9.1,	106.9,	91.9,	-78.2,	39.1,	22	9.1,	96.7,	77.7,	-77.5,	33.1,
23	9.1,	100.7,	83.1,	-84.4,	26.3,	24	9.1,	109.8,	96.3,	-94.9,	18.2,
25	9.1,	115.6,	106.7,	-102.5,	9.7,	26	9.1,	117.8,	113.8,	-107.0,	0.8,
27	9.1,	116.5,	117.4,	-108.3,	-8.1,	28	9.1,	111.6,	117.4,	-106.2,	-16.7,
29	9.1,	103.3,	113.9,	-100.9,	-24.9,	30	9.1,	91.9,	106.9,	-92.6,	-32.2,
31	9.1,	77.7,	96.7,	-81.4,	-38.6,	32	9.1,	83.1,	100.7,	-76.6,	-42.9,
33	9.1,	96.3,	109.8,	-73.2,	-46.8,	34	9.1,	106.7,	115.6,	-67.5,	-49.2,
35	9.1,	113.8,	117.8,	-59.7,	-50.1,	36	9.1,	117.4,	116.5,	-50.1,	-49.6,

REMAINING STACKS BPIP REPORT OMITTED FROM THIS ATTACHMENT DUE TO LENGTH BUT CAN BE PROVIDED UPON REQUEST

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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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                                 *** 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 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,
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file: ..\..\IRW04_C\met data - 182 m\AZUS_V9_ADJU\AZUS_v9.SFC Met Version: 16216
Profile file: ..\..\IRW04_C\met data - 182 m\AZUS_V9_ADJU\AZUS_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

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
12	01	01	1	01	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	20.	9.1	293.1	5.5
12	01	01	1	02	-32.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.36	1.68	1.00	2.70	99.	9.1	293.1	5.5
12	01	01	1	03	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	14.	9.1	292.0	5.5
12	01	01	1	04	-32.6	0.342	-9.000	-9.000	-999.	480.	128.9	0.36	1.68	1.00	2.70	10.	9.1	292.5	5.5
12	01	01	1	05	-26.4	0.277	-9.000	-9.000	-999.	351.	84.1	0.36	1.68	1.00	2.20	12.	9.1	292.5	5.5
12	01	01	1	06	-21.6	0.224	-9.000	-9.000	-999.	256.	55.2	0.36	1.68	1.00	1.80	118.	9.1	289.2	5.5
12	01	01	1	07	-26.6	0.277	-9.000	-9.000	-999.	349.	84.1	0.36	1.68	1.00	2.20	64.	9.1	290.9	5.5
12	01	01	1	08	-1.3	0.062	-9.000	-9.000	-999.	124.	16.5	0.36	1.68	0.55	0.40	36.	9.1	290.9	5.5
12	01	01	1	09	38.1	0.160	0.348	0.008	39.	153.	-9.5	0.36	1.68	0.32	0.90	124.	9.1	293.8	5.5
12	01	01	1	10	99.5	0.179	0.693	0.007	119.	181.	-5.1	0.36	1.68	0.25	0.90	21.	9.1	298.1	5.5
12	01	01	1	11	142.6	0.494	1.086	0.005	321.	832.	-75.2	0.36	1.68	0.22	3.60	141.	9.1	299.9	5.5
12	01	01	1	12	162.8	0.442	1.385	0.005	582.	709.	-47.3	0.36	1.68	0.21	3.10	122.	9.1	299.9	5.5
12	01	01	1	13	164.4	0.298	1.634	0.005	946.	405.	-14.3	0.36	1.68	0.21	1.80	114.	9.1	300.9	5.5
12	01	01	1	14	142.7	0.293	1.718	0.005	1265.	382.	-15.8	0.36	1.68	0.22	1.80	93.	9.1	302.5	5.5
12	01	01	1	15	96.7	0.283	1.575	0.005	1438.	361.	-20.7	0.36	1.68	0.26	1.80	110.	9.1	303.8	5.5
12	01	01	1	16	41.5	0.207	1.201	0.005	1485.	228.	-18.9	0.36	1.68	0.35	1.30	113.	9.1	304.2	5.5
12	01	01	1	17	-37.8	0.464	-9.000	-9.000	-999.	757.	236.3	0.36	1.68	0.62	3.60	251.	9.1	300.9	5.5
12	01	01	1	18	-26.1	0.277	-9.000	-9.000	-999.	379.	84.2	0.36	1.68	1.00	2.20	8.	9.1	296.4	5.5
12	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.36	1.68	1.00	999.00	999.	-9.0	295.9	5.5
12	01	01	1	20	-5.7	0.107	-9.000	-9.000	-999.	84.	19.3	0.36	1.68	1.00	0.90	35.	9.1	295.4	5.5
12	01	01	1	21	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	213.	9.1	293.8	5.5
12	01	01	1	22	-21.3	0.224	-9.000	-9.000	-999.	255.	55.3	0.36	1.68	1.00	1.80	52.	9.1	293.8	5.5
12	01	01	1	23	-26.3	0.277	-9.000	-9.000	-999.	349.	84.2	0.36	1.68	1.00	2.20	58.	9.1	293.8	5.5
12	01	01	1	24	-21.4	0.224	-9.000	-9.000	-999.	256.	55.3	0.36	1.68	1.00	1.80	83.	9.1	292.5	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	5.5	0	-999.	-99.00	293.2	99.0	-99.00	-99.00
12	01	01	01	9.1	1	20.	1.80	-999.0	99.0	-99.00	-99.00

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B2_IDLE ***
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,
STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 ,
STCK14 , STCK15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	11.26436	410247.56	3773999.13	11.17506
410267.56	3773999.13	11.08282	410287.56	3773999.13	10.98719
410327.56	3773999.13	10.79051	410347.56	3773999.13	10.69116
410367.56	3773999.13	10.58939	410387.56	3773999.13	10.48706
410407.56	3773999.13	10.38331	410427.56	3773999.13	10.27607
410447.56	3773999.13	10.16625	410467.56	3773999.13	10.05485
410487.56	3773999.13	9.94166	410527.56	3773999.13	9.71738
410547.56	3773999.13	9.60529	410567.56	3773999.13	9.49406
410267.56	3774019.13	11.37679	410287.56	3774019.13	11.27558
410327.56	3774019.13	11.06919	410347.56	3774019.13	10.96435
410367.56	3774019.13	10.85631	410387.56	3774019.13	10.74629
410407.56	3774019.13	10.64199	410427.56	3774019.13	10.53100
410447.56	3774019.13	10.41490	410467.56	3774019.13	10.29610
410487.56	3774019.13	10.17609	410529.05	3774026.09	10.00570
410549.05	3774026.09	9.88897	410569.05	3774026.09	9.76722
410287.56	3774039.13	11.57564	410307.56	3774039.13	11.46896
410367.56	3774039.13	11.13067	410387.56	3774039.13	11.01648
410407.56	3774039.13	10.90463	410427.56	3774039.13	10.78621
410447.56	3774039.13	10.66473	410467.56	3774039.13	10.54211
410487.56	3774039.13	10.41585	410307.56	3774059.13	11.77833
410327.56	3774059.13	11.66163	410347.56	3774059.13	11.53959
410387.56	3774059.13	11.29744	410407.56	3774059.13	11.17480
410447.56	3774059.13	10.92172	410467.56	3774059.13	10.79590
410487.56	3774059.13	10.66340	410327.56	3774079.13	11.97183
410347.56	3774079.13	11.84676	410367.56	3774079.13	11.71722
410407.56	3774079.13	11.45343	410447.56	3774079.13	11.18959
410467.56	3774079.13	11.05887	410487.56	3774079.13	10.92039
410530.05	3774073.66	10.55506	410550.05	3774073.66	10.42446
410570.05	3774073.66	10.28991	410367.56	3774099.13	12.02637
410387.56	3774099.13	11.89278	410407.56	3774099.13	11.75073
410447.56	3774099.13	11.46738	410467.56	3774099.13	11.32929
410487.56	3774099.13	11.18610	410507.56	3774099.13	11.03919
410530.05	3774093.66	10.80680	410550.05	3774093.66	10.66842
410570.05	3774093.66	10.52619	410387.56	3774119.13	12.21084
410407.56	3774119.13	12.06269	410427.56	3774119.13	11.90932

410467.56	3774119.13	11.61009	410487.56	3774119.13	11.46088
410507.56	3774119.13	11.31226	410527.56	3774119.13	11.16078
410547.56	3774119.13	11.00754	410567.56	3774119.13	10.85544
410427.56	3774139.13	12.22219	410447.56	3774139.13	12.06452
410467.56	3774139.13	11.90717	410507.56	3774139.13	11.58574

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B2_IDLE ***
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,
STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 ,
STCK14 , STCK15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	11.42779		410547.56	3774139.13	11.26921
410567.56	3774139.13	11.10872		410447.56	3774159.13	12.38176
410467.56	3774159.13	12.21486		410487.56	3774159.13	12.04378
410487.56	3774179.13	12.35652		410507.56	3774179.13	12.17727
410527.56	3774179.13	11.99794		410547.56	3774179.13	11.81887
410567.56	3774179.13	11.64100		410587.56	3774179.13	11.46050
410507.56	3774199.13	12.48594	MEIR	410527.56	3774199.13	12.29745
410547.56	3774199.13	12.10839		410567.56	3774199.13	11.92180
410587.56	3774199.13	11.73160		410220.28	3775328.17	367.76993
410240.28	3775328.17	349.69886		410260.28	3775328.17	329.90759
410200.28	3775348.17	324.88560		410220.28	3775348.17	316.05937
410240.28	3775348.17	306.28856		410260.28	3775348.17	292.85315
410100.28	3775368.17	270.73847		410120.28	3775368.17	273.36432
410140.28	3775368.17	274.25529		410160.28	3775368.17	278.02704
410180.28	3775368.17	276.83468		410200.28	3775368.17	275.56628
410220.28	3775368.17	270.40110		410240.28	3775368.17	263.04794
410260.28	3775368.17	253.87069		410020.28	3775388.17	220.12793
410040.28	3775388.17	227.17523		410060.28	3775388.17	225.54104
410080.28	3775388.17	224.17615		410100.28	3775388.17	225.72719
410120.28	3775388.17	228.70609		410140.28	3775388.17	229.51231
410160.28	3775388.17	231.56425		410180.28	3775388.17	231.72988
410200.28	3775388.17	233.59666		410220.28	3775388.17	230.49505
410240.28	3775388.17	225.32554		410000.28	3775408.17	191.60744
410020.28	3775408.17	191.06129		410040.28	3775408.17	197.69175
410060.28	3775408.17	193.93839		410080.28	3775408.17	193.03222
410100.28	3775408.17	192.17498		410120.28	3775408.17	191.75256
410140.28	3775408.17	194.91167		410160.28	3775408.17	197.09849
410180.28	3775408.17	198.13796		410200.28	3775408.17	197.16414
410220.28	3775408.17	195.30506		410240.28	3775408.17	193.77145
410000.28	3775428.17	170.61623		410020.28	3775428.17	169.05072
410040.28	3775428.17	175.54363		410060.28	3775428.17	170.33844
410080.28	3775428.17	167.39780		410100.28	3775428.17	167.42980
410120.28	3775428.17	166.55280		410140.28	3775428.17	167.64598
410160.28	3775428.17	168.27546		410180.28	3775428.17	170.02811
410200.28	3775428.17	169.78343		410220.28	3775428.17	168.90898

410240.28	3775428.17	165.30523	410020.28	3775448.17	150.73492
410040.28	3775448.17	156.42531	410060.28	3775448.17	150.74925
410080.28	3775448.17	147.65869	410100.28	3775448.17	146.69697
410120.28	3775448.17	146.60224	410140.28	3775448.17	147.76888
410160.28	3775448.17	146.36360	410180.28	3775448.17	144.92551

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B2_IDLE ***
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,
STCK6 , STCK7 , STCK8 , STCK9 , STCK10 , STCK11 , STCK12 , STCK13 ,
STCK14 , STCK15 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	148.10877	410220.28	3775448.17	146.14470
410040.28	3775468.17	133.91497	410060.28	3775468.17	131.88234
410080.28	3775468.17	130.49587	410100.28	3775468.17	129.87240
410120.28	3775468.17	128.99834	410140.28	3775468.17	130.30843
410160.28	3775468.17	129.05557	410180.28	3775468.17	128.24773
410200.28	3775468.17	127.66288	410220.28	3775468.17	126.17233
410060.28	3775488.17	116.74530	410080.28	3775488.17	115.29998
410100.28	3775488.17	114.08772	410120.28	3775488.17	113.54340
410140.28	3775488.17	111.76432	410160.28	3775488.17	111.25679
410180.28	3775488.17	111.25220	410200.28	3775488.17	111.88980
410220.28	3775488.17	109.47372	410080.28	3775508.17	101.83728
410100.28	3775508.17	99.76454	410120.28	3775508.17	100.44298
410140.28	3775508.17	96.76216	410160.28	3775508.17	95.23396
410180.28	3775508.17	96.77664	410200.28	3775508.17	98.69041
410220.28	3775508.17	96.33814	410120.28	3775528.17	90.30764
410140.28	3775528.17	89.15593	410160.28	3775528.17	88.53599
410180.28	3775528.17	88.27160	410200.28	3775528.17	88.61001
410140.28	3775548.17	79.69676	410160.28	3775548.17	79.30672
410180.28	3775548.17	78.83220	410260.01	3775389.35	217.40858

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B1_IDLE ***
INCLUDING SOURCE(S): STCK16 , STCK17 , STCK18 , STCK19 , STCK20 ,
STCK21 , STCK22 , STCK23 , STCK24 , STCK25 , STCK26 , STCK27 , STCK28 ,
STCK29 , STCK30 , STCK31 , STCK32 , STCK33 , STCK34 , STCK35 , STCK36 ,
STCK37 , STCK38 , STCK39 , STCK40 , STCK41 , STCK42 , STCK43 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	143.63199	410247.56	3773999.13	141.10200
410267.56	3773999.13	138.55728	410287.56	3773999.13	135.98752
410327.56	3773999.13	130.91014	410347.56	3773999.13	128.41320
410367.56	3773999.13	125.94114	410387.56	3773999.13	123.51242
410407.56	3773999.13	121.10517	410427.56	3773999.13	118.68894
410447.56	3773999.13	116.27998	410467.56	3773999.13	113.90178
410487.56	3773999.13	111.54390	410527.56	3773999.13	107.03394
410547.56	3773999.13	104.87489	410567.56	3773999.13	102.78289
410267.56	3774019.13	144.11075	410287.56	3774019.13	141.32632
410327.56	3774019.13	135.85573	410347.56	3774019.13	133.16479
410367.56	3774019.13	130.48822	410387.56	3774019.13	127.82583
410407.56	3774019.13	125.34073	410427.56	3774019.13	122.78760
410447.56	3774019.13	120.20024	410467.56	3774019.13	117.61945
410487.56	3774019.13	115.08291	410529.05	3774026.09	111.16291
410549.05	3774026.09	108.86585	410569.05	3774026.09	106.54029
410287.56	3774039.13	146.90659	410307.56	3774039.13	143.99684
410367.56	3774039.13	135.20853	410387.56	3774039.13	132.39452
410407.56	3774039.13	129.69283	410427.56	3774039.13	126.92525
410447.56	3774039.13	124.17499	410467.56	3774039.13	121.45523
410487.56	3774039.13	118.73699	410307.56	3774059.13	149.73677
410327.56	3774059.13	146.54152	410347.56	3774059.13	143.31414
410387.56	3774059.13	137.19865	410407.56	3774059.13	134.20559
410447.56	3774059.13	128.27357	410467.56	3774059.13	125.44485
410487.56	3774059.13	122.53486	410327.56	3774079.13	152.16219
410347.56	3774079.13	148.80922	410367.56	3774079.13	145.44735
410407.56	3774079.13	138.86815	410447.56	3774079.13	132.61207
410467.56	3774079.13	129.60367	410487.56	3774079.13	126.52196
410530.05	3774073.66	119.22420	410550.05	3774073.66	116.57808
410570.05	3774073.66	113.93042	410367.56	3774099.13	150.90858
410387.56	3774099.13	147.46471	410407.56	3774099.13	143.93075
410447.56	3774099.13	137.12342	410467.56	3774099.13	133.90624
410487.56	3774099.13	130.69801	410507.56	3774099.13	127.51334
410530.05	3774093.66	123.02938	410550.05	3774093.66	120.17799
410570.05	3774093.66	117.33755	410387.56	3774119.13	152.99903

