

1. Construction Health Risk Assessment

1.1 INTRODUCTION

The proposed project would develop 16 detached single-family dwelling units in the City of San Jose, San Clara County, California. The project site consists of two parcels, the 1170 Roberts Avenue site and the 1190 Roberts Avenue site. The approximately 1.09-acre 1170 Roberts Avenue site is current vacant while the approximately 1.09-acre 1190 Roberts Avenue site is developed with structures. The project sites are bounded by Roberts Avenue to the west and surrounded by primarily residential properties. The two project sites are separated by a residential parcel that is south of the 1170 Roberts Avenue site and north of the 1190 Roberts Avenue site. The following provides the background methodology used for the construction health risk assessment (HRA) for the proposed project.

The latest version of the Bay Area Air Quality Management District (BAAQMD) CEQA Air Quality Guidelines requires projects to evaluate the impacts of construction activities on sensitive receptors (BAAQMD, 2022). Project construction is anticipated to take place starting in June 2026 and be completed March 2027 (approximately 467 workdays or 1.79 years). The nearest receptors to the project site include the surrounding single-family residences to the north, south and east and employees at the adjacent parcel to the east. Other receptors include students at the Robert F. Kennedy Elementary School (grades K-6) and Rocketship Mosaic Elementary (grades K-5). As a result, a site-specific construction HRA has been prepared for the proposed project. This HRA considers the health impact to nearby receptors (i.e., residents, workers, and students) from construction emissions at the project site, including diesel equipment exhaust (diesel particulate matter or DPM) and particulate matter less than 2.5 microns (PM_{2.5}).

1.2 METHODOLOGY AND SIGNIFICANCE THRESHOLDS

For this HRA, the BAAQMD significance thresholds were deemed to be appropriate and the thresholds that were used for this project are shown below:

- Excess cancer risk of more than 10 in a million
- Non-cancer hazard index (chronic or acute) greater than 1.0
- Incremental increase in average annual PM_{2.5} concentration of greater than 0.3 µg/m³

The methodology used in this HRA is consistent with the following BAAQMD and the Office of Environmental Health Hazard Assessment (OEHHA) guidance documents:

- BAAQMD, 2022. *California Environmental Quality Act (CEQA) Air Quality Guidelines*. April 2023.
- BAAQMD, 2016. *Planning Healthy Places*. May 2016.

- OEHHA. 2015. *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments*. February 2015.

Potential exposures to DPM and PM_{2.5} from proposed project construction were evaluated for off-site receptors in close proximity to the site. Pollutant concentrations were estimated using an air dispersion model, and excess lifetime cancer risks and chronic non-cancer hazard indexes were calculated. These risks were then compared to the significance thresholds adopted for this HRA.

It should be noted that these health impacts are based on conservative (i.e., health protective) assumptions. The United States Environmental Protection Agency (USEPA, 2005) and OEHHA 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 may not necessarily represent actual risks experienced by populations at or near a site. The use of conservative assumptions tends to produce upper-bound estimates of exposure and thus risk.

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

- It was assumed that maximum-exposed residential receptors (both children and adults) stood outdoors and are subject to DPM at their residence for 8 hours per day, and approximately 260 construction days per year. In reality, California residents typically will spend on average 2 hours per day outdoors at their residences (USEPA, 2011), so actual exposures and risks would be significantly lower than those calculated in this HRA.
- The calculated risk for infants from third trimester to age 2 is multiplied by a factor of 10 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA, 2015).

For workers, the following conservative assumptions were used:

- It was assumed that maximum exposed worker receptors stood outside and are subject to DPM for 8 hours per weekday and approximately 260 construction days per year.

For students, the following conservative assumptions were used:

- It was assumed that maximum exposed student receptors at each school stood outside and are subject to DPM for 8 hours per weekday and approximately 180 construction days per year.
- The calculated risk for students from age 2 to 9 is multiplied by a factor of 3 to account for early life exposure and uncertainty in child versus adult exposure impacts (OEHHA, 2015).

1.3 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. DPM emissions were based on the CalEEMod construction runs, using annual exhaust PM₁₀ construction emissions presented in pounds (lbs) per day. The PM_{2.5} emissions were taken from the CalEEMod output for total PM_{2.5} also presented in lbs per day (exhaust and fugitive dust).

The project was assumed to take place over approximately 21 months (467 workdays) from June 2025 to March 2027. 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 in that particular calendar year (i.e., 2025, 2026, and 2027). The off-site hauling emission rates were adjusted to evaluate localized emissions from the 0.38-mile haul route within 1,000 feet of the project site. The CalEEMod construction emissions output and emission rate calculations are provided in Appendix A of the HRA.

1.4 DISPERSION MODELING

Air quality modeling was performed using the AERMOD atmospheric dispersion model to assess the impact of emitted compounds on sensitive receptors near the project. The model is a steady state Gaussian plume model and is an approved model by BAAQMD 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 poly-area sources. The off-site mobile sources were modeled as adjacent line volume sources. The model requires additional input parameters, including chemical emission data and local meteorology. Inputs for the construction emission rates are those described in Section 1.3. Meteorological data obtained from the BAAQMD for the nearest representative meteorological station (San Jose Airport) with the five latest available years (2013 through 2017) of record were used to represent local weather conditions and prevailing winds (BAAQMD, 2024).

The modeling analysis also considered the spatial distribution and elevation of each emitting source in relation to the sensitive receptors. To accommodate the model's Cartesian grid format, direction-dependent calculations were obtained by identifying the Universal Transverse Mercator (UTM) coordinates for each source location. In addition, digital elevation model (DEM) data for the area were obtained and included in the model runs to account for complex terrain. An emission release height of 4.15 meters was used as representative of the stack exhaust height for off-road construction equipment and diesel truck traffic (CARB, 2000). A ground-level release height was used to represent fugitive dust emissions from off-road equipment and haul trucks.

To determine contaminant impacts during construction hours, the model's Season-Hour-Day (HRDOW) scalar option was invoked to predict flagpole-level concentrations (1.5 m for ground floor receptors) for construction emissions generated between the hours of 7:00 AM and 4:00 PM with a 1-hour lunch break.

A unit emission rate of 1 gram per second was used for all modeling runs. The unit emission rates were proportioned over the poly-area sources for on-site construction emissions and divided between the volume sources for off-site hauling emissions. The maximum modeled concentrations from the output files were then multiplied by the emission rates calculated in Appendix A to obtain the maximum flagpole-level concentrations at the off-site maximum exposed individual receptor (MEIR) and maximum exposed individual worker (MEIW) in addition to students at each school campus. The air dispersion modeling predicted the off-site MEIR is the single-family residence between the two project sites.¹ The predicted MEIW is the Chùa Tân Long - Tân Long Temple northeast adjacent to the 1190 Roberts Avenue site.

¹ The MEIR or MEIW location is the receptor location associated with the maximum predicted AERMOD concentrations from off-road equipment (i.e., on-site emissions). The calculated on-site emission rates are approximately 3 to 4 orders of magnitude higher

The receptor locations are presented in Figure 1. The air dispersion model output is presented in Appendix B. The DPM and PM_{2.5} concentrations at the MEIR and MEIW in addition to the two schools are provided in Appendix C.

1.5 RISK CHARACTERIZATION

1.5.1 Carcinogenic Chemical Risk

A threshold of ten in a million (10×10^{-6}) has been established as a level posing no significant risk for exposures to carcinogens. 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 ($\mu\text{g}/\text{m}^3$) 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 (ASFs) 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 ($\text{mg}/\text{kg}/\text{day}$)⁻¹ to derive the cancer risk estimate. Therefore, to accommodate the unique exposures associated with the sensitive receptors, the following dose algorithm was used.

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

Where:

Dose _{AIR}	=	dose by inhalation (mg/kg-day), per age group
C _{air}	=	concentration of contaminant in air ($\mu\text{g}/\text{m}^3$)
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 (1×10^{-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).

For construction analysis, the exposure duration spans the length of construction (e.g., 467 workdays, approximately 1.79 years). As the length of construction is shorter than 2.25 years, the third trimester and 0-2

than the calculated off-site (hauling) emission rates (see Appendix A). Therefore, the maximum concentrations associated with the on-site emission sources produce the highest overall ground-level MEIR concentrations and, consequently, highest calculated health risks.



Source: Nearmap 2024.

Figure 1
Project Sources and Off-Site Receptor Locations

age bins apply to the construction analysis for the off-site residential receptors. For residential receptors, the 95th percentile daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASFs), and fraction of time at home (FAH) for the various age groups are provided herein:

<u>Age Groups</u>	<u>BR/BW (L/kg-day)</u>	<u>ED</u>	<u>ASF</u>	<u>FAH</u>
Third trimester	361	0.25	10	0.85
0-2 age group	1,090	1.54	10	0.85

For worker receptors, the 16-70 age bin was applied for off-site worker receptors. The 95th percentile daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASFs), and fraction of time at home (FAH) for the 16-70 age bin are provided herein:

<u>Age Groups</u>	<u>BR/BW (L/kg-day)</u>	<u>ED</u>	<u>ASF</u>	<u>FAH</u>
16-70 age group	230	1.79	1	n/a

For student receptors, the 2-9 age bin was applied for off-site student receptors at both school campuses. The 95th percentile daily breathing rates (BR/BW), exposure duration (ED), age sensitivity factors (ASFs), and fraction of time at home (FAH) for the 2-9 age bin are provided herein:

<u>Age Groups</u>	<u>BR/BW (L/kg-day)</u>	<u>ED</u>	<u>ASF</u>	<u>FAH</u>
2-9 age group	640	1.79	3	n/a

To calculate the overall cancer risk, the risk for each appropriate age group is calculated per the following equation:

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

Where:

Dose _{AIR}	=	dose by inhalation (mg/kg-day), per age group
CPF	=	cancer potency factor, chemical-specific (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 (70 years)

The CPFs used in the assessment were obtained from OEHHA guidance. The excess lifetime cancer risks during the construction period to the maximally exposed resident were calculated based on the factors provided above. The cancer risks for each age group are summed to estimate the total cancer risk for each toxic chemical species. 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). The calculated results are provided in Appendix C.

1.5.2 Non-Carcinogenic Hazards

An evaluation was also conducted of the potential non-cancer effects of chronic chemical exposures. Adverse health effects are evaluated by comparing the annual receptor level (flagpole) concentration of each chemical compound with the appropriate reference exposure limit (REL). Available RELs promulgated by OEHHA were considered in the assessment.

The hazard index approach was used to quantify non-carcinogenic impacts. The hazard index assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint). Target organs presented in regulatory guidance were used for each discrete chemical exposure. To calculate the hazard index, each chemical concentration or dose is divided by the appropriate toxicity value. This ratio is summed for compounds affecting the same toxicological endpoint. A health hazard is presumed to exist where the total equals or exceeds one.

The chronic hazard analysis for DPM is provided in Appendix C. The calculations contain the relevant exposure concentrations and corresponding reference dose values used in the evaluation of non-carcinogenic exposures.

1.5.3 Criteria Pollutants

The BAAQMD has recently incorporated PM_{2.5} into the District’s CEQA significance thresholds due to recent studies that show adverse health impacts from exposure to this pollutant. An incremental increase of greater than 0.3 µg/m³ for the annual average PM_{2.5} concentration is considered to be a significant impact.

1.6 CONSTRUCTION HRA RESULTS

The calculated results are provided in Appendix C and the results are summarized in Table 1.