410407.56	3774119.13	149.27108	410427.56	3774119.13	145.51820
410467.56	3774119.13	138.42118	410487.56	3774119.13	135.05494
410507.56	3774119.13	131.78480	410527.56	3774119.13	128.52862
410547.56	3774119.13	125.33412	410567.56	3774119.13	122.23236
410427.56	3774139.13	150.80883	410447.56	3774139.13	146.97827
410467.56	3774139.13	143.29248	410507.56	3774139.13	136.08717

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B1_IDLE ***
INCLUDING SOURCE(S): STCK16 , STCK17 , STCK18 , STCK19 , STCK20 ,
STCK21 , STCK22 , STCK23 , STCK24 , STCK25 , STCK26 , STCK27 , STCK28 ,
STCK29 , STCK30 , STCK31 , STCK32 , STCK33 , STCK34 , STCK35 , STCK36 ,
STCK37 , STCK38 , STCK39 , STCK40 , STCK41 , STCK42 , STCK43 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	132.65889	410547.56	3774139.13	129.29170
410567.56	3774139.13	125.98206	410447.56	3774159.13	152.27850
410467.56	3774159.13	148.36779	410487.56	3774159.13	144.45204
410487.56	3774179.13	149.58212	410507.56	3774179.13	145.53045
410527.56	3774179.13	141.56452	410547.56	3774179.13	137.71088
410567.56	3774179.13	133.95030	410587.56	3774179.13	130.30693
410507.56	3774199.13	150.50944 MEIR	410527.56	3774199.13	146.31659
410547.56	3774199.13	142.22254	410567.56	3774199.13	138.20117
410587.56	3774199.13	134.34223	410220.28	3775328.17	409.16767
410240.28	3775328.17	403.27612	410260.28	3775328.17	396.06349
410200.28	3775348.17	381.20024	410220.28	3775348.17	377.18122
410240.28	3775348.17	370.74377	410260.28	3775348.17	363.22275
410100.28	3775368.17	376.77458	410120.28	3775368.17	371.49460
410140.28	3775368.17	364.06570	410160.28	3775368.17	360.43474
410180.28	3775368.17	357.07820	410200.28	3775368.17	352.63642
410220.28	3775368.17	347.98004	410240.28	3775368.17	342.12183
410260.28	3775368.17	335.08853	410020.28	3775388.17	372.48376
410040.28	3775388.17	375.95115	410060.28	3775388.17	365.95534
410080.28	3775388.17	356.49545	410100.28	3775388.17	349.91690
410120.28	3775388.17	343.10526	410140.28	3775388.17	336.11042
410160.28	3775388.17	333.82146	410180.28	3775388.17	331.82876
410200.28	3775388.17	327.95412	410220.28	3775388.17	322.74199
410240.28	3775388.17	317.30779	410000.28	3775408.17	352.29962
410020.28	3775408.17	348.01314	410040.28	3775408.17	352.52219
410060.28	3775408.17	342.30984	410080.28	3775408.17	333.18720
410100.28	3775408.17	325.91945	410120.28	3775408.17	316.57112
410140.28	3775408.17	313.10839	410160.28	3775408.17	311.18140
410180.28	3775408.17	309.47952	410200.28	3775408.17	306.93675
410220.28	3775408.17	301.81331	410240.28	3775408.17	295.85665
410000.28	3775428.17	332.76837	410020.28	3775428.17	328.07649
410040.28	3775428.17	333.91285	410060.28	3775428.17	322.56275
410080.28	3775428.17	312.93725	410100.28	3775428.17	306.65599
410120.28	3775428.17	298.59663	410140.28	3775428.17	297.23345
410160.28	3775428.17	291.69925	410180.28	3775428.17	288.35016

410200.28	3775428.17	288.35347	410220.28	3775428.17	283.91670
410240.28	3775428.17	275.33988	410020.28	3775448.17	310.22268
410040.28	3775448.17	315.77444	410060.28	3775448.17	304.04984
410080.28	3775448.17	294.68272	410100.28	3775448.17	289.72659
410120.28	3775448.17	283.48581	410140.28	3775448.17	283.06926
410160.28	3775448.17	274.95202	410180.28	3775448.17	270.19726

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: B1_IDLE ***
INCLUDING SOURCE(S): STCK16 , STCK17 , STCK18 , STCK19 , STCK20 ,
STCK21 , STCK22 , STCK23 , STCK24 , STCK25 , STCK26 , STCK27 , STCK28 ,
STCK29 , STCK30 , STCK31 , STCK32 , STCK33 , STCK34 , STCK35 , STCK36 ,
STCK37 , STCK38 , STCK39 , STCK40 , STCK41 , STCK42 , STCK43 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	271.13779	410220.28	3775448.17	266.27330
410040.28	3775468.17	289.61417	410060.28	3775468.17	283.42988
410080.28	3775468.17	277.90003	410100.28	3775468.17	273.17853
410120.28	3775468.17	267.74992	410140.28	3775468.17	266.33276
410160.28	3775468.17	261.59163	410180.28	3775468.17	257.10227
410200.28	3775468.17	253.58755	410220.28	3775468.17	246.20898
410060.28	3775488.17	265.98080	410080.28	3775488.17	260.74879
410100.28	3775488.17	254.07517	410120.28	3775488.17	250.80784
410140.28	3775488.17	242.96799	410160.28	3775488.17	238.07910
410180.28	3775488.17	236.45447	410200.28	3775488.17	236.72969
410220.28	3775488.17	229.61586	410080.28	3775508.17	243.35652
410100.28	3775508.17	235.56758	410120.28	3775508.17	234.79382
410140.28	3775508.17	222.88995	410160.28	3775508.17	217.52117
410180.28	3775508.17	218.01288	410200.28	3775508.17	221.96017
410220.28	3775508.17	215.26605	410120.28	3775528.17	222.54550
410140.28	3775528.17	218.01513	410160.28	3775528.17	214.41358
410180.28	3775528.17	212.71038	410200.28	3775528.17	211.90505
410140.28	3775548.17	205.84105	410160.28	3775548.17	203.30199
410180.28	3775548.17	200.64363	410260.01	3775389.35	309.57383

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TR_RUNEX ***
INCLUDING SOURCE(S): PAREA3 , PAREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.97423	410247.56	3773999.13	0.94052
410267.56	3773999.13	0.90855	410287.56	3773999.13	0.87831
410327.56	3773999.13	0.82309	410347.56	3773999.13	0.79804
410367.56	3773999.13	0.77459	410387.56	3773999.13	0.75268
410407.56	3773999.13	0.73226	410427.56	3773999.13	0.71320
410447.56	3773999.13	0.69545	410467.56	3773999.13	0.67895
410487.56	3773999.13	0.66359	410527.56	3773999.13	0.63604
410547.56	3773999.13	0.62368	410567.56	3773999.13	0.61217
410267.56	3774019.13	0.93814	410287.56	3774019.13	0.90659
410327.56	3774019.13	0.84910	410347.56	3774019.13	0.82306
410367.56	3774019.13	0.79871	410387.56	3774019.13	0.77601
410407.56	3774019.13	0.75493	410427.56	3774019.13	0.73529
410447.56	3774019.13	0.71697	410467.56	3774019.13	0.69997
410487.56	3774019.13	0.68415	410529.05	3774026.09	0.66200
410549.05	3774026.09	0.64928	410569.05	3774026.09	0.63743
410287.56	3774039.13	0.93649	410307.56	3774039.13	0.90559
410367.56	3774039.13	0.82425	410387.56	3774039.13	0.80075
410407.56	3774039.13	0.77894	410427.56	3774039.13	0.75862
410447.56	3774039.13	0.73976	410467.56	3774039.13	0.72222
410487.56	3774039.13	0.70596	410307.56	3774059.13	0.93601
410327.56	3774059.13	0.90583	410347.56	3774059.13	0.87761
410387.56	3774059.13	0.82704	410407.56	3774059.13	0.80442
410447.56	3774059.13	0.76396	410467.56	3774059.13	0.74591
410487.56	3774059.13	0.72915	410327.56	3774079.13	0.93682
410347.56	3774079.13	0.90753	410367.56	3774079.13	0.88027
410407.56	3774079.13	0.83153	410447.56	3774079.13	0.78974
410467.56	3774079.13	0.77114	410487.56	3774079.13	0.75388
410530.05	3774073.66	0.71461	410550.05	3774073.66	0.70109
410570.05	3774073.66	0.68844	410367.56	3774099.13	0.91105
410387.56	3774099.13	0.88487	410407.56	3774099.13	0.86055
410447.56	3774099.13	0.81730	410467.56	3774099.13	0.79807
410487.56	3774099.13	0.78030	410507.56	3774099.13	0.76379
410530.05	3774093.66	0.73958	410550.05	3774093.66	0.72556
410570.05	3774093.66	0.71257	410387.56	3774119.13	0.91681
410407.56	3774119.13	0.89160	410427.56	3774119.13	0.86830
410467.56	3774119.13	0.82693	410487.56	3774119.13	0.80853
410507.56	3774119.13	0.79148	410527.56	3774119.13	0.77565

410547.56	3774119.13	0.76102	410567.56	3774119.13	0.74736
410427.56	3774139.13	0.90069	410447.56	3774139.13	0.87844
410467.56	3774139.13	0.85785	410507.56	3774139.13	0.82121

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TR_RUNEX ***
INCLUDING SOURCE(S): PAREA3 , PAREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	0.80487		410547.56	3774139.13	0.78966
410567.56	3774139.13	0.77556		410447.56	3774159.13	0.91240
410467.56	3774159.13	0.89107		410487.56	3774159.13	0.87135
410487.56	3774179.13	0.90627		410507.56	3774179.13	0.88733
410527.56	3774179.13	0.86978		410547.56	3774179.13	0.85348
410567.56	3774179.13	0.83828		410587.56	3774179.13	0.82413
410507.56	3774199.13	0.92430	MEIR	410527.56	3774199.13	0.90603
410547.56	3774199.13	0.88902		410567.56	3774199.13	0.87318
410587.56	3774199.13	0.85840		410220.28	3775328.17	3.90177
410240.28	3775328.17	3.89548		410260.28	3775328.17	3.87778
410200.28	3775348.17	3.41294		410220.28	3775348.17	3.43351
410240.28	3775348.17	3.43601		410260.28	3775348.17	3.42780
410100.28	3775368.17	2.78740		410120.28	3775368.17	2.84462
410140.28	3775368.17	2.88375		410160.28	3775368.17	2.92708
410180.28	3775368.17	2.96573		410200.28	3775368.17	2.99510
410220.28	3775368.17	3.02038		410240.28	3775368.17	3.03577
410260.28	3775368.17	3.04056		410020.28	3775388.17	2.10276
410040.28	3775388.17	2.20405		410060.28	3775388.17	2.27644
410080.28	3775388.17	2.34097		410100.28	3775388.17	2.40418
410120.28	3775388.17	2.45804		410140.28	3775388.17	2.50171
410160.28	3775388.17	2.55380		410180.28	3775388.17	2.60228
410200.28	3775388.17	2.63990		410220.28	3775388.17	2.66777
410240.28	3775388.17	2.69091		410000.28	3775408.17	1.74849
410020.28	3775408.17	1.82235		410040.28	3775408.17	1.91186
410060.28	3775408.17	1.97409		410080.28	3775408.17	2.03315
410100.28	3775408.17	2.09041		410120.28	3775408.17	2.13576
410140.28	3775408.17	2.18930		410160.28	3775408.17	2.24272
410180.28	3775408.17	2.29369		410200.28	3775408.17	2.33885
410220.28	3775408.17	2.37088		410240.28	3775408.17	2.39527
410000.28	3775428.17	1.54032		410020.28	3775428.17	1.60096
410040.28	3775428.17	1.67965		410060.28	3775428.17	1.73142
410080.28	3775428.17	1.78272		410100.28	3775428.17	1.83679
410120.28	3775428.17	1.88246		410140.28	3775428.17	1.93949
410160.28	3775428.17	1.98219		410180.28	3775428.17	2.02700
410200.28	3775428.17	2.08080		410220.28	3775428.17	2.11703
410240.28	3775428.17	2.13223		410020.28	3775448.17	1.42113
410040.28	3775448.17	1.48811		410060.28	3775448.17	1.53125

410080.28	3775448.17	1.57611	410100.28	3775448.17	1.62673
410120.28	3775448.17	1.67238	410140.28	3775448.17	1.72816
410160.28	3775448.17	1.76302	410180.28	3775448.17	1.80253

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TR_RUNEX ***
INCLUDING SOURCE(S): PAREA3 , PAREA7 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	1.85652	410220.28	3775448.17	1.89108
410040.28	3775468.17	1.31706	410060.28	3775468.17	1.35998
410080.28	3775468.17	1.40405	410100.28	3775468.17	1.44889
410120.28	3775468.17	1.49127	410140.28	3775468.17	1.54010
410160.28	3775468.17	1.58032	410180.28	3775468.17	1.61891
410200.28	3775468.17	1.65768	410220.28	3775468.17	1.68249
410060.28	3775488.17	1.21927	410080.28	3775488.17	1.25722
410100.28	3775488.17	1.29298	410120.28	3775488.17	1.33364
410140.28	3775488.17	1.36497	410160.28	3775488.17	1.39965
410180.28	3775488.17	1.44000	410200.28	3775488.17	1.48451
410220.28	3775488.17	1.50823	410080.28	3775508.17	1.13120
410100.28	3775508.17	1.15998	410120.28	3775508.17	1.19909
410140.28	3775508.17	1.21864	410160.28	3775508.17	1.17401
410180.28	3775508.17	1.28791	410200.28	3775508.17	1.33680
410220.28	3775508.17	1.35962	410120.28	3775528.17	1.08791
410140.28	3775528.17	1.11715	410160.28	3775528.17	1.14753
410180.28	3775528.17	1.18117	410200.28	3775528.17	1.21658
410140.28	3775548.17	1.01655	410160.28	3775548.17	1.04526
410180.28	3775548.17	1.07378	410260.01	3775389.35	2.68611