TABLE 1. CONSTRUCTION RISK SUMMARY - UNMITIGATED

Receptor	Cancer Risk (per million)	Chronic Hazards	PM _{2.5} (µg/m ³)
Maximum Exposed Individual Resident (MEIR)	35.27	0.11	0.74
Maximum Exposed Individual Worker (MEIW)	0.38	0.06	0.34
Maximum Exposed Individual Student (MEIS) – Robert F. Kennedy Elementary School	0.10	<0.01	0.01
Maximum Exposed Individual Student (MEIS) – Rocketship Mosaic Elementary	0.05	<0.01	<0.01
BAAQMD Threshold	10	1.0	0.30
Exceeds Threshold?	Yes	No	Yes

Note: Cancer risk calculated using 2015 OEHHA HRA guidance.

Cancer risk for the MEIR from project-related construction emissions was calculated to be 35.27 in a million, which would exceed the 10 in a million significance threshold. In accordance with the latest 2015 OEHHA guidance, the calculated total cancer risk conservatively assumes that the risk for the MEIR consists of a pregnant woman in the third trimester that subsequently gives birth to an infant during the approximately 1.79-year construction period; therefore, calculated risk values for the 1.79 years were multiplied by a factor of 10. In addition, it was conservatively assumed that the residents were outdoors 8 hours a day and exposed to all of the daily construction emissions.

Cancer risk for the maximum exposed individual worker (MEIW), which would be the workers at the building in the adjacent lot southeast of the project site, from unmitigated construction activities related to the project were calculated to be 0.38 in a million and would not exceed the 10 in a million significance threshold. Additionally, cancer risk for maximum exposed individual student at Robert F. Kennedy Elementary School and Rocketship Mosaic Elementary were calculated at 0.10 in a million and 0.05 in a million, respectively, and would not exceed the 10 in a million significance threshold.

For non-carcinogenic effects, the chronic hazard index identified for each toxicological endpoint totaled less than one for both the MEIR and the MEIW in addition to the MEIS at each school campus. Therefore, chronic non-carcinogenic hazards are less than significant. The highest PM_{2.5} annual concentration of 0.74 µg/m³ at the MEIR would exceed the 0.3 µg/m³ significance threshold. Similarly, the highest PM_{2.5} annual concentration of 0.34 µg/m³ at the MEIW would exceed the 0.3 µg/m³ significance threshold. The highest PM_{2.5} annual concentrations the school campuses would not exceed the 0.3 µg/m³ significance threshold.

Because cancer risk at the MEIR and the PM_{2.5} concentrations at the MEIR and MEIW would exceed BAAQMD significance thresholds due to construction activities associated with the proposed project, the following mitigation measure is proposed:

Mitigation Measure AQ-1: Prior to the issuance of any tree removal, demolition or grading permits, the construction contractor(s) for the proposed project shall provide documentation to the City's satisfaction that all off-road equipment greater than 50 horsepower to be used during construction shall meet United States Environmental Protection Agency Tier 4 Final emission standards equipment, unless it can be demonstrated to the City that such equipment is not commercially available. For purposes of this mitigation measure, "commercially available" shall mean the availability of Tier 4 Final engines similar to the availability for other large-scale construction projects in the city occurring at the same time and taking into consideration factors such as (i) potential significant delays to critical-path timing of construction and (ii) geographic proximity to the project site of Tier 4 Final equipment. Where such equipment is not commercially available, as demonstrated by the construction contractor, Tier 4 Interim equipment or Tier 3 equipment retrofitted with a California Air Resources Board's Level 3 Verified Diesel Emissions Control Strategy (VDECS) shall be used. Furthermore, all off-road equipment of 50 horsepower or less, if used, shall be fitted with a Level 3 diesel particulate filter. The requirements outlined in this mitigation measure shall be identified in a Construction Management Plan and included in construction bids.

Mitigation Measure AQ-2: During construction, the construction contractor shall maintain a list of all operating equipment in use on the construction site for verification by the City of San José. The

construction equipment list shall state the makes, models, Equipment Identification Numbers, Engine Family Numbers, and number of construction equipment on-site.

Mitigation Measure AQ-3: During construction, the construction contractor(s) shall conduct the following actions, which shall be noted on all construction management plans:

- All exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) shall be watered three (3) times per day.
- All active demolition sites/areas shall be watered at least two (2) times per day.

Mitigation Measures AQ-1 through AQ-3 would reduce the project’s localized construction emissions, as shown in Table 2. The results indicate that, with mitigation, cancer risk would be less than the BAAQMD’s significance thresholds at the MEIR and PM_{2.5} concentrations would be less than 0.3 µg/m³ at the MEIW. 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 with implementation of mitigation measure AQ-3.

TABLE 2 CONSTRUCTION RISK SUMMARY – MITIGATED

Receptor	Cancer Risk (per million)	Chronic Hazards	PM _{2.5} (µg/m ³) ^a
Maximum Exposed Individual Resident (MEIR)	4.53	0.01	0.24
Maximum Exposed Individual Worker (MEIW)	0.05	0.01	0.11
Maximum Exposed Individual Student (MEIS) – Robert F. Kennedy Elementary School	0.01	<0.01	<0.01
Maximum Exposed Individual Student (MEIS) – Rocketship Mosaic Elementary	<0.01	<0.01	<0.01
BAAQMD Threshold	10	1.0	0.3
Exceeds Threshold?	No	No	No

Modeling includes Mitigation Measures AQ-1 through AQ-3, which requires use of Tier 4 Final equipment for all diesel-powered off-road greater than 50 HP; use of off-road equipment of 50 HP or less fitted with Level 3 DPFs; watering exposed surfaces three times per day; and watering demolition sites two times per day.

Note: Cancer risk calculated using 2015 OEHHA HRA guidance.

2. References

- Bay Area Air Quality Management District (BAAQMD). 2024, November 18 (accessed). AERMOD-Ready Meteorological Data Sets for 35 Sites in the Bay Area. <https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/ceqa-tools/ceqa-modeling-data>.
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- California Air Pollution Control Officers Association (CAPCOA). 2022. California Emissions Estimator Model (CalEEMod). Version 2022.1. Prepared by: ICF in collaboration with Sacramento Metropolitan Air Quality Management District.
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- Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Guidance Manual for the Preparation of Health Risk Assessments*. Dated February 2015.
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Appendix A. Emission Rate Calculations

**Construction Emissions - DPM and PM2.5
Input to Risk Tables**

Average Daily Emissions and Emission Rates: Unmitigated Scenario

Onsite Construction PM10 Exhaust Emissions ¹			
Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)
2025	0.34	4.19E-02	5.28E-03
2026	0.17	2.14E-02	2.69E-03
2027	0.21	2.63E-02	3.31E-03
		0.00E+00	0.00E+00

Onsite Construction PM2.5 Emissions ²			
Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)
2025	0.59	7.42E-02	9.35E-03
2026	0.16	1.97E-02	2.48E-03
2027	0.19	2.42E-02	3.04E-03
		0.00E+00	0.00E+00

Offsite Construction PM10 Exhaust Emissions ¹				
Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000ft (lbs/day) ³	Emission Rate (lbs/hr)	Emission Rate (g/s)
2025	0.0067	1.26E-04	1.57E-05	1.98E-06
2026	0.0006	1.19E-05	1.49E-06	1.87E-07
2027	0.0005	9.38E-06	1.17E-06	1.48E-07
		0.00E+00	0.00E+00	0.00E+00

Offsite Construction PM2.5 Emissions ²				
Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000ft (lbs/day) ³	Emission Rate (lbs/hr)	Emission Rate (g/s)
2025	0.19	3.52E-03	4.40E-04	5.55E-05
2026	0.06	1.15E-03	1.44E-04	1.82E-05
2027	0.0945	1.77E-03	2.22E-04	2.79E-05
		0.00E+00	0.00E+00	0.00E+00

Note: Emissions evenly distributed over 22 modeled volume sources.

	Year	Workdays	Risk Scalar ⁵
Hauling Length (miles)	20	miles	2025 153 0.59
Haul Length within 1,000 ft of Site (mile) ³	0.38	miles	2026 261 1.00
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks) ⁴	8	hours	2027 53 0.20
	Total	467	1.79

¹ DPM emissions taken as PM₁₀ average daily exhaust emissions, which are based on CalEEMod annual emissions (tons per year) divided by the number of construction workdays in a given year.

² PM_{2.5} emissions taken as PM_{2.5} exhaust + fugitive dust emissions from CalEEMod annual emissions (tons per year) divided by the number of construction workdays in the given year.

³ Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances, are adjusted to evaluate emissions from the 0.38-mile route within 1,000 of the project site.

⁴ Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App B - Air Dispersion Model Output).

⁵ Risk scalars determined for each year of construction to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

Construction Emissions - DPM and PM2.5

Input to Risk Tables

With Mitigation - Tier 4 Final Engines for Eq. > 50 hp; Level 3 Diesel Particulate Filter for Eq. > 50 hp; Watering 3x Daily;

Watering 2x Daily for Demolition Site

Average Daily Emissions and Emission Rates: Mitigated Scenario

Onsite Construction PM10 Exhaust Emissions ¹			
Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)
2025	0.04	4.65E-03	5.86E-04
2026	0.02	2.89E-03	3.64E-04
2027	0.03	4.19E-03	5.29E-04

Onsite Construction PM2.5 Emissions ²			
Year	Average Daily Emissions (lbs/day)	Average Daily Emissions (lbs/hr)	Emission Rate (g/s)
2025	0.19	2.37E-02	2.98E-03
2026	0.02	2.78E-03	3.51E-04
2027	0.03	4.02E-03	5.07E-04

Offsite Construction PM10 Exhaust Emissions ¹				
Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000ft (lbs/day) ³	Emission Rate (lbs/hr)	Emission Rate (g/s)
2025	0.0067	1.26E-04	1.57E-05	1.98E-06
2026	0.0006	1.19E-05	1.49E-06	1.87E-07
2027	0.0005	9.38E-06	1.17E-06	1.48E-07

Offsite Construction PM2.5 Emissions ²				
Year	Average Daily Emissions (lbs/day)	Hauling Emissions w/in 1,000ft (lbs/day) ³	Emission Rate (lbs/hr)	Emission Rate (g/s)
2025	0.19	3.52E-03	4.40E-04	5.55E-05
2026	0.06	1.15E-03	1.44E-04	1.82E-05
2027	0.0945	1.77E-03	2.22E-04	2.79E-05

Note: Emissions evenly distributed over 22 modeled volume sources.

	Year	Workdays	Risk Scalar ⁵
Hauling Length (miles)	20	miles	2025: 153, 0.59
Haul Length within 1,000 ft of Site (mile) ³	0.38	miles	2026: 261, 1.00
Hours per work day (7:00 AM to 4:00 PM, 1-hour of breaks) ⁴	8	hours	2027: 53, 0.20
	Total	467	1.79

¹ DPM emissions taken as PM₁₀ average daily exhaust emissions, which are based on CalEEMod annual emissions (tons per year) divided by the number of construction workdays in a given year.

² PM_{2.5} emissions taken as PM_{2.5} exhaust + fugitive dust emissions from CalEEMod annual emissions (tons per year) divided by the number of construction workdays in the given year.

³ Emissions from CalEEMod offsite average daily emissions, which is based on proportioned haul truck trip distances, are adjusted to evaluate emissions from the 0.38-mile route within 1,000 of the project site.

⁴ Work hours applied in By Hour/Day (HRDOW) variable emissions module in air dispersion model (see App B - Air Dispersion Model Output).

⁵ Risk scalars determined for each year of construction to adjust receptor exposures to the exposure durations for each construction year (see App C - Risk Calculations).

Appendix B. Air Dispersion Model Output

Residential Receptors

*** AERMOD - VERSION 23132 *** *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc *** 11/17/24
*** AERMET - VERSION 18081 *** *** *** *** 19:36:26
*** *** *** *** *** *** *** *** PAGE 1

*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Allows User-Specified 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.
- * Allow FLAT/ELEV Terrain Option by Source,
 with 0 FLAT and 46 ELEV Source(s).
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 46 Source(s),
 for Total of 1 Urban Area(s):
Urban Population = 1936259.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: OTHER

**Model Calculates PERIOD Averages Only

**This Run Includes: 46 Source(s); 4 Source Group(s); and 1591 Receptor(s)

 with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 44 VOLUME source(s)
 and: 2 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: 18081

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 15.50 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.9 MB of RAM.

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

**Detailed Error/Message File: PANC01.err
**File for Summary of Results: PANC01.sum

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*** MODELOPTs: NonDEFAULT CONC FLAT and 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	AIRCRAFT
L0000001	0	0.45455E-01	601272.3	4131679.2	34.5	4.15	13.02	3.26	YES	HRDOW	NO
L0000002	0	0.45455E-01	601254.6	4131700.9	34.5	4.15	13.02	3.26	YES	HRDOW	NO
L0000003	0	0.45455E-01	601237.0	4131722.7	34.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000004	0	0.45455E-01	601219.3	4131744.4	34.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000005	0	0.45455E-01	601201.7	4131766.2	34.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000006	0	0.45455E-01	601184.0	4131787.9	34.1	4.15	13.02	3.26	YES	HRDOW	NO
L0000007	0	0.45455E-01	601166.4	4131809.6	33.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000008	0	0.45455E-01	601148.7	4131831.4	33.7	4.15	13.02	3.26	YES	HRDOW	NO
L0000009	0	0.45455E-01	601131.1	4131853.1	33.8	4.15	13.02	3.26	YES	HRDOW	NO
L0000010	0	0.45455E-01	601113.4	4131874.9	33.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000011	0	0.45455E-01	601095.8	4131896.6	34.1	4.15	13.02	3.26	YES	HRDOW	NO
L0000012	0	0.45455E-01	601078.1	4131918.3	34.1	4.15	13.02	3.26	YES	HRDOW	NO
L0000013	0	0.45455E-01	601060.5	4131940.1	33.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000014	0	0.45455E-01	601046.9	4131961.5	33.7	4.15	13.02	3.26	YES	HRDOW	NO
L0000015	0	0.45455E-01	601067.9	4131979.9	33.5	4.15	13.02	3.26	YES	HRDOW	NO
L0000016	0	0.45455E-01	601089.0	4131998.4	33.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000017	0	0.45455E-01	601110.1	4132016.8	33.2	4.15	13.02	3.26	YES	HRDOW	NO
L0000018	0	0.45455E-01	601131.1	4132035.3	33.2	4.15	13.02	3.26	YES	HRDOW	NO
L0000019	0	0.45455E-01	601152.2	4132053.7	33.0	4.15	13.02	3.26	YES	HRDOW	NO
L0000020	0	0.45455E-01	601173.2	4132072.2	32.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000021	0	0.45455E-01	601194.3	4132090.7	32.7	4.15	13.02	3.26	YES	HRDOW	NO
L0000022	0	0.45455E-01	601215.3	4132109.1	32.6	4.15	13.02	3.26	YES	HRDOW	NO
L0000023	0	0.45455E-01	601272.3	4131679.2	34.5	0.00	13.02	3.26	YES	HRDOW	NO
L0000024	0	0.45455E-01	601254.6	4131700.9	34.5	0.00	13.02	3.26	YES	HRDOW	NO
L0000025	0	0.45455E-01	601237.0	4131722.7	34.4	0.00	13.02	3.26	YES	HRDOW	NO
L0000026	0	0.45455E-01	601219.3	4131744.4	34.4	0.00	13.02	3.26	YES	HRDOW	NO
L0000027	0	0.45455E-01	601201.7	4131766.2	34.4	0.00	13.02	3.26	YES	HRDOW	NO
L0000028	0	0.45455E-01	601184.0	4131787.9	34.1	0.00	13.02	3.26	YES	HRDOW	NO
L0000029	0	0.45455E-01	601166.4	4131809.6	33.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000030	0	0.45455E-01	601148.7	4131831.4	33.7	0.00	13.02	3.26	YES	HRDOW	NO
L0000031	0	0.45455E-01	601131.1	4131853.1	33.8	0.00	13.02	3.26	YES	HRDOW	NO
L0000032	0	0.45455E-01	601113.4	4131874.9	33.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000033	0	0.45455E-01	601095.8	4131896.6	34.1	0.00	13.02	3.26	YES	HRDOW	NO
L0000034	0	0.45455E-01	601078.1	4131918.3	34.1	0.00	13.02	3.26	YES	HRDOW	NO
L0000035	0	0.45455E-01	601060.5	4131940.1	33.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000036	0	0.45455E-01	601046.9	4131961.5	33.7	0.00	13.02	3.26	YES	HRDOW	NO
L0000037	0	0.45455E-01	601067.9	4131979.9	33.5	0.00	13.02	3.26	YES	HRDOW	NO
L0000038	0	0.45455E-01	601089.0	4131998.4	33.4	0.00	13.02	3.26	YES	HRDOW	NO

L0000039	0	0.45455E-01	601110.1	4132016.8	33.2	0.00	13.02	3.26	YES	HRDOW	NO
L0000040	0	0.45455E-01	601131.1	4132035.3	33.2	0.00	13.02	3.26	YES	HRDOW	NO

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*** MODELOPTs: NonDEFAULT CONC FLAT and 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	AIRCRAFT
L0000041	0	0.45455E-01	601152.2	4132053.7	33.0	0.00	13.02	3.26	YES	HRDOW	NO
L0000042	0	0.45455E-01	601173.2	4132072.2	32.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000043	0	0.45455E-01	601194.3	4132090.7	32.7	0.00	13.02	3.26	YES	HRDOW	NO
L0000044	0	0.45455E-01	601215.3	4132109.1	32.6	0.00	13.02	3.26	YES	HRDOW	NO

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X Y (METERS) (METERS)		BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
PAREA1	0	0.11704E-03	601315.9	4131808.7	33.5	4.15	8	1.93	YES	HRDOW	NO
ONSITEPM2.5	0	0.11704E-03	601315.9	4131808.7	33.5	0.00	8	0.00	YES	HRDOW	NO

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
HAULPM2.	L0000023	,	L0000024	,	L0000025	,	L0000026	,	L0000027	,	L0000028	,	L0000029	,	L0000030	,
	L0000031	,	L0000032	,	L0000033	,	L0000034	,	L0000035	,	L0000036	,	L0000037	,	L0000038	,
	L0000039	,	L0000040	,	L0000041	,	L0000042	,	L0000043	,	L0000044	,				
ONSITEPM	ONSITEPM2.5	,														
PAREA1	PAREA1	,														
SLINE1	L0000001	,	L0000002	,	L0000003	,	L0000004	,	L0000005	,	L0000006	,	L0000007	,	L0000008	,
	L0000009	,	L0000010	,	L0000011	,	L0000012	,	L0000013	,	L0000014	,	L0000015	,	L0000016	,
	L0000017	,	L0000018	,	L0000019	,	L0000020	,	L0000021	,	L0000022	,				

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*** MODELOPTs:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*

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

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URBAN ID	URBAN POP	SOURCE IDs
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L0000008	1936259.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 ,
	,	
	L0000009	, L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 ,
	L0000017	, L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , PAREA1 , L0000023 ,
	L0000024	, L0000025 , L0000026 , L0000027 , L0000028 , L0000029 , L0000030 , L0000031 ,
	L0000032	, L0000033 , L0000034 , L0000035 , L0000036 , L0000037 , L0000038 , L0000039 ,
	L0000040	, L0000041 , L0000042 , L0000043 , L0000044 , ONSITEPM2.5 ,

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = L0000001 ; 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

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = ONSITEPM2.5 ; 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										

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601470.7, 4131438.5,	32.7,	32.7,	1.5);	(601480.7, 4131438.5,	32.8,	32.8,	1.5);
(601490.7, 4131438.5,	32.9,	32.9,	1.5);	(601470.7, 4131448.5,	32.8,	32.8,	1.5);
(601480.7, 4131448.5,	32.8,	32.8,	1.5);	(601490.7, 4131448.5,	32.9,	32.9,	1.5);
(601460.7, 4131458.5,	32.8,	32.8,	1.5);	(601470.7, 4131458.5,	32.9,	32.9,	1.5);
(601480.7, 4131458.5,	32.9,	32.9,	1.5);	(601490.7, 4131458.5,	32.9,	32.9,	1.5);
(601500.7, 4131458.5,	33.0,	33.0,	1.5);	(601510.7, 4131458.5,	33.0,	33.0,	1.5);
(601450.7, 4131468.5,	32.9,	32.9,	1.5);	(601460.7, 4131468.5,	32.9,	32.9,	1.5);
(601470.7, 4131468.5,	32.9,	32.9,	1.5);	(601480.7, 4131468.5,	32.9,	32.9,	1.5);
(601490.7, 4131468.5,	32.9,	32.9,	1.5);	(601500.7, 4131468.5,	33.0,	33.0,	1.5);
(601510.7, 4131468.5,	33.1,	33.1,	1.5);	(601520.7, 4131468.5,	33.2,	33.2,	1.5);
(601530.7, 4131468.5,	33.2,	33.2,	1.5);	(601450.7, 4131478.5,	33.0,	33.0,	1.5);
(601460.7, 4131478.5,	33.0,	33.0,	1.5);	(601470.7, 4131478.5,	33.0,	33.0,	1.5);
(601480.7, 4131478.5,	33.0,	33.0,	1.5);	(601490.7, 4131478.5,	33.0,	33.0,	1.5);
(601500.7, 4131478.5,	33.1,	33.1,	1.5);	(601510.7, 4131478.5,	33.1,	33.1,	1.5);
(601520.7, 4131478.5,	33.2,	33.2,	1.5);	(601530.7, 4131478.5,	33.2,	33.2,	1.5);
(601540.7, 4131478.5,	33.2,	33.2,	1.5);	(601470.7, 4131488.5,	33.1,	33.1,	1.5);
(601480.7, 4131488.5,	33.1,	33.1,	1.5);	(601490.7, 4131488.5,	33.1,	33.1,	1.5);
(601500.7, 4131488.5,	33.2,	33.2,	1.5);	(601510.7, 4131488.5,	33.2,	33.2,	1.5);
(601520.7, 4131488.5,	33.2,	33.2,	1.5);	(601530.7, 4131488.5,	33.2,	33.2,	1.5);
(601540.7, 4131488.5,	33.2,	33.2,	1.5);	(601550.7, 4131488.5,	33.2,	33.2,	1.5);
(601560.7, 4131488.5,	33.2,	33.2,	1.5);	(601480.7, 4131498.5,	33.2,	33.2,	1.5);
(601490.7, 4131498.5,	33.2,	33.2,	1.5);	(601500.7, 4131498.5,	33.2,	33.2,	1.5);
(601510.7, 4131498.5,	33.2,	33.2,	1.5);	(601520.7, 4131498.5,	33.2,	33.2,	1.5);
(601530.7, 4131498.5,	33.2,	33.2,	1.5);	(601540.7, 4131498.5,	33.2,	33.2,	1.5);
(601550.7, 4131498.5,	33.2,	33.2,	1.5);	(601560.7, 4131498.5,	33.2,	33.2,	1.5);
(601570.7, 4131498.5,	33.2,	33.2,	1.5);	(601430.7, 4131508.5,	33.2,	33.2,	1.5);
(601440.7, 4131508.5,	33.2,	33.2,	1.5);	(601450.7, 4131508.5,	33.3,	33.3,	1.5);
(601490.7, 4131508.5,	33.3,	33.3,	1.5);	(601500.7, 4131508.5,	33.3,	33.3,	1.5);
(601510.7, 4131508.5,	33.3,	33.3,	1.5);	(601520.7, 4131508.5,	33.3,	33.3,	1.5);
(601530.7, 4131508.5,	33.3,	33.3,	1.5);	(601540.7, 4131508.5,	33.3,	33.3,	1.5);
(601550.7, 4131508.5,	33.3,	33.3,	1.5);	(601560.7, 4131508.5,	33.3,	33.3,	1.5);
(601570.7, 4131508.5,	33.3,	33.3,	1.5);	(601580.7, 4131508.5,	33.3,	33.3,	1.5);
(601590.7, 4131508.5,	33.3,	33.3,	1.5);	(601420.7, 4131518.5,	33.4,	33.4,	1.5);
(601430.7, 4131518.5,	33.4,	33.4,	1.5);	(601440.7, 4131518.5,	33.4,	33.4,	1.5);
(601450.7, 4131518.5,	33.4,	33.4,	1.5);	(601460.7, 4131518.5,	33.4,	33.4,	1.5);
(601470.7, 4131518.5,	33.4,	33.4,	1.5);	(601500.7, 4131518.5,	33.4,	33.4,	1.5);
(601510.7, 4131518.5,	33.4,	33.4,	1.5);	(601520.7, 4131518.5,	33.4,	33.4,	1.5);
(601530.7, 4131518.5,	33.4,	33.4,	1.5);	(601540.7, 4131518.5,	33.4,	33.4,	1.5);
(601550.7, 4131518.5,	33.4,	33.4,	1.5);	(601560.7, 4131518.5,	33.4,	33.4,	1.5);
(601570.7, 4131518.5,	33.4,	33.4,	1.5);	(601580.7, 4131518.5,	33.4,	33.4,	1.5);
(601590.7, 4131518.5,	33.4,	33.4,	1.5);	(601600.7, 4131518.5,	33.4,	33.4,	1.5);
(601420.7, 4131528.5,	33.5,	33.5,	1.5);	(601430.7, 4131528.5,	33.5,	33.5,	1.5);