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: YARD_EMS ***
INCLUDING SOURCE(S): PAREA4 , PAREA5 , PAREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.87715	410247.56	3773999.13	0.84813
410267.56	3773999.13	0.82049	410287.56	3773999.13	0.79424
410327.56	3773999.13	0.74602	410347.56	3773999.13	0.72403
410367.56	3773999.13	0.70337	410387.56	3773999.13	0.68400
410407.56	3773999.13	0.66590	410427.56	3773999.13	0.64892
410447.56	3773999.13	0.63307	410467.56	3773999.13	0.61830
410487.56	3773999.13	0.60452	410527.56	3773999.13	0.57975
410547.56	3773999.13	0.56862	410567.56	3773999.13	0.55828
410267.56	3774019.13	0.84488	410287.56	3774019.13	0.81755
410327.56	3774019.13	0.76746	410347.56	3774019.13	0.74466
410367.56	3774019.13	0.72324	410387.56	3774019.13	0.70320
410407.56	3774019.13	0.68455	410427.56	3774019.13	0.66709
410447.56	3774019.13	0.65079	410467.56	3774019.13	0.63559
410487.56	3774019.13	0.62143	410529.05	3774026.09	0.60101
410549.05	3774026.09	0.58964	410569.05	3774026.09	0.57901
410287.56	3774039.13	0.84203	410307.56	3774039.13	0.81524
410367.56	3774039.13	0.74410	410387.56	3774039.13	0.72340
410407.56	3774039.13	0.70414	410427.56	3774039.13	0.68613
410447.56	3774039.13	0.66936	410467.56	3774039.13	0.65376
410487.56	3774039.13	0.63924	410307.56	3774059.13	0.83997
410327.56	3774059.13	0.81372	410347.56	3774059.13	0.78908
410387.56	3774059.13	0.74470	410407.56	3774059.13	0.72475
410447.56	3774059.13	0.68894	410467.56	3774059.13	0.67295
410487.56	3774059.13	0.65804	410327.56	3774079.13	0.83863
410347.56	3774079.13	0.81313	410367.56	3774079.13	0.78930
410407.56	3774079.13	0.74650	410447.56	3774079.13	0.70964
410467.56	3774079.13	0.69323	410487.56	3774079.13	0.67793
410530.05	3774073.66	0.64367	410550.05	3774073.66	0.63173
410570.05	3774073.66	0.62057	410367.56	3774099.13	0.81379
410387.56	3774099.13	0.79091	410407.56	3774099.13	0.76960
410447.56	3774099.13	0.73157	410467.56	3774099.13	0.71468
410487.56	3774099.13	0.69902	410507.56	3774099.13	0.68447
410530.05	3774093.66	0.66375	410550.05	3774093.66	0.65149
410570.05	3774093.66	0.64011	410387.56	3774119.13	0.81609
410407.56	3774119.13	0.79407	410427.56	3774119.13	0.77369
410467.56	3774119.13	0.73747	410487.56	3774119.13	0.72138
410507.56	3774119.13	0.70654	410527.56	3774119.13	0.69275

410547.56	3774119.13	0.67999	410567.56	3774119.13	0.66814
410427.56	3774139.13	0.79898	410447.56	3774139.13	0.77962
410467.56	3774139.13	0.76172	410507.56	3774139.13	0.72990

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: YARD_EMS ***
INCLUDING SOURCE(S): PAREA4 , PAREA5 , PAREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC
410527.56	3774139.13	0.71581		410547.56	3774139.13	0.70275
410567.56	3774139.13	0.69062		410447.56	3774159.13	0.80596
410467.56	3774159.13	0.78757		410487.56	3774159.13	0.77055
410487.56	3774179.13	0.79768		410507.56	3774179.13	0.78157
410527.56	3774179.13	0.76669		410547.56	3774179.13	0.75293
410567.56	3774179.13	0.74015		410587.56	3774179.13	0.72825
410507.56	3774199.13	0.81007	MEIR	410527.56	3774199.13	0.79480
410547.56	3774199.13	0.78063		410567.56	3774199.13	0.76752
410587.56	3774199.13	0.75527		410220.28	3775328.17	4.61143
410240.28	3775328.17	4.61685		410260.28	3775328.17	4.60850
410200.28	3775348.17	4.04285		410220.28	3775348.17	4.07876
410240.28	3775348.17	4.09970		410260.28	3775348.17	4.10837
410100.28	3775368.17	3.22351		410120.28	3775368.17	3.30683
410140.28	3775368.17	3.37927		410160.28	3775368.17	3.44955
410180.28	3775368.17	3.51256		410200.28	3775368.17	3.56577
410220.28	3775368.17	3.61060		410240.28	3775368.17	3.64466
410260.28	3775368.17	3.66754		410020.28	3775388.17	2.40590
410040.28	3775388.17	2.52484		410060.28	3775388.17	2.61856
410080.28	3775388.17	2.70856		410100.28	3775388.17	2.79593
410120.28	3775388.17	2.87692		410140.28	3775388.17	2.95115
410160.28	3775388.17	3.02570		410180.28	3775388.17	3.09433
410200.28	3775388.17	3.15359		410220.28	3775388.17	3.20362
410240.28	3775388.17	3.24593		410000.28	3775408.17	1.99046
410020.28	3775408.17	2.08540		410040.28	3775408.17	2.18983
410060.28	3775408.17	2.27488		410080.28	3775408.17	2.35851
410100.28	3775408.17	2.44004		410120.28	3775408.17	2.51471
410140.28	3775408.17	2.59137		410160.28	3775408.17	2.66539
410180.28	3775408.17	2.73487		410200.28	3775408.17	2.79792
410220.28	3775408.17	2.85147		410240.28	3775408.17	2.89738
410000.28	3775428.17	1.74989		410020.28	3775428.17	1.82925
410040.28	3775428.17	1.92102		410060.28	3775428.17	1.99457
410080.28	3775428.17	2.06949		410100.28	3775428.17	2.14538
410120.28	3775428.17	2.21654		410140.28	3775428.17	2.29160
410160.28	3775428.17	2.35857		410180.28	3775428.17	2.42415
410200.28	3775428.17	2.49007		410220.28	3775428.17	2.54555
410240.28	3775428.17	2.57444		410020.28	3775448.17	1.62047
410040.28	3775448.17	1.69894		410060.28	3775448.17	1.76253

410080.28	3775448.17	1.82911	410100.28	3775448.17	1.89867
410120.28	3775448.17	1.96564	410140.28	3775448.17	2.03639
410160.28	3775448.17	2.09691	410180.28	3775448.17	2.15789

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: YARD_EMS ***
INCLUDING SOURCE(S): PAREA4 , PAREA5 , PAREA8 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	2.22243	410220.28	3775448.17	2.27658
410040.28	3775468.17	1.50703	410060.28	3775468.17	1.56667
410080.28	3775468.17	1.62789	410100.28	3775468.17	1.68999
410120.28	3775468.17	1.75113	410140.28	3775468.17	1.81491
410160.28	3775468.17	1.87427	410180.28	3775468.17	1.93194
410200.28	3775468.17	1.98820	410220.28	3775468.17	1.99325
410060.28	3775488.17	1.40381	410080.28	3775488.17	1.45725
410100.28	3775488.17	1.51058	410120.28	3775488.17	1.56673
410140.28	3775488.17	1.54392	410160.28	3775488.17	1.59934
410180.28	3775488.17	1.66268	410200.28	3775488.17	1.73011
410220.28	3775488.17	1.77824	410080.28	3775508.17	1.31178
410100.28	3775508.17	1.28702	410120.28	3775508.17	1.34023
410140.28	3775508.17	1.26720	410160.28	3775508.17	1.29547
410180.28	3775508.17	1.35100	410200.28	3775508.17	1.54992
410220.28	3775508.17	1.44981	410120.28	3775528.17	1.21333
410140.28	3775528.17	1.25487	410160.28	3775528.17	1.29965
410180.28	3775528.17	1.34962	410200.28	3775528.17	1.40236
410140.28	3775548.17	1.13897	410160.28	3775548.17	1.17977
410180.28	3775548.17	1.22180	410260.01	3775389.35	3.25670

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	3.89600	410247.56	3773999.13	3.90108
410267.56	3773999.13	3.89858	410287.56	3773999.13	3.88834
410327.56	3773999.13	3.84562	410347.56	3773999.13	3.81363
410367.56	3773999.13	3.77440	410387.56	3773999.13	3.72851
410407.56	3773999.13	3.67605	410427.56	3773999.13	3.61701
410447.56	3773999.13	3.55196	410467.56	3773999.13	3.48150
410487.56	3773999.13	3.40607	410527.56	3773999.13	3.24380
410547.56	3773999.13	3.15793	410567.56	3773999.13	3.06980
410267.56	3774019.13	4.19021	410287.56	3774019.13	4.17934
410327.56	3774019.13	4.13270	410347.56	3774019.13	4.09718
410367.56	3774019.13	4.05332	410387.56	3774019.13	4.00160
410407.56	3774019.13	3.94380	410427.56	3774019.13	3.87790
410447.56	3774019.13	3.80475	410467.56	3774019.13	3.72529
410487.56	3774019.13	3.64032	410529.05	3774026.09	3.52939
410549.05	3774026.09	3.42897	410569.05	3774026.09	3.32508
410287.56	3774039.13	4.50608	410307.56	3774039.13	4.48552
410367.56	3774039.13	4.36586	410387.56	3774039.13	4.30832
410407.56	3774039.13	4.24306	410427.56	3774039.13	4.16869
410447.56	3774039.13	4.08643	410467.56	3774039.13	3.99727
410487.56	3774039.13	3.90137	410307.56	3774059.13	4.85326
410327.56	3774059.13	4.81951	410347.56	3774059.13	4.77428
410387.56	3774059.13	4.65449	410407.56	3774059.13	4.57999
410447.56	3774059.13	4.40310	410467.56	3774059.13	4.30288
410487.56	3774059.13	4.19433	410327.56	3774079.13	5.23215
410347.56	3774079.13	5.18258	410367.56	3774079.13	5.12031
410407.56	3774079.13	4.96158	410447.56	3774079.13	4.76198
410467.56	3774079.13	4.64862	410487.56	3774079.13	4.52536
410530.05	3774073.66	4.15571	410550.05	3774073.66	4.02022
410570.05	3774073.66	3.88050	410367.56	3774099.13	5.57818
410387.56	3774099.13	5.49620	410407.56	3774099.13	5.39940
410447.56	3774099.13	5.17105	410467.56	3774099.13	5.04183
410487.56	3774099.13	4.90170	410507.56	3774099.13	4.75227
410530.05	3774093.66	4.48039	410550.05	3774093.66	4.32506
410570.05	3774093.66	4.16507	410387.56	3774119.13	6.01349

410407.56	3774119.13	5.90403	410427.56	3774119.13	5.77909
410467.56	3774119.13	5.49311	410487.56	3774119.13	5.33282
410507.56	3774119.13	5.16260	410527.56	3774119.13	4.98314
410547.56	3774119.13	4.79650	410567.56	3774119.13	4.60531
410427.56	3774139.13	6.34549	410447.56	3774139.13	6.18872
410467.56	3774139.13	6.01743	410507.56	3774139.13	5.63350

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC	
410527.56	3774139.13	5.42606		410547.56	3774139.13	5.21016	
410567.56	3774139.13	4.98804		410447.56	3774159.13	6.82858	
410467.56	3774159.13	6.63039		410487.56	3774159.13	6.41422	
410487.56	3774179.13	7.10489		410507.56	3774179.13	6.83480	
410527.56	3774179.13	6.54851		410547.56	3774179.13	6.24946	
410567.56	3774179.13	5.94190		410587.56	3774179.13	5.62953	
410507.56	3774199.13	7.61132	MEIR	410527.56	3774199.13	7.27185	
410547.56	3774199.13	6.91505		410567.56	3774199.13	6.54738	
410587.56	3774199.13	6.17353		410220.28	3775328.17	1.18225	Max Sports Park Rec
410240.28	3775328.17	1.17772		410260.28	3775328.17	1.16594	
410200.28	3775348.17	1.13655		410220.28	3775348.17	1.13705	
410240.28	3775348.17	1.12667		410260.28	3775348.17	1.10684	
410100.28	3775368.17	1.10798		410120.28	3775368.17	1.10460	
410140.28	3775368.17	1.09337		410160.28	3775368.17	1.09236	
410180.28	3775368.17	1.09346		410200.28	3775368.17	1.08882	
410220.28	3775368.17	1.08575		410240.28	3775368.17	1.07417	
410260.28	3775368.17	1.06254		410020.28	3775388.17	1.07612	
410040.28	3775388.17	1.09475		410060.28	3775388.17	1.07891	
410080.28	3775388.17	1.06772		410100.28	3775388.17	1.06146	
410120.28	3775388.17	1.05188		410140.28	3775388.17	1.03531	
410160.28	3775388.17	1.03995		410180.28	3775388.17	1.04852	
410200.28	3775388.17	1.04670		410220.28	3775388.17	1.03840	
410240.28	3775388.17	1.03094		410000.28	3775408.17	1.03108	
410020.28	3775408.17	1.03093		410040.28	3775408.17	1.05572	
410060.28	3775408.17	1.03781		410080.28	3775408.17	1.02875	
410100.28	3775408.17	1.01728		410120.28	3775408.17	0.99486	
410140.28	3775408.17	0.99390		410160.28	3775408.17	0.99900	
410180.28	3775408.17	1.00629		410200.28	3775408.17	1.01204	
410220.28	3775408.17	1.00403		410240.28	3775408.17	0.99508	
410000.28	3775428.17	0.99833		410020.28	3775428.17	0.99595	
410040.28	3775428.17	1.02454		410060.28	3775428.17	1.00223	
410080.28	3775428.17	0.99045		410100.28	3775428.17	0.98392	
410120.28	3775428.17	0.96368		410140.28	3775428.17	0.97135	
410160.28	3775428.17	0.96344		410180.28	3775428.17	0.96394	

410200.28	3775428.17	0.98128	410220.28	3775428.17	0.97467
410240.28	3775428.17	0.95691	410020.28	3775448.17	0.96471
410040.28	3775448.17	0.99226	410060.28	3775448.17	0.96990
410080.28	3775448.17	0.95809	410100.28	3775448.17	0.95295
410120.28	3775448.17	0.93908	410140.28	3775448.17	0.95456
410160.28	3775448.17	0.93290	410180.28	3775448.17	0.93026

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKE ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	0.94592	410220.28	3775448.17	0.94009
410040.28	3775468.17	0.93577	410060.28	3775468.17	0.93263
410080.28	3775468.17	0.92400	410100.28	3775468.17	0.92054
410120.28	3775468.17	0.90939	410140.28	3775468.17	0.91976
410160.28	3775468.17	0.91036	410180.28	3775468.17	0.90714
410200.28	3775468.17	0.90690	410220.28	3775468.17	0.89480
410060.28	3775488.17	0.89651	410080.28	3775488.17	0.88923
410100.28	3775488.17	0.87322	410120.28	3775488.17	0.87248
410140.28	3775488.17	0.86231	410160.28	3775488.17	0.85737
410180.28	3775488.17	0.86108	410200.28	3775488.17	0.87014
410220.28	3775488.17	0.85794	410080.28	3775508.17	0.84503
410100.28	3775508.17	0.83452	410120.28	3775508.17	0.83995
410140.28	3775508.17	0.81487	410160.28	3775508.17	0.80425
410180.28	3775508.17	0.81597	410200.28	3775508.17	0.83751
410220.28	3775508.17	0.82492	410120.28	3775528.17	0.81440
410140.28	3775528.17	0.81025	410160.28	3775528.17	0.80804
410180.28	3775528.17	0.81102	410200.28	3775528.17	0.81653
410140.28	3775548.17	0.78313	410160.28	3775548.17	0.78335
410180.28	3775548.17	0.78309	410260.01	3775389.35	1.02109

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKW ***
INCLUDING SOURCE(S): L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
L0000078 , L0000079 , L0000080 , L0000081 , L0000082 , L0000083 , L0000084 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.62219	410247.56	3773999.13	0.61043
410267.56	3773999.13	0.59896	410287.56	3773999.13	0.58777
410327.56	3773999.13	0.56536	410347.56	3773999.13	0.55403
410367.56	3773999.13	0.54381	410387.56	3773999.13	0.53115
410407.56	3773999.13	0.51664	410427.56	3773999.13	0.50612
410447.56	3773999.13	0.49699	410467.56	3773999.13	0.48818
410487.56	3773999.13	0.47973	410527.56	3773999.13	0.46284
410547.56	3773999.13	0.45366	410567.56	3773999.13	0.44444
410267.56	3774019.13	0.60807	410287.56	3774019.13	0.59651
410327.56	3774019.13	0.57244	410347.56	3774019.13	0.56162
410367.56	3774019.13	0.55020	410387.56	3774019.13	0.53630
410407.56	3774019.13	0.52151	410427.56	3774019.13	0.50926
410447.56	3774019.13	0.49998	410467.56	3774019.13	0.49124
410487.56	3774019.13	0.48376	410529.05	3774026.09	0.46820
410549.05	3774026.09	0.45725	410569.05	3774026.09	0.44924
410287.56	3774039.13	0.60449	410307.56	3774039.13	0.59187
410367.56	3774039.13	0.55766	410387.56	3774039.13	0.54324
410407.56	3774039.13	0.52722	410427.56	3774039.13	0.51592
410447.56	3774039.13	0.50625	410467.56	3774039.13	0.49582
410487.56	3774039.13	0.48818	410307.56	3774059.13	0.60028
410327.56	3774059.13	0.58755	410347.56	3774059.13	0.57622
410387.56	3774059.13	0.54732	410407.56	3774059.13	0.53541
410447.56	3774059.13	0.51290	410467.56	3774059.13	0.50164
410487.56	3774059.13	0.49270	410327.56	3774079.13	0.59585
410347.56	3774079.13	0.58010	410367.56	3774079.13	0.56869
410407.56	3774079.13	0.54388	410447.56	3774079.13	0.52041
410467.56	3774079.13	0.50753	410487.56	3774079.13	0.49816
410530.05	3774073.66	0.47914	410550.05	3774073.66	0.46742
410570.05	3774073.66	0.45758	410367.56	3774099.13	0.57631
410387.56	3774099.13	0.56032	410407.56	3774099.13	0.54941
410447.56	3774099.13	0.52696	410467.56	3774099.13	0.51383
410487.56	3774099.13	0.50268	410507.56	3774099.13	0.49448
410530.05	3774093.66	0.48157	410550.05	3774093.66	0.47065
410570.05	3774093.66	0.45960	410387.56	3774119.13	0.56718

410407.56	3774119.13	0.55458	410427.56	3774119.13	0.54396
410467.56	3774119.13	0.52012	410487.56	3774119.13	0.50841
410507.56	3774119.13	0.49677	410527.56	3774119.13	0.48468
410547.56	3774119.13	0.47545	410567.56	3774119.13	0.46517
410427.56	3774139.13	0.54925	410447.56	3774139.13	0.53680
410467.56	3774139.13	0.52449	410507.56	3774139.13	0.50388

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKW ***
INCLUDING SOURCE(S): L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
L0000078 , L0000079 , L0000080 , L0000081 , L0000082 , L0000083 , L0000084 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD (M)	CONC	
410527.56	3774139.13	0.49019		410547.56	3774139.13	0.47899	
410567.56	3774139.13	0.46852		410447.56	3774159.13	0.54270	
410467.56	3774159.13	0.53013		410487.56	3774159.13	0.51961	
410487.56	3774179.13	0.52099		410507.56	3774179.13	0.50902	
410527.56	3774179.13	0.49746		410547.56	3774179.13	0.48624	
410567.56	3774179.13	0.47395		410587.56	3774179.13	0.46777	
410507.56	3774199.13	0.51465	MEIR	410527.56	3774199.13	0.50132	
410547.56	3774199.13	0.48983		410567.56	3774199.13	0.47817	
410587.56	3774199.13	0.46943		410220.28	3775328.17	1.16152	Max Sports Park Rec
410240.28	3775328.17	1.14086		410260.28	3775328.17	1.12517	
410200.28	3775348.17	1.16551		410220.28	3775348.17	1.14133	
410240.28	3775348.17	1.12551		410260.28	3775348.17	1.11433	
410100.28	3775368.17	1.24192		410120.28	3775368.17	1.22226	
410140.28	3775368.17	1.20861		410160.28	3775368.17	1.18712	
410180.28	3775368.17	1.16467		410200.28	3775368.17	1.14489	
410220.28	3775368.17	1.12509		410240.28	3775368.17	1.10920	
410260.28	3775368.17	1.09818		410020.28	3775388.17	1.29316	
410040.28	3775388.17	1.25724		410060.28	3775388.17	1.24557	
410080.28	3775388.17	1.23216		410100.28	3775388.17	1.21557	
410120.28	3775388.17	1.20118		410140.28	3775388.17	1.18893	
410160.28	3775388.17	1.16559		410180.28	3775388.17	1.14126	
410200.28	3775388.17	1.12135		410220.28	3775388.17	1.10530	
410240.28	3775388.17	1.09015		410000.28	3775408.17	1.28098	
410020.28	3775408.17	1.25980		410040.28	3775408.17	1.22608	
410060.28	3775408.17	1.21468		410080.28	3775408.17	1.20200	
410100.28	3775408.17	1.18867		410120.28	3775408.17	1.18146	
410140.28	3775408.17	1.16283		410160.28	3775408.17	1.14033	
410180.28	3775408.17	1.11662		410200.28	3775408.17	1.09462	
410220.28	3775408.17	1.07954		410240.28	3775408.17	1.06767	
410000.28	3775428.17	1.24244		410020.28	3775428.17	1.22318	
410040.28	3775428.17	1.18963		410060.28	3775428.17	1.18109	
410080.28	3775428.17	1.17022		410100.28	3775428.17	1.15645	
410120.28	3775428.17	1.14750		410140.28	3775428.17	1.12528	
410160.28	3775428.17	1.11229		410180.28	3775428.17	1.09445	

410200.28	3775428.17	1.06714	410220.28	3775428.17	1.05138
410240.28	3775428.17	1.04949	410020.28	3775448.17	1.18666
410040.28	3775448.17	1.15583	410060.28	3775448.17	1.14835
410080.28	3775448.17	1.13828	410100.28	3775448.17	1.12348
410120.28	3775448.17	1.11175	410140.28	3775448.17	1.08877
410160.28	3775448.17	1.08216	410180.28	3775448.17	1.06898

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKW ***
INCLUDING SOURCE(S): L0000057 , L0000058 , L0000059 , L0000060 , L0000061 ,
L0000062 , L0000063 , L0000064 , L0000065 , L0000066 , L0000067 , L0000068 , L0000069 ,
L0000070 , L0000071 , L0000072 , L0000073 , L0000074 , L0000075 , L0000076 , L0000077 ,
L0000078 , L0000079 , L0000080 , L0000081 , L0000082 , L0000083 , L0000084 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	1.04136	410220.28	3775448.17	1.02808
410040.28	3775468.17	1.13413	410060.28	3775468.17	1.12017
410080.28	3775468.17	1.10661	410100.28	3775468.17	1.09278
410120.28	3775468.17	1.08064	410140.28	3775468.17	1.06122
410160.28	3775468.17	1.04838	410180.28	3775468.17	1.03532
410200.28	3775468.17	1.02031	410220.28	3775468.17	1.01590
410060.28	3775488.17	1.09002	410080.28	3775488.17	1.07779
410100.28	3775488.17	1.06843	410120.28	3775488.17	1.05414
410140.28	3775488.17	1.04872	410160.28	3775488.17	1.03889
410180.28	3775488.17	1.02228	410200.28	3775488.17	1.00049
410220.28	3775488.17	0.99717	410080.28	3775508.17	1.05084
410100.28	3775508.17	1.04437	410120.28	3775508.17	1.02793
410140.28	3775508.17	1.03043	410160.28	3775508.17	1.02283
410180.28	3775508.17	1.00534	410200.28	3775508.17	0.97820
410220.28	3775508.17	0.97489	410120.28	3775528.17	0.99745
410140.28	3775528.17	0.98809	410160.28	3775528.17	0.97764
410180.28	3775528.17	0.96375	410200.28	3775528.17	0.94764
410140.28	3775548.17	0.96022	410160.28	3775548.17	0.94911
410180.28	3775548.17	0.93825	410260.01	3775389.35	1.07834

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKF ***
INCLUDING SOURCE(S): L0000037 , L0000038 , L0000039 , L0000040 , L0000041 ,
L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 , L0000049 ,
L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	1.41120	410247.56	3773999.13	1.37378
410267.56	3773999.13	1.33727	410287.56	3773999.13	1.30173
410327.56	3773999.13	1.23336	410347.56	3773999.13	1.20038
410367.56	3773999.13	1.16830	410387.56	3773999.13	1.13697
410407.56	3773999.13	1.10650	410427.56	3773999.13	1.07729
410447.56	3773999.13	1.04925	410467.56	3773999.13	1.02220
410487.56	3773999.13	0.99619	410527.56	3773999.13	0.94601
410547.56	3773999.13	0.91964	410567.56	3773999.13	0.89618
410267.56	3774019.13	1.37705	410287.56	3774019.13	1.33919
410327.56	3774019.13	1.26640	410347.56	3774019.13	1.23133
410367.56	3774019.13	1.19746	410387.56	3774019.13	1.16471
410407.56	3774019.13	1.13171	410427.56	3774019.13	1.09774
410447.56	3774019.13	1.06845	410467.56	3774019.13	1.04051
410487.56	3774019.13	1.01359	410529.05	3774026.09	0.96652
410549.05	3774026.09	0.94065	410569.05	3774026.09	0.91657
410287.56	3774039.13	1.37793	410307.56	3774039.13	1.33853
410367.56	3774039.13	1.22780	410387.56	3774039.13	1.19294
410407.56	3774039.13	1.15851	410427.56	3774039.13	1.12317
410447.56	3774039.13	1.09226	410467.56	3774039.13	1.06247
410487.56	3774039.13	1.03429	410307.56	3774059.13	1.37560
410327.56	3774059.13	1.33507	410347.56	3774059.13	1.29632
410387.56	3774059.13	1.22178	410407.56	3774059.13	1.18631
410447.56	3774059.13	1.11691	410467.56	3774059.13	1.08505
410487.56	3774059.13	1.05547	410327.56	3774079.13	1.37144
410347.56	3774079.13	1.32985	410367.56	3774079.13	1.29012
410407.56	3774079.13	1.21497	410447.56	3774079.13	1.14173
410467.56	3774079.13	1.10800	410487.56	3774079.13	1.07685
410530.05	3774073.66	1.00990	410550.05	3774073.66	0.98138
410570.05	3774073.66	0.95463	410367.56	3774099.13	1.32269
410387.56	3774099.13	1.28152	410407.56	3774099.13	1.24300
410447.56	3774099.13	1.16700	410467.56	3774099.13	1.13171
410487.56	3774099.13	1.09864	410507.56	3774099.13	1.06746
410530.05	3774093.66	1.02823	410550.05	3774093.66	0.99879
410570.05	3774093.66	0.97114	410387.56	3774119.13	1.31202
410407.56	3774119.13	1.26800	410427.56	3774119.13	1.22958

410467.56	3774119.13	1.15571	410487.56	3774119.13	1.12084
410507.56	3774119.13	1.08726	410527.56	3774119.13	1.05548
410547.56	3774119.13	1.02531	410567.56	3774119.13	0.99623
410427.56	3774139.13	1.25664	410447.56	3774139.13	1.21708
410467.56	3774139.13	1.17906	410507.56	3774139.13	1.10880

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKF ***
INCLUDING SOURCE(S): L0000037 , L0000038 , L0000039 , L0000040 , L0000041 ,
L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 , L0000049 ,
L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
410527.56	3774139.13	1.07545	410547.56	3774139.13	1.04364	
410567.56	3774139.13	1.01350	410447.56	3774159.13	1.24252	
410467.56	3774159.13	1.20289	410487.56	3774159.13	1.16563	
410487.56	3774179.13	1.18764	410507.56	3774179.13	1.15032	
410527.56	3774179.13	1.11478	410547.56	3774179.13	1.08087	
410567.56	3774179.13	1.04623	410587.56	3774179.13	1.01579	
410507.56	3774199.13	1.17193 MEIR	410527.56	3774199.13	1.13481	
410547.56	3774199.13	1.09740	410567.56	3774199.13	1.06359	
410587.56	3774199.13	1.03207	410220.28	3775328.17	1.25457	Max Sports Park Rec
410240.28	3775328.17	1.23463	410260.28	3775328.17	1.21348	
410200.28	3775348.17	1.22333	410220.28	3775348.17	1.20660	
410240.28	3775348.17	1.18603	410260.28	3775348.17	1.16451	
410100.28	3775368.17	1.27750	410120.28	3775368.17	1.25472	
410140.28	3775368.17	1.22844	410160.28	3775368.17	1.21033	
410180.28	3775368.17	1.19356	410200.28	3775368.17	1.17559	
410220.28	3775368.17	1.15835	410240.28	3775368.17	1.13965	
410260.28	3775368.17	1.11951	410020.28	3775388.17	1.31616	
410040.28	3775388.17	1.30880	410060.28	3775388.17	1.27874	
410080.28	3775388.17	1.24824	410100.28	3775388.17	1.22339	
410120.28	3775388.17	1.19888	410140.28	3775388.17	1.17451	
410160.28	3775388.17	1.16057	410180.28	3775388.17	1.14761	
410200.28	3775388.17	1.13172	410220.28	3775388.17	1.11390	
410240.28	3775388.17	1.09643	410000.28	3775408.17	1.28153	
410020.28	3775408.17	1.26132	410040.28	3775408.17	1.25733	
410060.28	3775408.17	1.22756	410080.28	3775408.17	1.19793	
410100.28	3775408.17	1.17258	410120.28	3775408.17	1.14383	
410140.28	3775408.17	1.12781	410160.28	3775408.17	1.11563	
410180.28	3775408.17	1.10453	410200.28	3775408.17	1.09215	
410220.28	3775408.17	1.07515	410240.28	3775408.17	1.05695	
410000.28	3775428.17	1.23436	410020.28	3775428.17	1.21422	
410040.28	3775428.17	1.21415	410060.28	3775428.17	1.18264	
410080.28	3775428.17	1.15244	410100.28	3775428.17	1.13011	
410120.28	3775428.17	1.10462	410140.28	3775428.17	1.09407	
410160.28	3775428.17	1.07505	410180.28	3775428.17	1.06122	
410200.28	3775428.17	1.05529	410220.28	3775428.17	1.04020	

410240.28	3775428.17	1.01632	410020.28	3775448.17	1.17070
410040.28	3775448.17	1.17142	410060.28	3775448.17	1.13934
410080.28	3775448.17	1.10992	410100.28	3775448.17	1.09124
410120.28	3775448.17	1.07029	410140.28	3775448.17	1.06272
410160.28	3775448.17	1.03854	410180.28	3775448.17	1.02229

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: LIVEOAKF ***
INCLUDING SOURCE(S): L0000037 , L0000038 , L0000039 , L0000040 , L0000041 ,
L0000042 , L0000043 , L0000044 , L0000045 , L0000046 , L0000047 , L0000048 , L0000049 ,
L0000050 , L0000051 , L0000052 , L0000053 , L0000054 , L0000055 , L0000056 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	1.01909	410220.28	3775448.17	1.00359
410040.28	3775468.17	1.11201	410060.28	3775468.17	1.08987
410080.28	3775468.17	1.06975	410100.28	3775468.17	1.05214
410120.28	3775468.17	1.03354	410140.28	3775468.17	1.02448
410160.28	3775468.17	1.00823	410180.28	3775468.17	0.99305
410200.28	3775468.17	0.98038	410220.28	3775468.17	0.95916
410060.28	3775488.17	1.04666	410080.28	3775488.17	1.02776
410100.28	3775488.17	1.00620	410120.28	3775488.17	0.99308
410140.28	3775488.17	0.96951	410160.28	3775488.17	0.95309
410180.28	3775488.17	0.94487	410200.28	3775488.17	0.94158
410220.28	3775488.17	0.92076	410080.28	3775508.17	0.98440
410100.28	3775508.17	0.96035	410120.28	3775508.17	0.95361
410140.28	3775508.17	0.91925	410160.28	3775508.17	0.90142
410180.28	3775508.17	0.89930	410200.28	3775508.17	0.90616
410220.28	3775508.17	0.88612	410120.28	3775528.17	0.92233
410140.28	3775528.17	0.90693	410160.28	3775528.17	0.89416
410180.28	3775528.17	0.88651	410200.28	3775528.17	0.88132
410140.28	3775548.17	0.87524	410160.28	3775548.17	0.86538
410180.28	3775548.17	0.85544	410260.01	3775389.35	1.07535