(601440.7, 4131528.5,	33.5,	33.5,	1.5);	(601450.7, 4131528.5,	33.5,	33.5,	1.5);
(601460.7, 4131528.5,	33.5,	33.5,	1.5);	(601470.7, 4131528.5,	33.5,	33.5,	1.5);
(601480.7, 4131528.5,	33.5,	33.5,	1.5);	(601520.7, 4131528.5,	33.5,	33.5,	1.5);

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*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601530.7, 4131528.5,	33.5,	33.5,	1.5);	(601540.7, 4131528.5,	33.5,	33.5,	1.5);
(601550.7, 4131528.5,	33.5,	33.5,	1.5);	(601560.7, 4131528.5,	33.5,	33.5,	1.5);
(601570.7, 4131528.5,	33.5,	33.5,	1.5);	(601580.7, 4131528.5,	33.5,	33.5,	1.5);
(601590.7, 4131528.5,	33.5,	33.5,	1.5);	(601600.7, 4131528.5,	33.5,	33.5,	1.5);
(601610.7, 4131528.5,	33.5,	33.5,	1.5);	(601410.7, 4131538.5,	33.6,	33.6,	1.5);
(601420.7, 4131538.5,	33.6,	33.6,	1.5);	(601430.7, 4131538.5,	33.5,	33.5,	1.5);
(601440.7, 4131538.5,	33.5,	33.5,	1.5);	(601450.7, 4131538.5,	33.5,	33.5,	1.5);
(601460.7, 4131538.5,	33.5,	33.5,	1.5);	(601470.7, 4131538.5,	33.5,	33.5,	1.5);
(601480.7, 4131538.5,	33.5,	33.5,	1.5);	(601500.7, 4131538.5,	33.5,	33.5,	1.5);
(601540.7, 4131538.5,	33.5,	33.5,	1.5);	(601550.7, 4131538.5,	33.5,	33.5,	1.5);
(601560.7, 4131538.5,	33.5,	33.5,	1.5);	(601570.7, 4131538.5,	33.5,	33.5,	1.5);
(601580.7, 4131538.5,	33.5,	33.5,	1.5);	(601590.7, 4131538.5,	33.5,	33.5,	1.5);
(601600.7, 4131538.5,	33.5,	33.5,	1.5);	(601610.7, 4131538.5,	33.5,	33.5,	1.5);
(601620.7, 4131538.5,	33.5,	33.5,	1.5);	(601630.7, 4131538.5,	33.5,	33.5,	1.5);
(601400.7, 4131548.5,	33.8,	33.8,	1.5);	(601410.7, 4131548.5,	33.7,	33.7,	1.5);
(601420.7, 4131548.5,	33.6,	33.6,	1.5);	(601430.7, 4131548.5,	33.5,	33.5,	1.5);
(601440.7, 4131548.5,	33.5,	33.5,	1.5);	(601450.7, 4131548.5,	33.5,	33.5,	1.5);
(601460.7, 4131548.5,	33.5,	33.5,	1.5);	(601470.7, 4131548.5,	33.5,	33.5,	1.5);
(601480.7, 4131548.5,	33.5,	33.5,	1.5);	(601490.7, 4131548.5,	33.5,	33.5,	1.5);
(601500.7, 4131548.5,	33.5,	33.5,	1.5);	(601510.7, 4131548.5,	33.5,	33.5,	1.5);
(601550.7, 4131548.5,	33.5,	33.5,	1.5);	(601560.7, 4131548.5,	33.5,	33.5,	1.5);
(601570.7, 4131548.5,	33.5,	33.5,	1.5);	(601580.7, 4131548.5,	33.5,	33.5,	1.5);
(601590.7, 4131548.5,	33.5,	33.5,	1.5);	(601600.7, 4131548.5,	33.5,	33.5,	1.5);
(601610.7, 4131548.5,	33.5,	33.5,	1.5);	(601620.7, 4131548.5,	33.5,	33.5,	1.5);
(601630.7, 4131548.5,	33.5,	33.5,	1.5);	(601380.7, 4131558.5,	34.1,	34.1,	1.5);
(601390.7, 4131558.5,	34.0,	34.0,	1.5);	(601400.7, 4131558.5,	33.9,	33.9,	1.5);
(601410.7, 4131558.5,	33.8,	33.8,	1.5);	(601420.7, 4131558.5,	33.7,	33.7,	1.5);
(601430.7, 4131558.5,	33.6,	33.6,	1.5);	(601440.7, 4131558.5,	33.5,	33.5,	1.5);
(601450.7, 4131558.5,	33.5,	33.5,	1.5);	(601460.7, 4131558.5,	33.5,	33.5,	1.5);
(601470.7, 4131558.5,	33.5,	33.5,	1.5);	(601480.7, 4131558.5,	33.5,	33.5,	1.5);
(601490.7, 4131558.5,	33.5,	33.5,	1.5);	(601500.7, 4131558.5,	33.5,	33.5,	1.5);
(601510.7, 4131558.5,	33.5,	33.5,	1.5);	(601520.7, 4131558.5,	33.5,	33.5,	1.5);
(601570.7, 4131558.5,	33.5,	33.5,	1.5);	(601580.7, 4131558.5,	33.5,	33.5,	1.5);
(601590.7, 4131558.5,	33.5,	33.5,	1.5);	(601600.7, 4131558.5,	33.5,	33.5,	1.5);
(601610.7, 4131558.5,	33.5,	33.5,	1.5);	(601620.7, 4131558.5,	33.5,	33.5,	1.5);
(601380.7, 4131568.5,	34.1,	34.1,	1.5);	(601390.7, 4131568.5,	34.0,	34.0,	1.5);
(601400.7, 4131568.5,	33.9,	33.9,	1.5);	(601410.7, 4131568.5,	33.8,	33.8,	1.5);
(601420.7, 4131568.5,	33.7,	33.7,	1.5);	(601430.7, 4131568.5,	33.7,	33.7,	1.5);
(601440.7, 4131568.5,	33.6,	33.6,	1.5);	(601450.7, 4131568.5,	33.6,	33.6,	1.5);
(601460.7, 4131568.5,	33.5,	33.5,	1.5);	(601470.7, 4131568.5,	33.5,	33.5,	1.5);
(601480.7, 4131568.5,	33.5,	33.5,	1.5);	(601490.7, 4131568.5,	33.5,	33.5,	1.5);
(601500.7, 4131568.5,	33.5,	33.5,	1.5);	(601510.7, 4131568.5,	33.5,	33.5,	1.5);

(601520.7, 4131568.5,	33.5,	33.5,	1.5);	(601530.7, 4131568.5,	33.5,	33.5,	1.5);
(601570.7, 4131568.5,	33.5,	33.5,	1.5);	(601580.7, 4131568.5,	33.5,	33.5,	1.5);
(601590.7, 4131568.5,	33.5,	33.5,	1.5);	(601600.7, 4131568.5,	33.5,	33.5,	1.5);

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601610.7, 4131568.5,	33.5,	33.5,	1.5);	(601620.7, 4131568.5,	33.5,	33.5,	1.5);
(601370.7, 4131578.5,	34.2,	34.2,	1.5);	(601380.7, 4131578.5,	34.1,	34.1,	1.5);
(601390.7, 4131578.5,	34.0,	34.0,	1.5);	(601400.7, 4131578.5,	33.9,	33.9,	1.5);
(601410.7, 4131578.5,	33.8,	33.8,	1.5);	(601420.7, 4131578.5,	33.8,	33.8,	1.5);
(601430.7, 4131578.5,	33.8,	33.8,	1.5);	(601440.7, 4131578.5,	33.7,	33.7,	1.5);
(601450.7, 4131578.5,	33.6,	33.6,	1.5);	(601460.7, 4131578.5,	33.5,	33.5,	1.5);
(601470.7, 4131578.5,	33.5,	33.5,	1.5);	(601480.7, 4131578.5,	33.5,	33.5,	1.5);
(601490.7, 4131578.5,	33.5,	33.5,	1.5);	(601500.7, 4131578.5,	33.5,	33.5,	1.5);
(601510.7, 4131578.5,	33.5,	33.5,	1.5);	(601520.7, 4131578.5,	33.5,	33.5,	1.5);
(601530.7, 4131578.5,	33.5,	33.5,	1.5);	(601540.7, 4131578.5,	33.5,	33.5,	1.5);
(601550.7, 4131578.5,	33.5,	33.5,	1.5);	(601590.7, 4131578.5,	33.5,	33.5,	1.5);
(601600.7, 4131578.5,	33.5,	33.5,	1.5);	(601610.7, 4131578.5,	33.5,	33.5,	1.5);
(601360.7, 4131588.5,	34.3,	34.3,	1.5);	(601370.7, 4131588.5,	34.2,	34.2,	1.5);
(601380.7, 4131588.5,	34.1,	34.1,	1.5);	(601390.7, 4131588.5,	34.0,	34.0,	1.5);
(601400.7, 4131588.5,	33.9,	33.9,	1.5);	(601410.7, 4131588.5,	33.8,	33.8,	1.5);
(601420.7, 4131588.5,	33.8,	33.8,	1.5);	(601430.7, 4131588.5,	33.8,	33.8,	1.5);
(601440.7, 4131588.5,	33.7,	33.7,	1.5);	(601450.7, 4131588.5,	33.6,	33.6,	1.5);
(601460.7, 4131588.5,	33.5,	33.5,	1.5);	(601470.7, 4131588.5,	33.5,	33.5,	1.5);
(601480.7, 4131588.5,	33.5,	33.5,	1.5);	(601490.7, 4131588.5,	33.5,	33.5,	1.5);
(601500.7, 4131588.5,	33.5,	33.5,	1.5);	(601510.7, 4131588.5,	33.5,	33.5,	1.5);
(601520.7, 4131588.5,	33.5,	33.5,	1.5);	(601530.7, 4131588.5,	33.5,	33.5,	1.5);
(601540.7, 4131588.5,	33.5,	33.5,	1.5);	(601550.7, 4131588.5,	33.5,	33.5,	1.5);
(601560.7, 4131588.5,	33.5,	33.5,	1.5);	(601350.7, 4131598.5,	34.4,	34.4,	1.5);
(601360.7, 4131598.5,	34.3,	34.3,	1.5);	(601370.7, 4131598.5,	34.2,	34.2,	1.5);
(601380.7, 4131598.5,	34.1,	34.1,	1.5);	(601390.7, 4131598.5,	34.0,	34.0,	1.5);
(601400.7, 4131598.5,	33.9,	33.9,	1.5);	(601410.7, 4131598.5,	33.8,	33.8,	1.5);
(601420.7, 4131598.5,	33.8,	33.8,	1.5);	(601430.7, 4131598.5,	33.7,	33.7,	1.5);
(601440.7, 4131598.5,	33.7,	33.7,	1.5);	(601450.7, 4131598.5,	33.6,	33.6,	1.5);
(601460.7, 4131598.5,	33.5,	33.5,	1.5);	(601470.7, 4131598.5,	33.5,	33.5,	1.5);
(601480.7, 4131598.5,	33.5,	33.5,	1.5);	(601490.7, 4131598.5,	33.5,	33.5,	1.5);
(601500.7, 4131598.5,	33.5,	33.5,	1.5);	(601510.7, 4131598.5,	33.5,	33.5,	1.5);
(601520.7, 4131598.5,	33.5,	33.5,	1.5);	(601530.7, 4131598.5,	33.5,	33.5,	1.5);
(601540.7, 4131598.5,	33.5,	33.5,	1.5);	(601550.7, 4131598.5,	33.5,	33.5,	1.5);
(601560.7, 4131598.5,	33.5,	33.5,	1.5);	(601570.7, 4131598.5,	33.5,	33.5,	1.5);
(601580.7, 4131598.5,	33.5,	33.5,	1.5);	(601340.7, 4131608.5,	34.5,	34.5,	1.5);
(601350.7, 4131608.5,	34.4,	34.4,	1.5);	(601360.7, 4131608.5,	34.3,	34.3,	1.5);
(601370.7, 4131608.5,	34.2,	34.2,	1.5);	(601380.7, 4131608.5,	34.1,	34.1,	1.5);
(601390.7, 4131608.5,	34.0,	34.0,	1.5);	(601400.7, 4131608.5,	33.9,	33.9,	1.5);
(601410.7, 4131608.5,	33.8,	33.8,	1.5);	(601420.7, 4131608.5,	33.7,	33.7,	1.5);
(601430.7, 4131608.5,	33.6,	33.6,	1.5);	(601440.7, 4131608.5,	33.6,	33.6,	1.5);
(601450.7, 4131608.5,	33.6,	33.6,	1.5);	(601460.7, 4131608.5,	33.5,	33.5,	1.5);
(601470.7, 4131608.5,	33.5,	33.5,	1.5);	(601480.7, 4131608.5,	33.5,	33.5,	1.5);