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_E ***
INCLUDING SOURCE(S): L0000085 , L0000086 , L0000087 , L0000088 , L0000089 ,
L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 ,
L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.79851	410247.56	3773999.13	0.80145
410267.56	3773999.13	0.80410	410287.56	3773999.13	0.80642
410327.56	3773999.13	0.81016	410347.56	3773999.13	0.81161
410367.56	3773999.13	0.81271	410387.56	3773999.13	0.81351
410407.56	3773999.13	0.81397	410427.56	3773999.13	0.81403
410447.56	3773999.13	0.81369	410467.56	3773999.13	0.81298
410487.56	3773999.13	0.81188	410527.56	3773999.13	0.80875
410547.56	3773999.13	0.80668	410567.56	3773999.13	0.80430
410267.56	3774019.13	0.82688	410287.56	3774019.13	0.82939
410327.56	3774019.13	0.83351	410347.56	3774019.13	0.83510
410367.56	3774019.13	0.83631	410387.56	3774019.13	0.83716
410407.56	3774019.13	0.83786	410427.56	3774019.13	0.83804
410447.56	3774019.13	0.83773	410467.56	3774019.13	0.83699
410487.56	3774019.13	0.83586	410529.05	3774026.09	0.84091
410549.05	3774026.09	0.83882	410569.05	3774026.09	0.83617
410287.56	3774039.13	0.85339	410307.56	3774039.13	0.85584
410367.56	3774039.13	0.86094	410387.56	3774039.13	0.86196
410407.56	3774039.13	0.86271	410427.56	3774039.13	0.86293
410447.56	3774039.13	0.86269	410467.56	3774039.13	0.86205
410487.56	3774039.13	0.86091	410307.56	3774059.13	0.88125
410327.56	3774059.13	0.88351	410347.56	3774059.13	0.88531
410387.56	3774059.13	0.88795	410407.56	3774059.13	0.88869
410447.56	3774059.13	0.88881	410467.56	3774059.13	0.88831
410487.56	3774059.13	0.88718	410327.56	3774079.13	0.91018
410347.56	3774079.13	0.91229	410367.56	3774079.13	0.91391
410407.56	3774079.13	0.91589	410447.56	3774079.13	0.91628
410467.56	3774079.13	0.91589	410487.56	3774079.13	0.91481
410530.05	3774073.66	0.90321	410550.05	3774073.66	0.90095
410570.05	3774073.66	0.89810	410367.56	3774099.13	0.94230
410387.56	3774099.13	0.94383	410407.56	3774099.13	0.94470
410447.56	3774099.13	0.94514	410467.56	3774099.13	0.94481
410487.56	3774099.13	0.94385	410507.56	3774099.13	0.94227
410530.05	3774093.66	0.93192	410550.05	3774093.66	0.92956
410570.05	3774093.66	0.92657	410387.56	3774119.13	0.97397

410407.56	3774119.13	0.97506	410427.56	3774119.13	0.97553
410467.56	3774119.13	0.97526	410487.56	3774119.13	0.97439
410507.56	3774119.13	0.97303	410527.56	3774119.13	0.97106
410547.56	3774119.13	0.96848	410567.56	3774119.13	0.96539
410427.56	3774139.13	1.00753	410447.56	3774139.13	1.00779
410467.56	3774139.13	1.00753	410507.56	3774139.13	1.00513

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_E ***
INCLUDING SOURCE(S): L0000085 , L0000086 , L0000087 , L0000088 , L0000089 ,
L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 ,
L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
410527.56	3774139.13	1.00319	410547.56	3774139.13	1.00063	
410567.56	3774139.13	0.99743	410447.56	3774159.13	1.04169	
410467.56	3774159.13	1.04153	410487.56	3774159.13	1.04063	
410487.56	3774179.13	1.07673	410507.56	3774179.13	1.07532	
410527.56	3774179.13	1.07323	410547.56	3774179.13	1.07046	
410567.56	3774179.13	1.06704	410587.56	3774179.13	1.06280	
410507.56	3774199.13	1.11332 MEIR	410527.56	3774199.13	1.11128	
410547.56	3774199.13	1.10846	410567.56	3774199.13	1.10497	
410587.56	3774199.13	1.10056	410220.28	3775328.17	36.19524	Max Sports Park Rec
410240.28	3775328.17	31.68636	410260.28	3775328.17	28.07567	
410200.28	3775348.17	29.50038	410220.28	3775348.17	26.60190	
410240.28	3775348.17	24.10925	410260.28	3775348.17	21.95574	
410100.28	3775368.17	33.32869	410120.28	3775368.17	30.92685	
410140.28	3775368.17	28.65635	410160.28	3775368.17	26.51832	
410180.28	3775368.17	24.51345	410200.28	3775368.17	22.63896	
410220.28	3775368.17	20.91565	410240.28	3775368.17	19.34689	
410260.28	3775368.17	17.92361	410020.28	3775388.17	29.16319	
410040.28	3775388.17	28.20019	410060.28	3775388.17	27.12199	
410080.28	3775388.17	25.86898	410100.28	3775388.17	24.56251	
410120.28	3775388.17	23.24418	410140.28	3775388.17	21.92670	
410160.28	3775388.17	20.66270	410180.28	3775388.17	19.43133	
410200.28	3775388.17	18.24449	410220.28	3775388.17	17.11306	
410240.28	3775388.17	16.04980	410000.28	3775408.17	21.49127	
410020.28	3775408.17	21.44608	410040.28	3775408.17	21.09958	
410060.28	3775408.17	20.59516	410080.28	3775408.17	19.93355	
410100.28	3775408.17	19.19119	410120.28	3775408.17	18.38560	
410140.28	3775408.17	17.58173	410160.28	3775408.17	16.77294	
410180.28	3775408.17	15.96675	410200.28	3775408.17	15.16554	
410220.28	3775408.17	14.37934	410240.28	3775408.17	13.62146	
410000.28	3775428.17	16.55008	410020.28	3775428.17	16.67119	
410040.28	3775428.17	16.57659	410060.28	3775428.17	16.35549	
410080.28	3775428.17	15.99705	410100.28	3775428.17	15.56231	
410120.28	3775428.17	15.05954	410140.28	3775428.17	14.54722	
410160.28	3775428.17	13.99366	410180.28	3775428.17	13.43493	

410200.28	3775428.17	12.87984	410220.28	3775428.17	12.31634
410240.28	3775428.17	11.75012	410020.28	3775448.17	13.46500
410040.28	3775448.17	13.48408	410060.28	3775448.17	13.40219
410080.28	3775448.17	13.20930	410100.28	3775448.17	12.95268
410120.28	3775448.17	12.63538	410140.28	3775448.17	12.29971
410160.28	3775448.17	11.90759	410180.28	3775448.17	11.50903

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_E ***
INCLUDING SOURCE(S): L0000085 , L0000086 , L0000087 , L0000088 , L0000089 ,
L0000090 , L0000091 , L0000092 , L0000093 , L0000094 , L0000095 , L0000096 , L0000097 ,
L0000098 , L0000099 , L0000100 , L0000101 , L0000102 , L0000103 , L0000104 , L0000105 ,
L0000106 , L0000107 , L0000108 , L0000109 , L0000110 , L0000111 , L0000112 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	11.11311	410220.28	3775448.17	10.69404
410040.28	3775468.17	11.26014	410060.28	3775468.17	11.23899
410080.28	3775468.17	11.14493	410100.28	3775468.17	10.99281
410120.28	3775468.17	10.78774	410140.28	3775468.17	10.55802
410160.28	3775468.17	10.29226	410180.28	3775468.17	10.00319
410200.28	3775468.17	9.70250	410220.28	3775468.17	9.38206
410060.28	3775488.17	9.60381	410080.28	3775488.17	9.56080
410100.28	3775488.17	9.46317	410120.28	3775488.17	9.33663
410140.28	3775488.17	9.16189	410160.28	3775488.17	8.97303
410180.28	3775488.17	8.77209	410200.28	3775488.17	8.55588
410220.28	3775488.17	8.31308	410080.28	3775508.17	8.31211
410100.28	3775508.17	8.25336	410120.28	3775508.17	8.17809
410140.28	3775508.17	8.03509	410160.28	3775508.17	7.86669
410180.28	3775508.17	7.75892	410200.28	3775508.17	7.61172
410220.28	3775508.17	7.42173	410120.28	3775528.17	7.24222
410140.28	3775528.17	7.15777	410160.28	3775528.17	7.06124
410180.28	3775528.17	6.95139	410200.28	3775528.17	6.82819
410140.28	3775548.17	6.40660	410160.28	3775548.17	6.33830
410180.28	3775548.17	6.25379	410260.01	3775389.35	14.92011

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_W ***
INCLUDING SOURCE(S): L0000163 , L0000164 , L0000165 , L0000166 , L0000167 ,
L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 ,
L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 ,
L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410227.56	3773999.13	0.51895	410247.56	3773999.13	0.51319
410267.56	3773999.13	0.50744	410287.56	3773999.13	0.50169
410327.56	3773999.13	0.49025	410347.56	3773999.13	0.48456
410367.56	3773999.13	0.47890	410387.56	3773999.13	0.47326
410407.56	3773999.13	0.46766	410427.56	3773999.13	0.46208
410447.56	3773999.13	0.45654	410467.56	3773999.13	0.45104
410487.56	3773999.13	0.44558	410527.56	3773999.13	0.43479
410547.56	3773999.13	0.42947	410567.56	3773999.13	0.42385
410267.56	3774019.13	0.51666	410287.56	3774019.13	0.51069
410327.56	3774019.13	0.49881	410347.56	3774019.13	0.49292
410367.56	3774019.13	0.48704	410387.56	3774019.13	0.48119
410407.56	3774019.13	0.47540	410427.56	3774019.13	0.46924
410447.56	3774019.13	0.46351	410467.56	3774019.13	0.45782
410487.56	3774019.13	0.45254	410529.05	3774026.09	0.44330
410549.05	3774026.09	0.43703	410569.05	3774026.09	0.43153
410287.56	3774039.13	0.51992	410307.56	3774039.13	0.51375
410367.56	3774039.13	0.49537	410387.56	3774039.13	0.48931
410407.56	3774039.13	0.48330	410427.56	3774039.13	0.47694
410447.56	3774039.13	0.47100	410467.56	3774039.13	0.46510
410487.56	3774039.13	0.45927	410307.56	3774059.13	0.52298
410327.56	3774059.13	0.51659	410347.56	3774059.13	0.51022
410387.56	3774059.13	0.49762	410407.56	3774059.13	0.49138
410447.56	3774059.13	0.47866	410467.56	3774059.13	0.47217
410487.56	3774059.13	0.46651	410327.56	3774079.13	0.52580
410347.56	3774079.13	0.51919	410367.56	3774079.13	0.51263
410407.56	3774079.13	0.49964	410447.56	3774079.13	0.48686
410467.56	3774079.13	0.47976	410487.56	3774079.13	0.47352
410530.05	3774073.66	0.45892	410550.05	3774073.66	0.45252
410570.05	3774073.66	0.44657	410367.56	3774099.13	0.52157
410387.56	3774099.13	0.51481	410407.56	3774099.13	0.50810
410447.56	3774099.13	0.49485	410467.56	3774099.13	0.48754
410487.56	3774099.13	0.48105	410507.56	3774099.13	0.47466
410530.05	3774093.66	0.46559	410550.05	3774093.66	0.45859
410570.05	3774093.66	0.45206	410387.56	3774119.13	0.52372

410407.56	3774119.13	0.51676	410427.56	3774119.13	0.50985
410467.56	3774119.13	0.49585	410487.56	3774119.13	0.48874
410507.56	3774119.13	0.48131	410527.56	3774119.13	0.47433
410547.56	3774119.13	0.46785	410567.56	3774119.13	0.46104
410427.56	3774139.13	0.51805	410447.56	3774139.13	0.51096
410467.56	3774139.13	0.50353	410507.56	3774139.13	0.48973

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_W ***
INCLUDING SOURCE(S): L0000163 , L0000164 , L0000165 , L0000166 , L0000167 ,
L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 ,
L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 ,
L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
410527.56	3774139.13	0.48173	410547.56	3774139.13	0.47457	
410567.56	3774139.13	0.46794	410447.56	3774159.13	0.51907	
410467.56	3774159.13	0.51178	410487.56	3774159.13	0.50460	
410487.56	3774179.13	0.51149	410507.56	3774179.13	0.50370	
410527.56	3774179.13	0.49642	410547.56	3774179.13	0.48884	
410567.56	3774179.13	0.48174	410587.56	3774179.13	0.47486	
410507.56	3774199.13	0.51178 MEIR	410527.56	3774199.13	0.50421	
410547.56	3774199.13	0.49637	410567.56	3774199.13	0.48859	
410587.56	3774199.13	0.48149	410220.28	3775328.17	2.45247	Max Sports Park Rec
410240.28	3775328.17	2.30746	410260.28	3775328.17	2.17989	
410200.28	3775348.17	2.65568	410220.28	3775348.17	2.48334	
410240.28	3775348.17	2.33863	410260.28	3775348.17	2.21618	
410100.28	3775368.17	3.95399	410120.28	3775368.17	3.61314	
410140.28	3775368.17	3.34299	410160.28	3775368.17	3.09024	
410180.28	3775368.17	2.86899	410200.28	3775368.17	2.67829	
410220.28	3775368.17	2.50935	410240.28	3775368.17	2.36629	
410260.28	3775368.17	2.24100	410020.28	3775388.17	6.05974	
410040.28	3775388.17	5.29472	410060.28	3775388.17	4.74629	
410080.28	3775388.17	4.31425	410100.28	3775388.17	3.93339	
410120.28	3775388.17	3.62403	410140.28	3775388.17	3.35797	
410160.28	3775388.17	3.10380	410180.28	3775388.17	2.87645	
410200.28	3775388.17	2.68637	410220.28	3775388.17	2.52650	
410240.28	3775388.17	2.38170	410000.28	3775408.17	6.56930	
410020.28	3775408.17	5.78870	410040.28	3775408.17	5.10531	
410060.28	3775408.17	4.62408	410080.28	3775408.17	4.23406	
410100.28	3775408.17	3.89415	410120.28	3775408.17	3.61198	
410140.28	3775408.17	3.33858	410160.28	3775408.17	3.09184	
410180.28	3775408.17	2.87229	410200.28	3775408.17	2.67734	
410220.28	3775408.17	2.52200	410240.28	3775408.17	2.38444	
410000.28	3775428.17	6.08436	410020.28	3775428.17	5.46166	
410040.28	3775428.17	4.86409	410060.28	3775428.17	4.45484	
410080.28	3775428.17	4.11307	410100.28	3775428.17	3.80254	
410120.28	3775428.17	3.53946	410140.28	3775428.17	3.27178	
410160.28	3775428.17	3.05777	410180.28	3775428.17	2.85695	

410200.28	3775428.17	2.65445	410220.28	3775428.17	2.50215
410240.28	3775428.17	2.39079	410020.28	3775448.17	5.11661
410040.28	3775448.17	4.60806	410060.28	3775448.17	4.26471
410080.28	3775448.17	3.96775	410100.28	3775448.17	3.68577
410120.28	3775448.17	3.43952	410140.28	3775448.17	3.18238
410160.28	3775448.17	3.00314	410180.28	3775448.17	2.82266

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ARROWH_W ***
INCLUDING SOURCE(S): L0000163 , L0000164 , L0000165 , L0000166 , L0000167 ,
L0000168 , L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 ,
L0000176 , L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 ,
L0000184 , L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
410200.28	3775448.17	2.62707	410220.28	3775448.17	2.48164
410040.28	3775468.17	4.41026	410060.28	3775468.17	4.09722
410080.28	3775468.17	3.81491	410100.28	3775468.17	3.55939
410120.28	3775468.17	3.33616	410140.28	3775468.17	3.10554
410160.28	3775468.17	2.92419	410180.28	3775468.17	2.75567
410200.28	3775468.17	2.59771	410220.28	3775468.17	2.48405
410060.28	3775488.17	3.90413	410080.28	3775488.17	3.66065
410100.28	3775488.17	3.45011	410120.28	3775488.17	3.23690
410140.28	3775488.17	3.07884	410160.28	3775488.17	2.91757
410180.28	3775488.17	2.74388	410200.28	3775488.17	2.56921
410220.28	3775488.17	2.46672	410080.28	3775508.17	3.51268
410100.28	3775508.17	3.34165	410120.28	3775508.17	3.13764
410140.28	3775508.17	3.05580	410160.28	3775508.17	2.93856
410180.28	3775508.17	2.74289	410200.28	3775508.17	2.52637
410220.28	3775508.17	2.44507	410120.28	3775528.17	3.01345
410140.28	3775528.17	2.87086	410160.28	3775528.17	2.73328
410180.28	3775528.17	2.58973	410200.28	3775528.17	2.44831
410140.28	3775548.17	2.77066	410160.28	3775548.17	2.64050
410180.28	3775548.17	2.51927	410260.01	3775389.35	2.26269

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
			Maximum Sports Park Receptor		
B2_IDLE	1ST HIGHEST VALUE IS	367.76993 AT	(410220.28, 3775328.17, 129.20, 1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	349.69886 AT	(410240.28, 3775328.17, 129.32, 1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	329.90759 AT	(410260.28, 3775328.17, 129.60, 1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	324.88560 AT	(410200.28, 3775348.17, 129.36, 1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	316.05937 AT	(410220.28, 3775348.17, 129.32, 1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	306.28856 AT	(410240.28, 3775348.17, 129.58, 1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	292.85315 AT	(410260.28, 3775348.17, 130.00, 1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	278.02704 AT	(410160.28, 3775368.17, 129.45, 1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	276.83468 AT	(410180.28, 3775368.17, 129.46, 1648.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	275.56628 AT	(410200.28, 3775368.17, 129.56, 1648.19, 0.00)	DC	
B1_IDLE	1ST HIGHEST VALUE IS	409.16767 AT	(410220.28, 3775328.17, 129.20, 1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	403.27612 AT	(410240.28, 3775328.17, 129.32, 1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	396.06349 AT	(410260.28, 3775328.17, 129.60, 1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	381.20024 AT	(410200.28, 3775348.17, 129.36, 1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	377.18122 AT	(410220.28, 3775348.17, 129.32, 1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	376.77458 AT	(410100.28, 3775368.17, 128.71, 1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	375.95115 AT	(410040.28, 3775388.17, 127.32, 1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	372.48376 AT	(410020.28, 3775388.17, 127.92, 1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	371.49460 AT	(410120.28, 3775368.17, 128.94, 1648.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	370.74377 AT	(410240.28, 3775348.17, 129.58, 1648.19, 0.00)	DC	
TR_RUNEX	1ST HIGHEST VALUE IS	3.90177 AT	(410220.28, 3775328.17, 129.20, 1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	3.89548 AT	(410240.28, 3775328.17, 129.32, 1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	3.87778 AT	(410260.28, 3775328.17, 129.60, 1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	3.43601 AT	(410240.28, 3775348.17, 129.58, 1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	3.43351 AT	(410220.28, 3775348.17, 129.32, 1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	3.42780 AT	(410260.28, 3775348.17, 130.00, 1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	3.41294 AT	(410200.28, 3775348.17, 129.36, 1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	3.04056 AT	(410260.28, 3775368.17, 130.26, 1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	3.03577 AT	(410240.28, 3775368.17, 129.86, 1648.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	3.02038 AT	(410220.28, 3775368.17, 129.64, 1648.19, 0.00)	DC	
YARD_EMS	1ST HIGHEST VALUE IS	4.61685 AT	(410240.28, 3775328.17, 129.32, 1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	4.61143 AT	(410220.28, 3775328.17, 129.20, 1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	4.60850 AT	(410260.28, 3775328.17, 129.60, 1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	4.10837 AT	(410260.28, 3775348.17, 130.00, 1648.19, 0.00)	DC	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
LIVEOAKE	1ST HIGHEST VALUE IS	7.61132 AT	(410507.56,	3774199.13,	122.95,	1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	7.27185 AT	(410527.56,	3774199.13,	123.17,	1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	7.10489 AT	(410487.56,	3774179.13,	122.77,	1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	6.91505 AT	(410547.56,	3774199.13,	123.31,	1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	6.83480 AT	(410507.56,	3774179.13,	122.94,	1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	6.82858 AT	(410447.56,	3774159.13,	122.11,	1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	6.63039 AT	(410467.56,	3774159.13,	122.37,	1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	6.54851 AT	(410527.56,	3774179.13,	123.08,	1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	6.54738 AT	(410567.56,	3774199.13,	123.54,	1648.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	6.41422 AT	(410487.56,	3774159.13,	122.43,	1648.19, 0.00)	DC	
LIVEOAKW	1ST HIGHEST VALUE IS	1.29316 AT	(410020.28,	3775388.17,	127.92,	1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	1.28098 AT	(410000.28,	3775408.17,	127.99,	1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	1.25980 AT	(410020.28,	3775408.17,	128.19,	1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	1.25724 AT	(410040.28,	3775388.17,	127.32,	1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	1.24557 AT	(410060.28,	3775388.17,	128.06,	1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	1.24244 AT	(410000.28,	3775428.17,	127.98,	1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	1.24192 AT	(410100.28,	3775368.17,	128.71,	1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	1.23216 AT	(410080.28,	3775388.17,	128.66,	1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	1.22608 AT	(410040.28,	3775408.17,	127.52,	1648.19, 0.00)	DC	
	10TH HIGHEST VALUE IS	1.22318 AT	(410020.28,	3775428.17,	128.23,	1648.19, 0.00)	DC	
LIVEOAKF	1ST HIGHEST VALUE IS	1.41120 AT	(410227.56,	3773999.13,	119.52,	1648.19, 0.00)	DC	
	2ND HIGHEST VALUE IS	1.37793 AT	(410287.56,	3774039.13,	120.15,	1648.19, 0.00)	DC	
	3RD HIGHEST VALUE IS	1.37705 AT	(410267.56,	3774019.13,	119.96,	1648.19, 0.00)	DC	
	4TH HIGHEST VALUE IS	1.37560 AT	(410307.56,	3774059.13,	120.61,	1648.19, 0.00)	DC	
	5TH HIGHEST VALUE IS	1.37378 AT	(410247.56,	3773999.13,	119.68,	1648.19, 0.00)	DC	
	6TH HIGHEST VALUE IS	1.37144 AT	(410327.56,	3774079.13,	120.74,	1648.19, 0.00)	DC	
	7TH HIGHEST VALUE IS	1.33919 AT	(410287.56,	3774019.13,	120.05,	1648.19, 0.00)	DC	
	8TH HIGHEST VALUE IS	1.33853 AT	(410307.56,	3774039.13,	120.38,	1648.19, 0.00)	DC	
	9TH HIGHEST VALUE IS	1.33727 AT	(410267.56,	3773999.13,	119.82,	1648.19, 0.00)	DC	

*** 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   130 Warning Message(s)
A Total of   1684 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   75 Calm Hours Identified

A Total of   1609 Missing Hours Identified (3.67 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***
   ********   WARNING MESSAGES   ********
SO W320   610   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   611   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   612   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   613   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   614   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   615   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   616   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   617   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   618   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   619   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   620   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   621   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   622   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   623   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   624   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   625   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   626   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   627   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   628   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   629   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   630   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   631   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   632   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   633   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   634   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   635   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   636   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   637   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
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SO W320   639   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS
SO W320   640   PPARM: Input Parameter May Be Out-of-Range for Parameter   VS

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SO W320     641        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     642        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     643        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     644        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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SO W320     664        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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SO W320     690        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     691        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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SO W320     692        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     693        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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SO W320     701        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     702        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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SO W320     712        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     713        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     714        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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SO W320     718        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     719        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     720        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     721        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     722        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     723        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     724        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     725        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
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SO W320     729        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     730        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     731        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     732        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     733        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     734        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     735        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     736        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
SO W320     737        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
ME W186    5561       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used         0.50
ME W187    5561       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
   ************************************
   *** AERMOD Finishes Successfully ***
   ************************************
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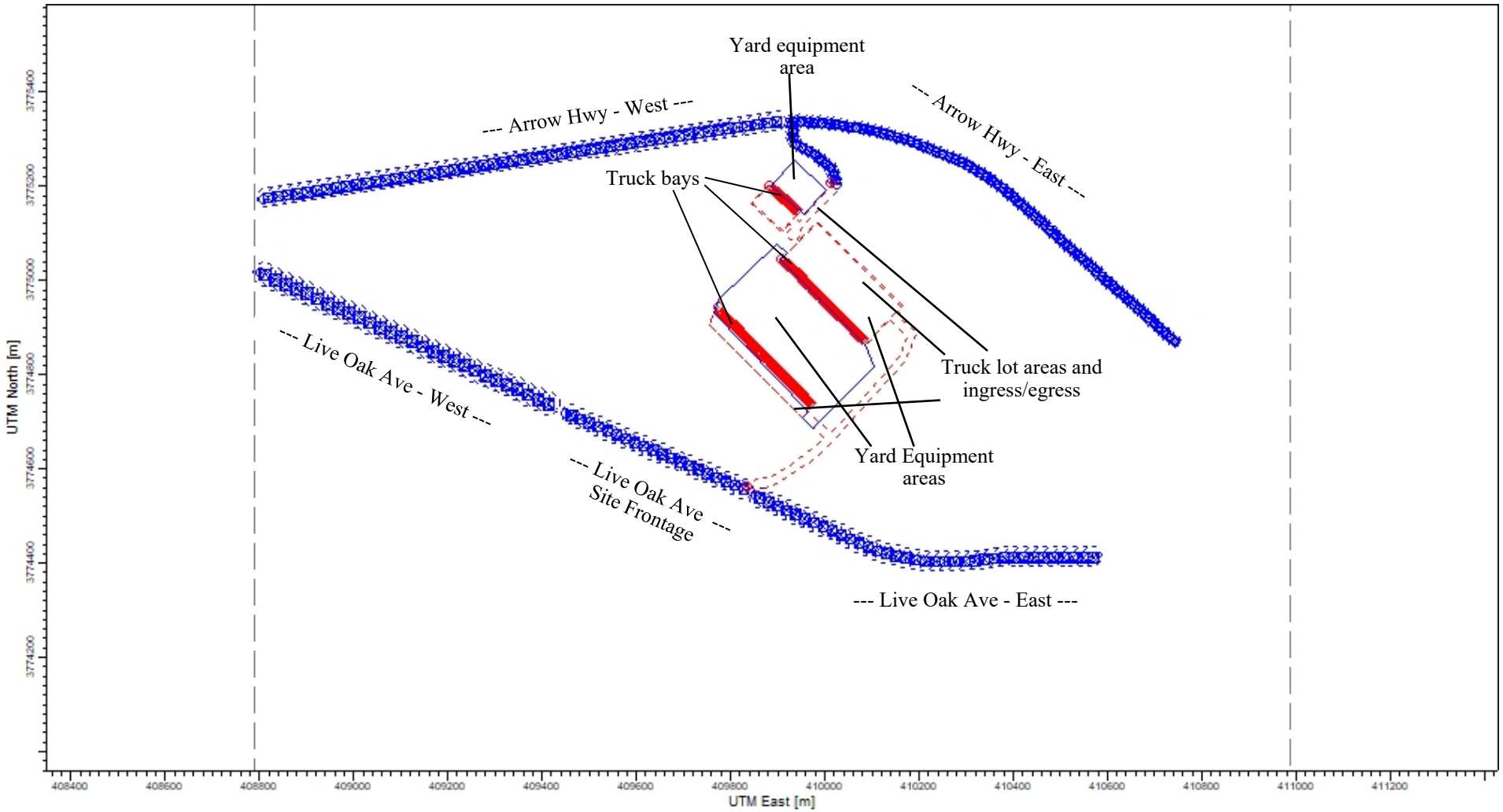
Irwindale Gateway Specific Plan - Option 2
Irwindale, CA
Operation 24 hours per day, 7 days per week

Trucking Operations
Heavy-Heavy Duty Trucks: 209 trucks per day (round trip); Idling 30 min/day
Transport Refrigeration Units (TRUs): 115 trucks per day (round trip), cycling on for 2 hours per day
Additional: 37 forklifts and 3 yard trucks operating 8 hours per day



- Release height of 4.15 m and initial vertical dimension (δy) of 1.93 m is based upon California Air Resources Board's "Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles" (2000).
- The following point source specifications were used to model truck idling at loading bays: stack temp 366 K, stack velocity 51.7 m/s, stack diameter 4 in, stack height 4.15 m (CARB, Risk Characterization Scenarios, Appendix VII for idling diesel trucks, 2000).

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Attachment E. Construction Risk Calculations

Table E1
MEIR Concentrations for Risk Calculations - Option 1

Contaminant	Source		Model Output [1] ($\mu g/m^3$)	Emission Rates [2] (g/s)	MEIR Conc. ($\mu g/m^3$)	Total MEIR Conc. Annual Average ($\mu g/m^3$)
(a)	(b)		(c)	(d)	(e)	(f)
Residential Receptors - Option 1						
DPM	2024	On-Site Emissions	0.02	1.80E-02	4.03E-04	4.07E-04
		Truck Route	0.06	6.20E-05	3.50E-06	
	2025	On-Site Emissions	0.02	7.23E-02	1.62E-03	1.63E-03
		Truck Route	0.06	8.20E-05	4.63E-06	
	2026	On-Site Emissions	0.02	4.84E-02	1.09E-03	1.09E-03
		Truck Route	0.06	8.09E-05	4.56E-06	
	2027	On-Site Emissions	0.02	4.33E-02	9.71E-04	9.73E-04
		Truck Route	0.06	3.43E-05	1.93E-06	

Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations

MEIR UTM: 410507.56E, 3774199.13N

[1] Model Output at the maximum exposed individual resident (MEIR) based on unit emission rates for sources (1 g/s).