(601490.7, 4131608.5,	33.5,	33.5,	1.5);	(601500.7, 4131608.5,	33.5,	33.5,	1.5);
(601510.7, 4131608.5,	33.5,	33.5,	1.5);	(601520.7, 4131608.5,	33.5,	33.5,	1.5);
(601530.7, 4131608.5,	33.5,	33.5,	1.5);	(601540.7, 4131608.5,	33.5,	33.5,	1.5);

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*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601550.7, 4131608.5,	33.5,	33.5,	1.5);	(601560.7, 4131608.5,	33.5,	33.5,	1.5);
(601570.7, 4131608.5,	33.5,	33.5,	1.5);	(601580.7, 4131608.5,	33.5,	33.5,	1.5);
(601330.7, 4131618.5,	34.5,	34.5,	1.5);	(601340.7, 4131618.5,	34.4,	34.4,	1.5);
(601350.7, 4131618.5,	34.3,	34.3,	1.5);	(601360.7, 4131618.5,	34.2,	34.2,	1.5);
(601370.7, 4131618.5,	34.1,	34.1,	1.5);	(601380.7, 4131618.5,	34.0,	34.0,	1.5);
(601390.7, 4131618.5,	33.9,	33.9,	1.5);	(601400.7, 4131618.5,	33.9,	33.9,	1.5);
(601410.7, 4131618.5,	33.8,	33.8,	1.5);	(601420.7, 4131618.5,	33.7,	33.7,	1.5);
(601430.7, 4131618.5,	33.5,	33.5,	1.5);	(601440.7, 4131618.5,	33.5,	33.5,	1.5);
(601450.7, 4131618.5,	33.5,	33.5,	1.5);	(601460.7, 4131618.5,	33.5,	33.5,	1.5);
(601470.7, 4131618.5,	33.5,	33.5,	1.5);	(601480.7, 4131618.5,	33.5,	33.5,	1.5);
(601490.7, 4131618.5,	33.5,	33.5,	1.5);	(601500.7, 4131618.5,	33.5,	33.5,	1.5);
(601510.7, 4131618.5,	33.5,	33.5,	1.5);	(601520.7, 4131618.5,	33.5,	33.5,	1.5);
(601530.7, 4131618.5,	33.5,	33.5,	1.5);	(601540.7, 4131618.5,	33.5,	33.5,	1.5);
(601550.7, 4131618.5,	33.5,	33.5,	1.5);	(601560.7, 4131618.5,	33.5,	33.5,	1.5);
(601570.7, 4131618.5,	33.5,	33.5,	1.5);	(601580.7, 4131618.5,	33.5,	33.5,	1.5);
(601330.7, 4131628.5,	34.4,	34.4,	1.5);	(601340.7, 4131628.5,	34.3,	34.3,	1.5);
(601350.7, 4131628.5,	34.2,	34.2,	1.5);	(601360.7, 4131628.5,	34.1,	34.1,	1.5);
(601370.7, 4131628.5,	34.0,	34.0,	1.5);	(601380.7, 4131628.5,	34.0,	34.0,	1.5);
(601390.7, 4131628.5,	33.9,	33.9,	1.5);	(601400.7, 4131628.5,	33.8,	33.8,	1.5);
(601440.7, 4131628.5,	33.5,	33.5,	1.5);	(601450.7, 4131628.5,	33.5,	33.5,	1.5);
(601460.7, 4131628.5,	33.5,	33.5,	1.5);	(601470.7, 4131628.5,	33.5,	33.5,	1.5);
(601480.7, 4131628.5,	33.5,	33.5,	1.5);	(601490.7, 4131628.5,	33.5,	33.5,	1.5);
(601500.7, 4131628.5,	33.5,	33.5,	1.5);	(601510.7, 4131628.5,	33.5,	33.5,	1.5);
(601520.7, 4131628.5,	33.5,	33.5,	1.5);	(601530.7, 4131628.5,	33.5,	33.5,	1.5);
(601540.7, 4131628.5,	33.5,	33.5,	1.5);	(601550.7, 4131628.5,	33.5,	33.5,	1.5);
(601560.7, 4131628.5,	33.5,	33.5,	1.5);	(601570.7, 4131628.5,	33.5,	33.5,	1.5);
(601350.7, 4131638.5,	34.1,	34.1,	1.5);	(601360.7, 4131638.5,	34.0,	34.0,	1.5);
(601370.7, 4131638.5,	33.9,	33.9,	1.5);	(601380.7, 4131638.5,	33.9,	33.9,	1.5);
(601390.7, 4131638.5,	33.9,	33.9,	1.5);	(601410.7, 4131638.5,	33.8,	33.8,	1.5);
(601420.7, 4131638.5,	33.7,	33.7,	1.5);	(601450.7, 4131638.5,	33.5,	33.5,	1.5);
(601460.7, 4131638.5,	33.5,	33.5,	1.5);	(601470.7, 4131638.5,	33.5,	33.5,	1.5);
(601480.7, 4131638.5,	33.5,	33.5,	1.5);	(601490.7, 4131638.5,	33.5,	33.5,	1.5);
(601500.7, 4131638.5,	33.5,	33.5,	1.5);	(601510.7, 4131638.5,	33.5,	33.5,	1.5);
(601520.7, 4131638.5,	33.5,	33.5,	1.5);	(601530.7, 4131638.5,	33.5,	33.5,	1.5);
(601540.7, 4131638.5,	33.5,	33.5,	1.5);	(601550.7, 4131638.5,	33.5,	33.5,	1.5);
(601560.7, 4131638.5,	33.5,	33.5,	1.5);	(601620.7, 4131638.5,	33.5,	33.5,	1.5);
(601630.7, 4131638.5,	33.5,	33.5,	1.5);	(601640.7, 4131638.5,	33.5,	33.5,	1.5);
(601310.7, 4131648.5,	34.5,	34.5,	1.5);	(601320.7, 4131648.5,	34.4,	34.4,	1.5);
(601350.7, 4131648.5,	34.1,	34.1,	1.5);	(601360.7, 4131648.5,	34.0,	34.0,	1.5);
(601370.7, 4131648.5,	33.9,	33.9,	1.5);	(601380.7, 4131648.5,	33.8,	33.8,	1.5);
(601400.7, 4131648.5,	33.8,	33.8,	1.5);	(601410.7, 4131648.5,	33.7,	33.7,	1.5);
(601420.7, 4131648.5,	33.6,	33.6,	1.5);	(601430.7, 4131648.5,	33.5,	33.5,	1.5);

(601470.7, 4131648.5, 33.5, 33.5, 1.5);
(601490.7, 4131648.5, 33.5, 33.5, 1.5);
(601510.7, 4131648.5, 33.5, 33.5, 1.5);

(601480.7, 4131648.5, 33.5, 33.5, 1.5);
(601500.7, 4131648.5, 33.5, 33.5, 1.5);
(601520.7, 4131648.5, 33.5, 33.5, 1.5);

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601530.7, 4131648.5,	33.5,	33.5,	1.5);	(601540.7, 4131648.5,	33.5,	33.5,	1.5);
(601550.7, 4131648.5,	33.5,	33.5,	1.5);	(601560.7, 4131648.5,	33.5,	33.5,	1.5);
(601620.7, 4131648.5,	33.5,	33.5,	1.5);	(601630.7, 4131648.5,	33.5,	33.5,	1.5);
(601640.7, 4131648.5,	33.5,	33.5,	1.5);	(601650.7, 4131648.5,	33.5,	33.5,	1.5);
(601660.7, 4131648.5,	33.5,	33.5,	1.5);	(601300.7, 4131658.5,	34.5,	34.5,	1.5);
(601310.7, 4131658.5,	34.5,	34.5,	1.5);	(601320.7, 4131658.5,	34.4,	34.4,	1.5);
(601330.7, 4131658.5,	34.3,	34.3,	1.5);	(601370.7, 4131658.5,	33.9,	33.9,	1.5);
(601390.7, 4131658.5,	33.8,	33.8,	1.5);	(601400.7, 4131658.5,	33.7,	33.7,	1.5);
(601410.7, 4131658.5,	33.7,	33.7,	1.5);	(601420.7, 4131658.5,	33.6,	33.6,	1.5);
(601430.7, 4131658.5,	33.5,	33.5,	1.5);	(601440.7, 4131658.5,	33.5,	33.5,	1.5);
(601450.7, 4131658.5,	33.5,	33.5,	1.5);	(601480.7, 4131658.5,	33.5,	33.5,	1.5);
(601490.7, 4131658.5,	33.4,	33.4,	1.5);	(601500.7, 4131658.5,	33.4,	33.4,	1.5);
(601510.7, 4131658.5,	33.4,	33.4,	1.5);	(601520.7, 4131658.5,	33.4,	33.4,	1.5);
(601530.7, 4131658.5,	33.4,	33.4,	1.5);	(601540.7, 4131658.5,	33.4,	33.4,	1.5);
(601550.7, 4131658.5,	33.4,	33.4,	1.5);	(601600.7, 4131658.5,	33.5,	33.5,	1.5);
(601610.7, 4131658.5,	33.5,	33.5,	1.5);	(601620.7, 4131658.5,	33.5,	33.5,	1.5);
(601630.7, 4131658.5,	33.5,	33.5,	1.5);	(601640.7, 4131658.5,	33.5,	33.5,	1.5);
(601650.7, 4131658.5,	33.5,	33.5,	1.5);	(601660.7, 4131658.5,	33.5,	33.5,	1.5);
(601670.7, 4131658.5,	33.4,	33.4,	1.5);	(601310.7, 4131668.5,	34.4,	34.4,	1.5);
(601320.7, 4131668.5,	34.4,	34.4,	1.5);	(601330.7, 4131668.5,	34.3,	34.3,	1.5);
(601340.7, 4131668.5,	34.2,	34.2,	1.5);	(601350.7, 4131668.5,	34.1,	34.1,	1.5);
(601390.7, 4131668.5,	33.7,	33.7,	1.5);	(601400.7, 4131668.5,	33.6,	33.6,	1.5);
(601410.7, 4131668.5,	33.6,	33.6,	1.5);	(601420.7, 4131668.5,	33.6,	33.6,	1.5);
(601430.7, 4131668.5,	33.5,	33.5,	1.5);	(601440.7, 4131668.5,	33.5,	33.5,	1.5);
(601450.7, 4131668.5,	33.5,	33.5,	1.5);	(601460.7, 4131668.5,	33.5,	33.5,	1.5);
(601500.7, 4131668.5,	33.3,	33.3,	1.5);	(601510.7, 4131668.5,	33.3,	33.3,	1.5);
(601520.7, 4131668.5,	33.3,	33.3,	1.5);	(601530.7, 4131668.5,	33.3,	33.3,	1.5);
(601540.7, 4131668.5,	33.3,	33.3,	1.5);	(601590.7, 4131668.5,	33.4,	33.4,	1.5);
(601600.7, 4131668.5,	33.4,	33.4,	1.5);	(601610.7, 4131668.5,	33.5,	33.5,	1.5);
(601620.7, 4131668.5,	33.5,	33.5,	1.5);	(601630.7, 4131668.5,	33.5,	33.5,	1.5);
(601640.7, 4131668.5,	33.5,	33.5,	1.5);	(601650.7, 4131668.5,	33.5,	33.5,	1.5);
(601660.7, 4131668.5,	33.4,	33.4,	1.5);	(601670.7, 4131668.5,	33.3,	33.3,	1.5);
(601680.7, 4131668.5,	33.3,	33.3,	1.5);	(601700.7, 4131668.5,	33.3,	33.3,	1.5);
(601320.7, 4131678.5,	34.3,	34.3,	1.5);	(601330.7, 4131678.5,	34.2,	34.2,	1.5);
(601340.7, 4131678.5,	34.1,	34.1,	1.5);	(601350.7, 4131678.5,	34.0,	34.0,	1.5);
(601390.7, 4131678.5,	33.6,	33.6,	1.5);	(601400.7, 4131678.5,	33.5,	33.5,	1.5);
(601410.7, 4131678.5,	33.5,	33.5,	1.5);	(601420.7, 4131678.5,	33.5,	33.5,	1.5);
(601430.7, 4131678.5,	33.5,	33.5,	1.5);	(601440.7, 4131678.5,	33.5,	33.5,	1.5);
(601450.7, 4131678.5,	33.5,	33.5,	1.5);	(601460.7, 4131678.5,	33.5,	33.5,	1.5);
(601470.7, 4131678.5,	33.4,	33.4,	1.5);	(601480.7, 4131678.5,	33.3,	33.3,	1.5);
(601510.7, 4131678.5,	33.2,	33.2,	1.5);	(601520.7, 4131678.5,	33.2,	33.2,	1.5);
(601530.7, 4131678.5,	33.2,	33.2,	1.5);	(601540.7, 4131678.5,	33.2,	33.2,	1.5);

(601580.7, 4131678.5,	33.2,	33.2,	1.5);	(601590.7, 4131678.5,	33.3,	33.3,	1.5);
(601600.7, 4131678.5,	33.4,	33.4,	1.5);	(601610.7, 4131678.5,	33.5,	33.5,	1.5);
(601620.7, 4131678.5,	33.5,	33.5,	1.5);	(601630.7, 4131678.5,	33.5,	33.5,	1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601640.7, 4131678.5,	33.5,	33.5,	1.5);	(601650.7, 4131678.5,	33.4,	33.4,	1.5);
(601660.7, 4131678.5,	33.3,	33.3,	1.5);	(601670.7, 4131678.5,	33.2,	33.2,	1.5);
(601680.7, 4131678.5,	33.2,	33.2,	1.5);	(601690.7, 4131678.5,	33.2,	33.2,	1.5);
(601700.7, 4131678.5,	33.2,	33.2,	1.5);	(601330.7, 4131688.5,	34.1,	34.1,	1.5);
(601340.7, 4131688.5,	34.0,	34.0,	1.5);	(601350.7, 4131688.5,	33.9,	33.9,	1.5);
(601360.7, 4131688.5,	33.8,	33.8,	1.5);	(601370.7, 4131688.5,	33.7,	33.7,	1.5);
(601390.7, 4131688.5,	33.6,	33.6,	1.5);	(601400.7, 4131688.5,	33.5,	33.5,	1.5);
(601410.7, 4131688.5,	33.5,	33.5,	1.5);	(601420.7, 4131688.5,	33.5,	33.5,	1.5);
(601430.7, 4131688.5,	33.5,	33.5,	1.5);	(601440.7, 4131688.5,	33.5,	33.5,	1.5);
(601450.7, 4131688.5,	33.5,	33.5,	1.5);	(601460.7, 4131688.5,	33.4,	33.4,	1.5);
(601470.7, 4131688.5,	33.4,	33.4,	1.5);	(601480.7, 4131688.5,	33.3,	33.3,	1.5);
(601490.7, 4131688.5,	33.2,	33.2,	1.5);	(601530.7, 4131688.5,	33.2,	33.2,	1.5);
(601580.7, 4131688.5,	33.2,	33.2,	1.5);	(601590.7, 4131688.5,	33.3,	33.3,	1.5);
(601600.7, 4131688.5,	33.3,	33.3,	1.5);	(601610.7, 4131688.5,	33.4,	33.4,	1.5);
(601620.7, 4131688.5,	33.4,	33.4,	1.5);	(601630.7, 4131688.5,	33.4,	33.4,	1.5);
(601640.7, 4131688.5,	33.4,	33.4,	1.5);	(601650.7, 4131688.5,	33.4,	33.4,	1.5);
(601660.7, 4131688.5,	33.3,	33.3,	1.5);	(601670.7, 4131688.5,	33.2,	33.2,	1.5);
(601680.7, 4131688.5,	33.2,	33.2,	1.5);	(601690.7, 4131688.5,	33.2,	33.2,	1.5);
(601700.7, 4131688.5,	33.2,	33.2,	1.5);	(601710.7, 4131688.5,	33.2,	33.2,	1.5);
(601270.7, 4131698.5,	34.5,	34.5,	1.5);	(601340.7, 4131698.5,	33.9,	33.9,	1.5);
(601350.7, 4131698.5,	33.8,	33.8,	1.5);	(601360.7, 4131698.5,	33.7,	33.7,	1.5);
(601370.7, 4131698.5,	33.6,	33.6,	1.5);	(601380.7, 4131698.5,	33.6,	33.6,	1.5);
(601400.7, 4131698.5,	33.5,	33.5,	1.5);	(601410.7, 4131698.5,	33.5,	33.5,	1.5);
(601420.7, 4131698.5,	33.5,	33.5,	1.5);	(601430.7, 4131698.5,	33.5,	33.5,	1.5);
(601440.7, 4131698.5,	33.5,	33.5,	1.5);	(601450.7, 4131698.5,	33.4,	33.4,	1.5);
(601460.7, 4131698.5,	33.3,	33.3,	1.5);	(601470.7, 4131698.5,	33.3,	33.3,	1.5);
(601480.7, 4131698.5,	33.3,	33.3,	1.5);	(601490.7, 4131698.5,	33.2,	33.2,	1.5);
(601500.7, 4131698.5,	33.2,	33.2,	1.5);	(601560.7, 4131698.5,	33.2,	33.2,	1.5);
(601570.7, 4131698.5,	33.2,	33.2,	1.5);	(601580.7, 4131698.5,	33.2,	33.2,	1.5);
(601590.7, 4131698.5,	33.2,	33.2,	1.5);	(601600.7, 4131698.5,	33.3,	33.3,	1.5);
(601610.7, 4131698.5,	33.3,	33.3,	1.5);	(601620.7, 4131698.5,	33.3,	33.3,	1.5);
(601630.7, 4131698.5,	33.3,	33.3,	1.5);	(601640.7, 4131698.5,	33.3,	33.3,	1.5);
(601650.7, 4131698.5,	33.3,	33.3,	1.5);	(601660.7, 4131698.5,	33.3,	33.3,	1.5);
(601670.7, 4131698.5,	33.2,	33.2,	1.5);	(601680.7, 4131698.5,	33.2,	33.2,	1.5);
(601690.7, 4131698.5,	33.2,	33.2,	1.5);	(601700.7, 4131698.5,	33.2,	33.2,	1.5);
(601710.7, 4131698.5,	33.2,	33.2,	1.5);	(601270.7, 4131708.5,	34.4,	34.4,	1.5);
(601280.7, 4131708.5,	34.4,	34.4,	1.5);	(601350.7, 4131708.5,	33.8,	33.8,	1.5);
(601360.7, 4131708.5,	33.7,	33.7,	1.5);	(601370.7, 4131708.5,	33.5,	33.5,	1.5);
(601380.7, 4131708.5,	33.5,	33.5,	1.5);	(601390.7, 4131708.5,	33.5,	33.5,	1.5);
(601420.7, 4131708.5,	33.5,	33.5,	1.5);	(601430.7, 4131708.5,	33.5,	33.5,	1.5);
(601440.7, 4131708.5,	33.4,	33.4,	1.5);	(601450.7, 4131708.5,	33.3,	33.3,	1.5);
(601460.7, 4131708.5,	33.2,	33.2,	1.5);	(601470.7, 4131708.5,	33.2,	33.2,	1.5);

(601480.7, 4131708.5, 33.2, 33.2, 1.5);
(601500.7, 4131708.5, 33.2, 33.2, 1.5);
(601560.7, 4131708.5, 33.2, 33.2, 1.5);

(601490.7, 4131708.5, 33.2, 33.2, 1.5);
(601510.7, 4131708.5, 33.2, 33.2, 1.5);
(601570.7, 4131708.5, 33.2, 33.2, 1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** PAGE 59