[2] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Table E2
MEIR Health Risk Calculations
Option 1

Source		MEIR Conc. ($\mu g/m^3$)	Weight Fraction	Contaminant	URF $(\mu g/m^3)^{-1}$	CPF $(mg/kg/day)^{-1}$	Dose (by age bin) 3rd Trimester (mg/kg-day)	Dose (by age bin) 0 < 2 years (mg/kg-day)	Dose (by age bin) 2 < 9 years (mg/kg-day)	Carcinogenic Risks (by age bin) 3rd Trimester per million	Carcinogenic Risks (by age bin) 0 < 2 years per million	Carcinogenic Risks (by age bin) 2 < 9 years per million	**Total Cancer** per million	**Chronic Hazards** [3] REL ($\mu g/m^3$)	RESP
(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Residential Receptors - Option 1															
2024	On & Off-Site Emissions	4.07E-04	1.0E+00	DPM	3.0E-04	1.1E+00	1.41E-07	4.25E-07		4.49E-03	1.17E-02		0.02	5.0E+00	8.14E-05
2025		1.63E-03						1.70E-06			2.17E-01		0.22		3.26E-04
2026		1.09E-03						1.14E-06	9.01E-07		1.11E-03	8.72E-03	0.01		2.18E-04
2027		9.73E-04							8.03E-07			1.61E-02	0.02		1.95E-04
												Total	**0.3**		**0.001**

	OEHHA age bin	3rd Trimester	0 < 2 years	2 < 9 years
	exposure year(s)	2024	2024-2026	2026-2027
Dose Exposure Factors:	exposure frequency (days/year)	350	350	350
	inhalation rate (L/kg-day) [1]	361	1090	861
	inhalation absorption factor	1	1	1
	conversion factor (mg/µg; m^3/L)	1.0E-06	1.0E-06	1.0E-06
Risk Calculation Factors:	age sensitivity factor	10	10	3
	averaging time (years)	70	70	70
	per million	1.0E+06	1.0E+06	1.0E+06
	fraction of time at home	0.85	0.85	0.72

exposure durations per age bin		exposure durations (year)		
Construction Year	Const Duration [2]	3rd Trimester	0 < 2 years	2 < 9 years
2024	0.47	0.25	0.22	
2025	1.00		1.00	
2026	0.31		0.01	0.30
2027	0.62			0.62
Total	2.39	0.25	1.22	0.92

[1] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

[3] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

Table E3
Youth Sports Park MER Concentrations for Risk Calculations - Option 1

Contaminant	Source		Model Output [1] ($\mu g/m^3$)	Emission Rates [2] (g/s)	Maximum Exposed School Receptor Conc. ($\mu g/m^3$)	Total Maximum Exposed School Receptor Conc Annual Average ($\mu g/m^3$)
(a)	(b)		(c)	(d)	(e)	(f)
Youth Sports Park Receptors - Option 1						
DPM	2024	On-Site Emissions	0.52	1.80E-02	9.43E-03	9.48E-03
		Truck Route	0.80	6.20E-05	4.95E-05	
	2025	On-Site Emissions	0.52	7.23E-02	3.80E-02	3.80E-02
		Truck Route	0.80	8.20E-05	6.55E-05	
	2026	On-Site Emissions	0.52	4.84E-02	2.54E-02	2.55E-02
		Truck Route	0.80	8.09E-05	6.46E-05	
	2027	On-Site Emissions	0.52	4.33E-02	2.27E-02	2.27E-02
		Truck Route	0.80	3.43E-05	2.74E-05	

Maximum Exposed Sports Park Receptor (Kare Youth League Irwindale) UTM coordinates: 410100.28E, 3775368.17 N

[1] Model Output at the Maximum Exposed Sports Park Receptor based on unit emission rates for sources (1 g/s).

[2] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Table E4
Youth Sports Park Health Risk Calculations - Option 1

Source		MER Conc. ($\mu g/m^3$) (b)	Weight Fraction (c)	Contaminant (d)	URF $(\mu g/m^3)^{-1}$ (e)	CPF $(mg/kg/day)^{-1}$ (f)	Dose (by age bin) Youth Sports Park 2 < 9 years (mg/kg-day) (g)	Exposure Duration[3] (yr) (h)	**Carcinogenic Risks** Youth Sports Park 2 < 9 years per million (i)	**Chronic Hazards [4]** REL ($\mu g/m^3$) (j)	RESP (k)
Youth Sports Park Receptors - Option 1											
2024	On & Off-Site Emissions	9.48E-03	1.0E+00	DPM	3.0E-04	1.1E+00	1.90E-06	0.47	0.04	5.0E+00	1.90E-03
2025		3.80E-02					7.61E-06	1.00	0.34		7.61E-03
2026		2.55E-02					5.10E-06	0.31	0.07		5.09E-03
2027		2.27E-02					4.55E-06	0.62	0.13		4.55E-03
								Total	**0.6**		**0.019**

		Youth Sports Park User
	OEHHA age bin	2 < 9 years
	exposure year(s)	2024 to 2027
Dose Exposure Factors:	exposure frequency (days/year)	180
	fraction of time at the park (4 hrs/day)[1]	0.5
	8-hour inhalation rate (L/kg-day) [2]	812
	inhalation absorption factor	1
	conversion factor (mg/µg; m^3/L)	1.0E-06
Risk Calculation Factors:	age sensitivity factor	3
	averaging time (years)	70
	per million	1.0E+06

[1] Typical youth sport schedule consists of 1-2.5 hours/week for practice and games (ref). Conservatively, youth sport users assumed to be present at the park 4 hours per day over the 8-hour construction work day modeled in AERMOD. Therefore, fraction of time at the park is 0.5 (4 hours of the 8-hour exposure

2 Inhalation rate taken as the 8-hour 95th percentile breathing rates multiplied by the mean METS distribution for walk/bike/jog of 5.8 to represent exercise at youth park (OEHHA, 2015). For ages 2 < 9, 140 L/kg-day x 5.8 = 812 L/kg-day.

[3] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

[4] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

Table E5
MEIR Concentrations for Risk Calculations - Option 2

Contaminant	Source		Model Output [1] ($\mu g/m^3$)	Emission Rates [2] (g/s)	MEIR Conc. ($\mu g/m^3$)
(a)	(b)		(c)	(d)	(e)
Residential Receptors - Option 2					
DPM	2024	On-Site Emissions	0.02	1.80E-02	4.03E-04
		Truck Route	0.06	4.44E-05	2.50E-06
	2025	On-Site Emissions	0.02	7.19E-02	1.61E-03
		Truck Route	0.06	6.45E-05	3.64E-06
	2026	On-Site Emissions	0.02	4.84E-02	1.09E-03
		Truck Route	0.06	6.33E-05	3.57E-06
	2027	On-Site Emissions	0.02	4.48E-02	1.00E-03
		Truck Route	0.06	2.55E-05	1.44E-06

MEIR UTM: 410507.56E, 3774199.13N

[1] Model Output at the MEIR based on unit emission rates for sources (1 g/s).

[2] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Table E6
MEIR Health Risk Calculations
Option 2

Source		MEIR Conc. ($\mu g/m^3$)	Weight Fraction	Contaminant	URF $(\mu g/m^3)^{-1}$	CPF $(mg/kg/day)^{-1}$	Dose (by age bin) 3rd Trimester (mg/kg-day)	Dose (by age bin) 0 < 2 years (mg/kg-day)	Dose (by age bin) 2 < 9 years (mg/kg-day)	Carcinogenic Risks (by age bin) 3rd Trimester per million	Carcinogenic Risks (by age bin) 0 < 2 years per million	Carcinogenic Risks (by age bin) 2 < 9 years per million	**Total Cancer** per million	**Chronic Hazards** [3] REL ($\mu g/m^3$)	RESP
(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Residential Receptors - Option 2															
2024	On & Off-Site Emissions	4.06E-04	1.0E+00	DPM	3.0E-04	1.1E+00	1.40E-07	4.24E-07		4.48E-03	1.17E-02		0.0	5.0E+00	8.12E-05
2025		1.62E-03						1.69E-06			2.16E-01		0.2		3.23E-04
2026		1.09E-03						1.14E-06	9.00E-07		1.11E-03	8.71E-03	0.0		2.18E-04
2027		1.01E-03							8.31E-07			1.66E-02	0.0		2.01E-04
												Total	**0.3**		**0.001**

		OEHHA age bin	3rd Trimester	0 < 2 years	2 < 9 years
		exposure year(s)	2024	2024-2026	2026-2027
Dose Exposure Factors:		exposure frequency (days/year)	350	350	350
		inhalation rate (L/kg-day) [1]	361	1090	861
		inhalation absorption factor	1	1	1
		conversion factor (mg/µg; m^3/L)	1.0E-06	1.0E-06	1.0E-06
Risk Calculation Factors:		age sensitivity factor	10	10	3
		averaging time (years)	70	70	70
		per million	1.0E+06	1.0E+06	1.0E+06
		fraction of time at home	0.85	0.85	0.72

exposure durations per age bin		exposure durations (year)		
Construction Year	Const Duration [2]	3rd Trimester	0 < 2 years	2 < 9 years
2024	0.47	0.25	0.22	
2025	1.00		1.00	
2026	0.31		0.01	0.30
2027	0.62			0.62
Total	2.39	0.25	1.22	0.92

[1] Inhalation rate taken as the 95th percentile breathing rates (OEHHA, 2015).

[2] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

[3] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

Table E7
Youth Sports Park MER Concentrations for Risk Calculations - Option 2

Contaminant	Source		Model Output [1] ($\mu g/m^3$)	Emission Rates [2] (g/s)	Maximum Exposed School Receptor Conc. ($\mu g/m^3$)	Total Maximum Exposed School Receptor Conc Annual Average ($\mu g/m^3$)
(a)	(b)		(c)	(d)	(e)	(f)
Youth Sports Park Receptors - Option 2						
DPM	2024	On-Site Emissions	0.52	1.80E-02	9.43E-03	9.47E-03
		Truck Route	0.80	4.44E-05	3.54E-05	
	2025	On-Site Emissions	0.52	7.19E-02	3.77E-02	3.78E-02
		Truck Route	0.80	6.45E-05	5.15E-05	
	2026	On-Site Emissions	0.52	4.84E-02	2.54E-02	2.55E-02
		Truck Route	0.80	6.33E-05	5.05E-05	
	2027	On-Site Emissions	0.52	4.48E-02	2.35E-02	2.35E-02
		Truck Route	0.80	2.55E-05	2.03E-05	

Maximum Exposed Sports Park Receptor (Kare Youth League Irwindale) UTM coordinates: 410100.28E, 3775368.17 N

[1] Model Output at the Maximum Exposed Park Receptor based on unit emission rates for sources (1 g/s).

[2] Emission Rates from Emission Rate Calculations (Appendix A - Construction Emissions).

Table E8
Youth Sports Park Health Risk Calculations - Option 2

Source		MER Conc. ($\mu g/m^3$)	Weight Fraction	Contaminant	URF $(\mu g/m^3)^{-1}$	CPF $(mg/kg/day)^{-1}$	Dose (by age bin) Youth Sports Park 2 < 9 years (mg/kg-day)	Exposure Duration[3] (yr)	Carcinogenic Risks Youth Sports Park 2 < 9 years per million	**Chronic Hazards [4]** REL ($\mu g/m^3$)	RESP
(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Youth Sports Park Receptors - Option 2											
2024	On & Off-Site Emissions	9.47E-03	1.0E+00	DPM	3.0E-04	1.1E+00	1.90E-06	0.47	0.04	5.0E+00	1.89E-03
2025		3.78E-02					7.57E-06	1.00	0.34		7.56E-03
2026		2.55E-02					5.10E-06	0.31	0.07		5.09E-03
2027		2.35E-02					4.71E-06	0.62	0.13		4.70E-03
								Total	**0.6**		**0.019**

		Youth Sports Park User
	OEHHA age bin	2 < 9 years
	exposure year(s)	2024 to 2027
Dose Exposure Factors:	exposure frequency (days/year)	180
	fraction of time at the park (4 hrs/day)[1]	0.5
	8-hour inhalation rate (L/kg-day) [2]	812
	inhalation absorption factor	1
	conversion factor (mg/µg; m^3/L)	1.0E-06
Risk Calculation Factors:	age sensitivity factor	3
	averaging time (years)	70
	per million	1.0E+06

[1] Typical youth sport schedule consists of 1-2.5 hours/week for practice and games (ref). Conservatively, youth sport users assumed to be present at the park 4 hours per day over the 8-hour construction work day modeled in AERMOD. Therefore, fraction of time at the park is 0.5 (4 hours of the 8-hour exposure

2 Inhalation rate taken as the 8-hour 95th percentile breathing rates multiplied by the mean METS distribution for walk/bike/jog of 5.8 to represent exercise at youth park (OEHHA, 2015). For ages 2 < 9, 140 L/kg-day x 5.8 = 812 L/kg-day.

[3] Construction durations determined for each year to adjust receptor exposures to the exposure durations for each construction year (see App A - Construction Emissions).

[4] Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

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Attachment F. Operational Risk Calculations

Table F1 - Option 1
MEIR Concentration Worksheet
Input into HARP2

Source No.	Source	Contaminant	Weight Fraction	Emission Rates[1] **Annual Avg** (g/s)	AERMOD Output[2] **Annual Avg** ($\mu g/m^3$)	Annual Average MER Concentration ($\mu g/m^3$)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
Maximum Exposed Individual Residential (MEIR)						
1	Trucks (on-site running)	DPM	1.0E+00	7.91E-05	0.966	7.65E-05
2	Truck/TRU Idling - Bldg 1	DPM	1.0E+00	7.23E-06	40.47	2.92E-04
3	Truck/TRU Idling - Bldg 2	DPM	1.0E+00	7.23E-06	150.5	1.09E-03
4	Truck/TRU Idling - Bldg 3	DPM	1.0E+00	7.23E-06	12.49	9.02E-05
5	Yard Emissions	DPM	1.0E+00	8.12E-03	0.869	7.06E-03
6	Arrowhead HWY, east	DPM	1.0E+00	2.29E-06	1.113	2.55E-06
7	Arrowhead HWY, west	DPM	1.0E+00	8.82E-07	0.512	4.52E-07
8	Live Oak Ave, site frontage	DPM	1.0E+00	3.34E-06	1.172	3.91E-06
9	Live Oak Ave, east	DPM	1.0E+00	3.02E-06	7.611	2.30E-05
10	Live Oak Ave, west	DPM	1.0E+00	3.21E-06	0.515	1.65E-06
Note: Maximum Exposed Individual Residential (MEIR) UTM: 410507.56, 3774199.13						For Cancer/Chronic Calculation

[1] Emission Rates, per source, from Source Emissions Inventories (Appendix A).

[2] AERMOD Output (Appendix B) at the maximum exposed receptor (MER) are based on unit emission rates for emission sources (1 g/s per source).