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601580.7, 4131708.5,	33.2,	33.2,	1.5);	(601590.7, 4131708.5,	33.2,	33.2,	1.5);
(601600.7, 4131708.5,	33.2,	33.2,	1.5);	(601610.7, 4131708.5,	33.2,	33.2,	1.5);
(601620.7, 4131708.5,	33.2,	33.2,	1.5);	(601630.7, 4131708.5,	33.2,	33.2,	1.5);
(601640.7, 4131708.5,	33.2,	33.2,	1.5);	(601650.7, 4131708.5,	33.2,	33.2,	1.5);
(601660.7, 4131708.5,	33.2,	33.2,	1.5);	(601670.7, 4131708.5,	33.2,	33.2,	1.5);
(601680.7, 4131708.5,	33.2,	33.2,	1.5);	(601690.7, 4131708.5,	33.2,	33.2,	1.5);
(601700.7, 4131708.5,	33.2,	33.2,	1.5);	(601710.7, 4131708.5,	33.2,	33.2,	1.5);
(601280.7, 4131718.5,	34.3,	34.3,	1.5);	(601290.7, 4131718.5,	34.2,	34.2,	1.5);
(601370.7, 4131718.5,	33.5,	33.5,	1.5);	(601380.7, 4131718.5,	33.5,	33.5,	1.5);
(601390.7, 4131718.5,	33.5,	33.5,	1.5);	(601400.7, 4131718.5,	33.5,	33.5,	1.5);
(601430.7, 4131718.5,	33.5,	33.5,	1.5);	(601440.7, 4131718.5,	33.4,	33.4,	1.5);
(601450.7, 4131718.5,	33.3,	33.3,	1.5);	(601460.7, 4131718.5,	33.2,	33.2,	1.5);
(601470.7, 4131718.5,	33.2,	33.2,	1.5);	(601480.7, 4131718.5,	33.2,	33.2,	1.5);
(601490.7, 4131718.5,	33.2,	33.2,	1.5);	(601500.7, 4131718.5,	33.2,	33.2,	1.5);
(601550.7, 4131718.5,	33.2,	33.2,	1.5);	(601560.7, 4131718.5,	33.2,	33.2,	1.5);
(601570.7, 4131718.5,	33.2,	33.2,	1.5);	(601580.7, 4131718.5,	33.2,	33.2,	1.5);
(601590.7, 4131718.5,	33.2,	33.2,	1.5);	(601600.7, 4131718.5,	33.2,	33.2,	1.5);
(601610.7, 4131718.5,	33.2,	33.2,	1.5);	(601620.7, 4131718.5,	33.2,	33.2,	1.5);
(601630.7, 4131718.5,	33.2,	33.2,	1.5);	(601640.7, 4131718.5,	33.2,	33.2,	1.5);
(601650.7, 4131718.5,	33.2,	33.2,	1.5);	(601660.7, 4131718.5,	33.2,	33.2,	1.5);
(601670.7, 4131718.5,	33.2,	33.2,	1.5);	(601680.7, 4131718.5,	33.2,	33.2,	1.5);
(601690.7, 4131718.5,	33.2,	33.2,	1.5);	(601700.7, 4131718.5,	33.2,	33.2,	1.5);
(601710.7, 4131718.5,	33.2,	33.2,	1.5);	(601290.7, 4131728.5,	34.1,	34.1,	1.5);
(601300.7, 4131728.5,	34.0,	34.0,	1.5);	(601380.7, 4131728.5,	33.5,	33.5,	1.5);
(601390.7, 4131728.5,	33.5,	33.5,	1.5);	(601400.7, 4131728.5,	33.5,	33.5,	1.5);
(601410.7, 4131728.5,	33.5,	33.5,	1.5);	(601440.7, 4131728.5,	33.4,	33.4,	1.5);
(601450.7, 4131728.5,	33.3,	33.3,	1.5);	(601460.7, 4131728.5,	33.2,	33.2,	1.5);
(601470.7, 4131728.5,	33.2,	33.2,	1.5);	(601480.7, 4131728.5,	33.2,	33.2,	1.5);
(601490.7, 4131728.5,	33.2,	33.2,	1.5);	(601500.7, 4131728.5,	33.2,	33.2,	1.5);
(601540.7, 4131728.5,	33.2,	33.2,	1.5);	(601550.7, 4131728.5,	33.2,	33.2,	1.5);
(601560.7, 4131728.5,	33.2,	33.2,	1.5);	(601570.7, 4131728.5,	33.2,	33.2,	1.5);
(601580.7, 4131728.5,	33.2,	33.2,	1.5);	(601590.7, 4131728.5,	33.2,	33.2,	1.5);
(601600.7, 4131728.5,	33.2,	33.2,	1.5);	(601610.7, 4131728.5,	33.2,	33.2,	1.5);
(601620.7, 4131728.5,	33.2,	33.2,	1.5);	(601630.7, 4131728.5,	33.2,	33.2,	1.5);
(601640.7, 4131728.5,	33.2,	33.2,	1.5);	(601650.7, 4131728.5,	33.2,	33.2,	1.5);
(601660.7, 4131728.5,	33.2,	33.2,	1.5);	(601670.7, 4131728.5,	33.2,	33.2,	1.5);
(601680.7, 4131728.5,	33.2,	33.2,	1.5);	(601690.7, 4131728.5,	33.2,	33.2,	1.5);
(601700.7, 4131728.5,	33.2,	33.2,	1.5);	(601710.7, 4131728.5,	33.2,	33.2,	1.5);
(601300.7, 4131738.5,	34.0,	34.0,	1.5);	(601310.7, 4131738.5,	33.9,	33.9,	1.5);
(601380.7, 4131738.5,	33.5,	33.5,	1.5);	(601390.7, 4131738.5,	33.5,	33.5,	1.5);
(601400.7, 4131738.5,	33.5,	33.5,	1.5);	(601410.7, 4131738.5,	33.5,	33.5,	1.5);
(601420.7, 4131738.5,	33.5,	33.5,	1.5);	(601450.7, 4131738.5,	33.3,	33.3,	1.5);

(601460.7, 4131738.5,	33.2,	33.2,	1.5);	(601470.7, 4131738.5,	33.2,	33.2,	1.5);
(601480.7, 4131738.5,	33.2,	33.2,	1.5);	(601490.7, 4131738.5,	33.2,	33.2,	1.5);
(601540.7, 4131738.5,	33.2,	33.2,	1.5);	(601550.7, 4131738.5,	33.2,	33.2,	1.5);

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601560.7, 4131738.5,	33.2,	33.2,	1.5);	(601570.7, 4131738.5,	33.2,	33.2,	1.5);
(601580.7, 4131738.5,	33.2,	33.2,	1.5);	(601590.7, 4131738.5,	33.2,	33.2,	1.5);
(601600.7, 4131738.5,	33.2,	33.2,	1.5);	(601610.7, 4131738.5,	33.2,	33.2,	1.5);
(601620.7, 4131738.5,	33.2,	33.2,	1.5);	(601630.7, 4131738.5,	33.2,	33.2,	1.5);
(601640.7, 4131738.5,	33.2,	33.2,	1.5);	(601650.7, 4131738.5,	33.2,	33.2,	1.5);
(601660.7, 4131738.5,	33.2,	33.2,	1.5);	(601670.7, 4131738.5,	33.2,	33.2,	1.5);
(601680.7, 4131738.5,	33.2,	33.2,	1.5);	(601690.7, 4131738.5,	33.2,	33.2,	1.5);
(601700.7, 4131738.5,	33.2,	33.2,	1.5);	(601710.7, 4131738.5,	33.2,	33.2,	1.5);
(601240.7, 4131748.5,	34.4,	34.4,	1.5);	(601310.7, 4131748.5,	33.9,	33.9,	1.5);
(601320.7, 4131748.5,	33.8,	33.8,	1.5);	(601330.7, 4131748.5,	33.8,	33.8,	1.5);
(601400.7, 4131748.5,	33.4,	33.4,	1.5);	(601410.7, 4131748.5,	33.4,	33.4,	1.5);
(601420.7, 4131748.5,	33.4,	33.4,	1.5);	(601430.7, 4131748.5,	33.4,	33.4,	1.5);
(601470.7, 4131748.5,	33.2,	33.2,	1.5);	(601480.7, 4131748.5,	33.2,	33.2,	1.5);
(601490.7, 4131748.5,	33.2,	33.2,	1.5);	(601530.7, 4131748.5,	33.2,	33.2,	1.5);
(601540.7, 4131748.5,	33.2,	33.2,	1.5);	(601550.7, 4131748.5,	33.2,	33.2,	1.5);
(601560.7, 4131748.5,	33.2,	33.2,	1.5);	(601570.7, 4131748.5,	33.2,	33.2,	1.5);
(601580.7, 4131748.5,	33.2,	33.2,	1.5);	(601590.7, 4131748.5,	33.2,	33.2,	1.5);
(601600.7, 4131748.5,	33.2,	33.2,	1.5);	(601610.7, 4131748.5,	33.2,	33.2,	1.5);
(601620.7, 4131748.5,	33.2,	33.2,	1.5);	(601630.7, 4131748.5,	33.1,	33.1,	1.5);
(601640.7, 4131748.5,	33.1,	33.1,	1.5);	(601650.7, 4131748.5,	33.1,	33.1,	1.5);
(601660.7, 4131748.5,	33.1,	33.1,	1.5);	(601670.7, 4131748.5,	33.1,	33.1,	1.5);
(601680.7, 4131748.5,	33.1,	33.1,	1.5);	(601690.7, 4131748.5,	33.1,	33.1,	1.5);
(601700.7, 4131748.5,	33.1,	33.1,	1.5);	(601710.7, 4131748.5,	33.1,	33.1,	1.5);
(601220.7, 4131758.5,	34.4,	34.4,	1.5);	(601230.7, 4131758.5,	34.4,	34.4,	1.5);
(601240.7, 4131758.5,	34.4,	34.4,	1.5);	(601250.7, 4131758.5,	34.4,	34.4,	1.5);
(601320.7, 4131758.5,	33.8,	33.8,	1.5);	(601330.7, 4131758.5,	33.7,	33.7,	1.5);
(601340.7, 4131758.5,	33.6,	33.6,	1.5);	(601400.7, 4131758.5,	33.3,	33.3,	1.5);
(601410.7, 4131758.5,	33.3,	33.3,	1.5);	(601420.7, 4131758.5,	33.3,	33.3,	1.5);
(601430.7, 4131758.5,	33.3,	33.3,	1.5);	(601440.7, 4131758.5,	33.3,	33.3,	1.5);
(601480.7, 4131758.5,	33.2,	33.2,	1.5);	(601530.7, 4131758.5,	33.2,	33.2,	1.5);
(601540.7, 4131758.5,	33.2,	33.2,	1.5);	(601550.7, 4131758.5,	33.2,	33.2,	1.5);
(601560.7, 4131758.5,	33.2,	33.2,	1.5);	(601570.7, 4131758.5,	33.2,	33.2,	1.5);
(601580.7, 4131758.5,	33.2,	33.2,	1.5);	(601590.7, 4131758.5,	33.2,	33.2,	1.5);
(601600.7, 4131758.5,	33.2,	33.2,	1.5);	(601610.7, 4131758.5,	33.2,	33.2,	1.5);
(601620.7, 4131758.5,	33.2,	33.2,	1.5);	(601630.7, 4131758.5,	33.1,	33.1,	1.5);
(601640.7, 4131758.5,	33.0,	33.0,	1.5);	(601650.7, 4131758.5,	33.0,	33.0,	1.5);
(601660.7, 4131758.5,	33.0,	33.0,	1.5);	(601670.7, 4131758.5,	33.0,	33.0,	1.5);
(601680.7, 4131758.5,	33.0,	33.0,	1.5);	(601690.7, 4131758.5,	33.0,	33.0,	1.5);
(601220.7, 4131768.5,	34.4,	34.4,	1.5);	(601230.7, 4131768.5,	34.4,	34.4,	1.5);
(601240.7, 4131768.5,	34.4,	34.4,	1.5);	(601250.7, 4131768.5,	34.4,	34.4,	1.5);
(601260.7, 4131768.5,	34.3,	34.3,	1.5);	(601340.7, 4131768.5,	33.5,	33.5,	1.5);
(601390.7, 4131768.5,	33.3,	33.3,	1.5);	(601400.7, 4131768.5,	33.2,	33.2,	1.5);