*HARP - HRACalc v22118 5/23/2023 12:55:40 PM - Cancer Risk - Input File: C:\!AERMOD\!HARP_Output\IRWOP\MEIR_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS
1			9901	DieselExhP	7.65E-05	5.22E-08	30YrCancer	*	5.22E-08	0.00E+00	0.00E+00	0.00E+00
2			9901	DieselExhP	0.000292	1.99E-07	30YrCancer	*	1.99E-07	0.00E+00	0.00E+00	0.00E+00
3			9901	DieselExhP	0.00109	7.43E-07	30YrCancer	*	7.43E-07	0.00E+00	0.00E+00	0.00E+00
4			9901	DieselExhP	9.02E-05	6.15E-08	30YrCancer	*	6.15E-08	0.00E+00	0.00E+00	0.00E+00
5			9901	DieselExhP	0.00706	4.81E-06	30YrCancer	*	4.81E-06	0.00E+00	0.00E+00	0.00E+00
6			9901	DieselExhP	2.55E-06	1.74E-09	30YrCancer	*	1.74E-09	0.00E+00	0.00E+00	0.00E+00
7			9901	DieselExhP	4.52E-07	3.08E-10	30YrCancer	*	3.08E-10	0.00E+00	0.00E+00	0.00E+00
8			9901	DieselExhP	3.91E-06	2.67E-09	30YrCancer	*	2.67E-09	0.00E+00	0.00E+00	0.00E+00
9			9901	DieselExhP	2.30E-05	1.57E-08	30YrCancer	*	1.57E-08	0.00E+00	0.00E+00	0.00E+00
10			9901	DieselExhP	1.65E-06	1.13E-09	30YrCancer	*	1.13E-09	0.00E+00	0.00E+00	0.00E+00

SUM 5.89E-06

5.9 per million

*HARP - HRACalc v22118 5/23/2023 12:55:40 PM - Chronic Risk - Input File: C:\!AERMOD\!HARP_Output\IRWOP\MEIR_HRAInput.hra

INDEX	POLID	POLABBRE	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN
1	9901	DieselExhP	7.65E-05	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00
2	9901	DieselExhP	0.000292	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-05	0.00E+00
3	9901	DieselExhP	0.00109	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-04	0.00E+00
4	9901	DieselExhP	9.02E-05	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-05	0.00E+00
5	9901	DieselExhP	0.00706	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	0.00E+00
6	9901	DieselExhP	2.55E-06	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-07	0.00E+00
7	9901	DieselExhP	4.52E-07	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-08	0.00E+00
8	9901	DieselExhP	3.91E-06	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-07	0.00E+00
9	9901	DieselExhP	2.30E-05	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-06	0.00E+00
10	9901	DieselExhP	1.65E-06	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-07	0.00E+00
				SUM	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	0.00E+00
				MAX	1.73E-03							

HARP2 - HRACalc (dated 22118) 5/23/2023 12:55:40 PM - Output Log

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

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

****
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: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors

Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: FAH changed|
Calculating cancer risk
Cancer risk saved to: C:\!AERMOD\!HARP_Output\IRWOP\MEIR_CancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\!AERMOD\!HARP_Output\IRWOP\MEIR_NCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\!AERMOD\!HARP_Output\IRWOP\MEIR_NCAcuteRisk.csv
HRA ran successfully

Table F2 - Option 1
MER Concentration Worksheet
Youth Sports Park User

Source No.	Source	Contaminant	Weight Fraction	Emission Rates[1] **Annual Avg** (g/s)	AERMOD Output[2] **Annual Avg** ($\mu g/m^3$)	Annual Average MER Concentration ($\mu g/m^3$)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
Youth Sports Park - Maximum Exposed Receptor (MER)						
1	Trucks (on-site running)	DPM	1.0E+00	7.91E-05	3.371	2.67E-04
2	Truck/TRU Idling - Bldg 1	DPM	1.0E+00	7.23E-06	50.05	3.62E-04
3	Truck/TRU Idling - Bldg 2	DPM	1.0E+00	7.23E-06	399.6	2.89E-03
4	Truck/TRU Idling - Bldg 3	DPM	1.0E+00	7.23E-06	367.8	2.66E-03
5	Yard Emissions	DPM	1.0E+00	8.12E-03	3.918	3.18E-02
6	Arrowhead HWY, east	DPM	1.0E+00	2.29E-06	36.20	8.28E-05
7	Arrowhead HWY, west	DPM	1.0E+00	8.82E-07	2.452	2.16E-06
8	Live Oak Ave, site frontage	DPM	1.0E+00	3.34E-06	1.255	4.19E-06
9	Live Oak Ave, east	DPM	1.0E+00	3.02E-06	1.182	3.57E-06
10	Live Oak Ave, west	DPM	1.0E+00	3.21E-06	1.162	3.73E-06
Note: Maximum Exposed Receptor (MER) UTM: 410220.28, 3775328.17						For Cancer/Chronic Calculation

[1] Emission Rates, per source, from Source Emissions Inventories (Appendix A).

[2] AERMOD Output (Appendix B) at the maximum exposed receptor (MER) are based on unit emission rates for emission sources (1 g/s per source).

Table F3 - Option 1
Youth Sports Park - Maximum Exposed Receptor
Health Risk Calculations

	Source	MER	Weight	Contaminant			Dose (by age bin)	Carcinogenic Risks	**Chronic Hazards [3]**	
		Conc.	Fraction		URF	CPF	Youth Sports Park 2 < 9 years	Youth Sports Park 2 < 9 years	REL	RESP
	(a)	($\mu g/m^3$) (b)	(c)	(d)	($\mu g/m^3)^{-1}$ (e)	$(mg/kg/day)^{-1}$ (f)	(mg/kg-day) (g)	per million (i)	($\mu g/m^3$) (j)	(k)
Youth Sports Park - Maximum Exposed Receptor (MER)										
1	Trucks (on-site running)	2.67E-04	1.0E+00	DPM	3.0E-04	1.1E+00	1.53E-08	9.67E-03	5.0E+00	5.34E-05
2	Truck/TRU Idling - Bldg 1	3.62E-04					2.08E-08	1.31E-02		7.23E-05
3	Truck/TRU Idling - Bldg 2	2.89E-03					1.66E-07	1.05E-01		5.78E-04
4	Truck/TRU Idling - Bldg 3	2.66E-03					1.53E-07	9.63E-02		5.31E-04
5	Yard Emissions	3.18E-02					1.83E-06	1.15E+00		6.36E-03
6	Arrowhead HWY, east	8.28E-05					4.77E-09	3.00E-03		1.66E-05
7	Arrowhead HWY, west	2.16E-06					1.24E-10	7.84E-05		4.33E-07
8	Live Oak Ave, site frontage	4.19E-06					2.41E-10	1.52E-04		8.38E-07
9	Live Oak Ave, east	3.57E-06					2.05E-10	1.29E-04		7.13E-07
10	Live Oak Ave, west	3.73E-06					2.14E-10	1.35E-04		7.46E-07
							Total	**1.4**		**0.008**

		Youth Sports Park User
	OEHHA age bin	2 < 16 years
	exposure year(s)	2024 to 2027
Dose Exposure Factors:	exposure frequency (days/year)	180
	fraction of time at the park (4 hrs/day)[1]	0.167
	8-hour inhalation rate (L/kg-day) [2]	700
	inhalation absorption factor	1
	conversion factor (mg/µg; m^3/L)	1.0E-06
Risk Calculation Factors:	age sensitivity factor	3
	exposure duration (years)	14
	averaging time (years)	70
	per million	1.0E+06

1 Typical youth sport schedule consists of 1-2.5 hours/week for practice and games (ref). Conservatively, youth sport users assumed to be present at the park 4 hours per day over the 24-hour period modeled in AERMOD. Therefore, fraction of time at the park is 0.167 (4 hours of the 24-hour exposure period).

2 Inhalation rate taken as the 8-hour 95th percentile breathing rates multiplied by the mean METS distribution for walk/bike/jog of 5.8 to represent exercise at youth park (OEHHA, 2015). For ages 2 < 16, 120 L/kg-day x 5.8 = 700 L/kg-day.

3 Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

Table F4 - Option 2
MEIR Concentration Worksheet
Input into HARP2

Source No.	Source	Contaminant	Weight Fraction	Emission Rates[1] **Annual Avg** (g/s)	AERMOD Output[2] **Annual Avg** ($\mu g/m^3$)	Annual Average MER Concentration ($\mu g/m^3$)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
Maximum Exposed Individual Residential (MEIR)						
1	Trucks (on-site running)	DPM	1.0E+00	6.01E-05	0.937	5.63E-05
2	Truck/TRU Idling - Bldg 1	DPM	1.0E+00	9.47E-06	150.5	1.43E-03
3	Truck/TRU Idling - Bldg 2	DPM	1.0E+00	9.47E-06	12.49	1.18E-04
4	Yard Emissions	DPM	1.0E+00	5.67E-03	0.839	4.76E-03
5	Arrowhead HWY, east	DPM	1.0E+00	1.74E-06	1.113	1.94E-06
6	Arrowhead HWY, west	DPM	1.0E+00	6.71E-07	0.512	3.43E-07
7	Live Oak Ave, site frontage	DPM	1.0E+00	2.54E-06	1.172	2.97E-06
8	Live Oak Ave, east	DPM	1.0E+00	2.29E-06	7.611	1.74E-05
9	Live Oak Ave, west	DPM	1.0E+00	2.44E-06	0.515	1.26E-06
Note: Maximum Exposed Individual Residential (MEIR) UTM: 410507.56, 3774199.13						For Cancer/Chronic Calculation

[1] Emission Rates, per source, from Source Emissions Inventories (Appendix A).

[2] AERMOD Output (Appendix B) at the maximum exposed receptor (MER) are based on unit emission rates for emission sources (1 g/s per source).

*HARP - HRACalc v22118 5/23/2023 12:57:16 PM - Cancer Risk - Input File: C:\!AERMOD\!HARP_Output\IRWOP\MEIR_Op2_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RIS
1			9901	DieselExhP	5.65E-05	3.85E-08	30YrCancer	*	3.85E-08	0.00E+00	0.00E+00	0.00E+00
2			9901	DieselExhP	0.00143	9.75E-07	30YrCancer	*	9.75E-07	0.00E+00	0.00E+00	0.00E+00
3			9901	DieselExhP	0.000118	8.05E-08	30YrCancer	*	8.05E-08	0.00E+00	0.00E+00	0.00E+00
5			9901	DieselExhP	0.00476	3.25E-06	30YrCancer	*	3.25E-06	0.00E+00	0.00E+00	0.00E+00
6			9901	DieselExhP	1.94E-06	1.32E-09	30YrCancer	*	1.32E-09	0.00E+00	0.00E+00	0.00E+00
7			9901	DieselExhP	3.43E-07	2.34E-10	30YrCancer	*	2.34E-10	0.00E+00	0.00E+00	0.00E+00
8			9901	DieselExhP	2.97E-06	2.03E-09	30YrCancer	*	2.03E-09	0.00E+00	0.00E+00	0.00E+00
9			9901	DieselExhP	1.74E-05	1.19E-08	30YrCancer	*	1.19E-08	0.00E+00	0.00E+00	0.00E+00
10			9901	DieselExhP	1.26E-06	8.59E-10	30YrCancer	*	8.59E-10	0.00E+00	0.00E+00	0.00E+00

SUM 4.36E-06

4.4 per million

*HARP - HRACalc v22118 5/23/2023 12:57:16 PM - Chronic Risk - Input File: C:\!AERMOD\!HARP_Output\IRWOP\MEIR_Op2_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBRE\	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE\
1			9901	DieselExhP	5.65E-05	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2			9901	DieselExhP	0.00143	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3			9901	DieselExhP	0.000118	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5			9901	DieselExhP	0.00476	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6			9901	DieselExhP	1.94E-06	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7			9901	DieselExhP	3.43E-07	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8			9901	DieselExhP	2.97E-06	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9			9901	DieselExhP	1.74E-05	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10			9901	DieselExhP	1.26E-06	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						SUM	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
						MAX	1.28E-03					

HARP2 - HRACalc (dated 22118) 5/23/2023 12:57:16 PM - Output Log

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

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

****
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: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors

Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: FAH changed|
Calculating cancer risk
Cancer risk saved to: C:\!AERMOD\!HARP_Output\IRWOP\MEIR_Op2_CancerRisk.csv
Calculating chronic risk
Chronic risk saved to: C:\!AERMOD\!HARP_Output\IRWOP\MEIR_Op2_NCChronicRisk.csv
Calculating acute risk
Acute risk saved to: C:\!AERMOD\!HARP_Output\IRWOP\MEIR_Op2_NCAcuteRisk.csv
HRA ran successfully

Table F5 - Option 2
MER Concentration Worksheet
Youth Sports Park User

Source No.	Source	Contaminant	Weight Fraction	Emission Rates[1] **Annual Avg** (g/s)	AERMOD Output[2] **Annual Avg** ($\mu g/m^3$)	Annual Average MER Concentration ($\mu g/m^3$)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
Youth Sports Park - Maximum Exposed Receptor (MER)						
1	Trucks (on-site running)	DPM	1.0E+00	6.01E-05	3.902	2.35E-04
2	Truck/TRU Idling - Bldg 1	DPM	1.0E+00	9.47E-06	409.2	3.88E-03
3	Truck/TRU Idling - Bldg 2	DPM	1.0E+00	9.47E-06	367.8	3.48E-03
4	Yard Emissions	DPM	1.0E+00	5.67E-03	4.617	2.62E-02
5	Arrowhead HWY, east	DPM	1.0E+00	1.74E-06	36.20	6.29E-05
6	Arrowhead HWY, west	DPM	1.0E+00	6.71E-07	2.452	1.64E-06
7	Live Oak Ave, site frontage	DPM	1.0E+00	2.54E-06	1.255	3.18E-06
8	Live Oak Ave, east	DPM	1.0E+00	2.29E-06	1.182	2.71E-06
9	Live Oak Ave, west	DPM	1.0E+00	2.44E-06	1.162	2.83E-06
Note: Maximum Exposed Receptor (MER) UTM: 410220.28, 3775328.17						For Cancer/Chronic Calculation

[1] Emission Rates, per source, from Source Emissions Inventories (Appendix A).

[2] AERMOD Output (Appendix B) at the maximum exposed receptor (MER) are based on unit emission rates for emission sources (1 g/s per source).

Table F6 - Option 2
Youth Sports Park - Maximum Exposed Receptor
Health Risk Calculations

	Source	MER	Weight	Contaminant			Dose (by age bin)	Carcinogenic Risks	**Chronic Hazards [3]**	
		Conc.	Fraction		URF	CPF	Youth Sports Park 2 < 9 years	Youth Sports Park 2 < 9 years	REL	RESP
		($\mu g/m^3$)			$(\mu g/m^3)^{-1}$	$(mg/kg/day)^{-1}$	(mg/kg-day)	per million	($\mu g/m^3$)	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(i)	(j)	(k)
Youth Sports Park - Maximum Exposed Receptor (MER)										
1	Trucks (on-site running)	2.35E-04	1.0E+00	DPM	3.0E-04	1.1E+00	1.35E-08	8.51E-03	5.0E+00	4.69E-05
2	Truck/TRU Idling - Bldg 1	3.88E-03					2.23E-07	1.40E-01		7.75E-04
3	Truck/TRU Idling - Bldg 2	3.48E-03					2.00E-07	1.26E-01		6.97E-04
		0.00E+00					0.00E+00	0.00E+00		0.00E+00
4	Yard Emissions	2.62E-02					1.51E-06	9.50E-01		5.24E-03
5	Arrowhead HWY, east	6.29E-05					3.62E-09	2.28E-03		1.26E-05
6	Arrowhead HWY, west	1.64E-06					9.46E-11	5.96E-05		3.29E-07
7	Live Oak Ave, site frontage	3.18E-06					1.83E-10	1.15E-04		6.37E-07
8	Live Oak Ave, east	2.71E-06					1.56E-10	9.82E-05		5.42E-07
9	Live Oak Ave, west	2.83E-06					1.63E-10	1.03E-04		5.67E-07
							Total	**1.2**		**0.007**

		Youth Sports Park User
	OEHHA age bin	2 < 16 years
	exposure year(s)	2024 to 2027
Dose Exposure Factors:	exposure frequency (days/year)	180
	fraction of time at the park (4 hrs/day)[1]	0.167
	8-hour inhalation rate (L/kg-day) [2]	700
	inhalation absorption factor	1
	conversion factor (mg/µg; m^3/L)	1.0E-06
Risk Calculation Factors:	age sensitivity factor	3
	exposure duration (years)	14
	averaging time (years)	70
	per million	1.0E+06

1 Typical youth sport schedule consists of 1-2.5 hours/week for practice and games (ref). Conservatively, youth sport users assumed to be present at the park 4 hours per day over the 24-hour period modeled in AERMOD. Therefore, fraction of time at the park is 0.167 (4 hours of the 24-hour exposure period).

2 Inhalation rate taken as the 8-hour 95th percentile breathing rates multiplied by the mean METS distribution for walk/bike/jog of 5.8 to represent exercise at youth park (OEHHA, 2015). For ages 2 < 16, 120 L/kg-day x 5.8 = 700 L/kg-day.

3 Chronic Hazards for DPM using the chronic reference exposure level (REL) for the Respiratory Toxicological Endpoint.

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