(601410.7, 4131768.5,	33.2,	33.2,	1.5);	(601420.7, 4131768.5,	33.2,	33.2,	1.5);
(601430.7, 4131768.5,	33.2,	33.2,	1.5);	(601440.7, 4131768.5,	33.2,	33.2,	1.5);
(601450.7, 4131768.5,	33.2,	33.2,	1.5);	(601460.7, 4131768.5,	33.2,	33.2,	1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601540.7, 4131768.5,	33.2,	33.2,	1.5);	(601550.7, 4131768.5,	33.2,	33.2,	1.5);
(601560.7, 4131768.5,	33.2,	33.2,	1.5);	(601570.7, 4131768.5,	33.2,	33.2,	1.5);
(601580.7, 4131768.5,	33.2,	33.2,	1.5);	(601590.7, 4131768.5,	33.2,	33.2,	1.5);
(601600.7, 4131768.5,	33.2,	33.2,	1.5);	(601610.7, 4131768.5,	33.2,	33.2,	1.5);
(601620.7, 4131768.5,	33.1,	33.1,	1.5);	(601630.7, 4131768.5,	33.0,	33.0,	1.5);
(601640.7, 4131768.5,	32.9,	32.9,	1.5);	(601650.7, 4131768.5,	32.9,	32.9,	1.5);
(601660.7, 4131768.5,	32.9,	32.9,	1.5);	(601670.7, 4131768.5,	32.9,	32.9,	1.5);
(601680.7, 4131768.5,	32.9,	32.9,	1.5);	(601690.7, 4131768.5,	32.9,	32.9,	1.5);
(601220.7, 4131778.5,	34.4,	34.4,	1.5);	(601230.7, 4131778.5,	34.4,	34.4,	1.5);
(601240.7, 4131778.5,	34.4,	34.4,	1.5);	(601250.7, 4131778.5,	34.3,	34.3,	1.5);
(601260.7, 4131778.5,	34.2,	34.2,	1.5);	(601270.7, 4131778.5,	34.1,	34.1,	1.5);
(601340.7, 4131778.5,	33.5,	33.5,	1.5);	(601400.7, 4131778.5,	33.2,	33.2,	1.5);
(601410.7, 4131778.5,	33.2,	33.2,	1.5);	(601420.7, 4131778.5,	33.2,	33.2,	1.5);
(601430.7, 4131778.5,	33.2,	33.2,	1.5);	(601440.7, 4131778.5,	33.2,	33.2,	1.5);
(601450.7, 4131778.5,	33.2,	33.2,	1.5);	(601460.7, 4131778.5,	33.2,	33.2,	1.5);
(601500.7, 4131778.5,	33.2,	33.2,	1.5);	(601510.7, 4131778.5,	33.2,	33.2,	1.5);
(601550.7, 4131778.5,	33.2,	33.2,	1.5);	(601560.7, 4131778.5,	33.2,	33.2,	1.5);
(601570.7, 4131778.5,	33.1,	33.1,	1.5);	(601580.7, 4131778.5,	33.1,	33.1,	1.5);
(601590.7, 4131778.5,	33.1,	33.1,	1.5);	(601600.7, 4131778.5,	33.1,	33.1,	1.5);
(601610.7, 4131778.5,	33.1,	33.1,	1.5);	(601620.7, 4131778.5,	33.1,	33.1,	1.5);
(601630.7, 4131778.5,	33.0,	33.0,	1.5);	(601640.7, 4131778.5,	32.9,	32.9,	1.5);
(601650.7, 4131778.5,	32.9,	32.9,	1.5);	(601660.7, 4131778.5,	32.9,	32.9,	1.5);
(601670.7, 4131778.5,	32.9,	32.9,	1.5);	(601680.7, 4131778.5,	32.9,	32.9,	1.5);
(601690.7, 4131778.5,	32.9,	32.9,	1.5);	(601210.7, 4131788.5,	34.3,	34.3,	1.5);
(601220.7, 4131788.5,	34.4,	34.4,	1.5);	(601230.7, 4131788.5,	34.4,	34.4,	1.5);
(601240.7, 4131788.5,	34.3,	34.3,	1.5);	(601250.7, 4131788.5,	34.2,	34.2,	1.5);
(601260.7, 4131788.5,	34.1,	34.1,	1.5);	(601270.7, 4131788.5,	34.0,	34.0,	1.5);
(601280.7, 4131788.5,	33.9,	33.9,	1.5);	(601290.7, 4131788.5,	33.8,	33.8,	1.5);
(601340.7, 4131788.5,	33.5,	33.5,	1.5);	(601350.7, 4131788.5,	33.5,	33.5,	1.5);
(601410.7, 4131788.5,	33.2,	33.2,	1.5);	(601420.7, 4131788.5,	33.2,	33.2,	1.5);
(601430.7, 4131788.5,	33.2,	33.2,	1.5);	(601440.7, 4131788.5,	33.2,	33.2,	1.5);
(601450.7, 4131788.5,	33.2,	33.2,	1.5);	(601460.7, 4131788.5,	33.2,	33.2,	1.5);
(601500.7, 4131788.5,	33.2,	33.2,	1.5);	(601510.7, 4131788.5,	33.2,	33.2,	1.5);
(601520.7, 4131788.5,	33.2,	33.2,	1.5);	(601530.7, 4131788.5,	33.2,	33.2,	1.5);
(601570.7, 4131788.5,	33.1,	33.1,	1.5);	(601580.7, 4131788.5,	33.0,	33.0,	1.5);
(601590.7, 4131788.5,	33.0,	33.0,	1.5);	(601600.7, 4131788.5,	33.0,	33.0,	1.5);
(601610.7, 4131788.5,	33.0,	33.0,	1.5);	(601620.7, 4131788.5,	33.0,	33.0,	1.5);
(601630.7, 4131788.5,	32.9,	32.9,	1.5);	(601640.7, 4131788.5,	32.9,	32.9,	1.5);
(601650.7, 4131788.5,	32.9,	32.9,	1.5);	(601660.7, 4131788.5,	32.9,	32.9,	1.5);
(601670.7, 4131788.5,	32.9,	32.9,	1.5);	(601680.7, 4131788.5,	32.9,	32.9,	1.5);
(601690.7, 4131788.5,	32.9,	32.9,	1.5);	(601200.7, 4131798.5,	34.2,	34.2,	1.5);
(601210.7, 4131798.5,	34.3,	34.3,	1.5);	(601220.7, 4131798.5,	34.4,	34.4,	1.5);

(601230.7, 4131798.5,	34.3,	34.3,	1.5);	(601240.7, 4131798.5,	34.2,	34.2,	1.5);
(601250.7, 4131798.5,	34.1,	34.1,	1.5);	(601260.7, 4131798.5,	34.0,	34.0,	1.5);
(601270.7, 4131798.5,	33.9,	33.9,	1.5);	(601280.7, 4131798.5,	33.9,	33.9,	1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601290.7, 4131798.5,	33.8,	33.8,	1.5);	(601300.7, 4131798.5,	33.7,	33.7,	1.5);
(601330.7, 4131798.5,	33.5,	33.5,	1.5);	(601340.7, 4131798.5,	33.5,	33.5,	1.5);
(601350.7, 4131798.5,	33.4,	33.4,	1.5);	(601360.7, 4131798.5,	33.3,	33.3,	1.5);
(601420.7, 4131798.5,	33.2,	33.2,	1.5);	(601430.7, 4131798.5,	33.2,	33.2,	1.5);
(601440.7, 4131798.5,	33.2,	33.2,	1.5);	(601450.7, 4131798.5,	33.2,	33.2,	1.5);
(601480.7, 4131798.5,	33.2,	33.2,	1.5);	(601490.7, 4131798.5,	33.2,	33.2,	1.5);
(601500.7, 4131798.5,	33.2,	33.2,	1.5);	(601510.7, 4131798.5,	33.2,	33.2,	1.5);
(601520.7, 4131798.5,	33.2,	33.2,	1.5);	(601530.7, 4131798.5,	33.2,	33.2,	1.5);
(601540.7, 4131798.5,	33.2,	33.2,	1.5);	(601580.7, 4131798.5,	32.9,	32.9,	1.5);
(601590.7, 4131798.5,	32.9,	32.9,	1.5);	(601600.7, 4131798.5,	32.9,	32.9,	1.5);
(601610.7, 4131798.5,	32.9,	32.9,	1.5);	(601620.7, 4131798.5,	32.9,	32.9,	1.5);
(601630.7, 4131798.5,	32.9,	32.9,	1.5);	(601640.7, 4131798.5,	32.9,	32.9,	1.5);
(601650.7, 4131798.5,	32.9,	32.9,	1.5);	(601660.7, 4131798.5,	32.9,	32.9,	1.5);
(601670.7, 4131798.5,	32.9,	32.9,	1.5);	(601680.7, 4131798.5,	32.9,	32.9,	1.5);
(601690.7, 4131798.5,	32.9,	32.9,	1.5);	(601190.7, 4131808.5,	34.1,	34.1,	1.5);
(601200.7, 4131808.5,	34.2,	34.2,	1.5);	(601210.7, 4131808.5,	34.2,	34.2,	1.5);
(601220.7, 4131808.5,	34.3,	34.3,	1.5);	(601230.7, 4131808.5,	34.2,	34.2,	1.5);
(601240.7, 4131808.5,	34.1,	34.1,	1.5);	(601250.7, 4131808.5,	34.0,	34.0,	1.5);
(601260.7, 4131808.5,	34.0,	34.0,	1.5);	(601270.7, 4131808.5,	33.9,	33.9,	1.5);
(601280.7, 4131808.5,	33.8,	33.8,	1.5);	(601290.7, 4131808.5,	33.8,	33.8,	1.5);
(601300.7, 4131808.5,	33.7,	33.7,	1.5);	(601310.7, 4131808.5,	33.5,	33.5,	1.5);
(601320.7, 4131808.5,	33.5,	33.5,	1.5);	(601330.7, 4131808.5,	33.5,	33.5,	1.5);
(601340.7, 4131808.5,	33.5,	33.5,	1.5);	(601350.7, 4131808.5,	33.4,	33.4,	1.5);
(601360.7, 4131808.5,	33.3,	33.3,	1.5);	(601370.7, 4131808.5,	33.2,	33.2,	1.5);
(601440.7, 4131808.5,	33.2,	33.2,	1.5);	(601470.7, 4131808.5,	33.2,	33.2,	1.5);
(601480.7, 4131808.5,	33.2,	33.2,	1.5);	(601490.7, 4131808.5,	33.2,	33.2,	1.5);
(601500.7, 4131808.5,	33.2,	33.2,	1.5);	(601510.7, 4131808.5,	33.2,	33.2,	1.5);
(601520.7, 4131808.5,	33.2,	33.2,	1.5);	(601530.7, 4131808.5,	33.2,	33.2,	1.5);
(601540.7, 4131808.5,	33.1,	33.1,	1.5);	(601590.7, 4131808.5,	32.9,	32.9,	1.5);
(601600.7, 4131808.5,	32.9,	32.9,	1.5);	(601610.7, 4131808.5,	32.9,	32.9,	1.5);
(601620.7, 4131808.5,	32.9,	32.9,	1.5);	(601630.7, 4131808.5,	32.9,	32.9,	1.5);
(601640.7, 4131808.5,	32.9,	32.9,	1.5);	(601650.7, 4131808.5,	32.9,	32.9,	1.5);
(601660.7, 4131808.5,	32.9,	32.9,	1.5);	(601670.7, 4131808.5,	32.9,	32.9,	1.5);
(601680.7, 4131808.5,	32.9,	32.9,	1.5);	(601180.7, 4131818.5,	34.0,	34.0,	1.5);
(601190.7, 4131818.5,	34.1,	34.1,	1.5);	(601200.7, 4131818.5,	34.2,	34.2,	1.5);
(601210.7, 4131818.5,	34.2,	34.2,	1.5);	(601220.7, 4131818.5,	34.2,	34.2,	1.5);
(601230.7, 4131818.5,	34.1,	34.1,	1.5);	(601240.7, 4131818.5,	34.0,	34.0,	1.5);
(601250.7, 4131818.5,	33.9,	33.9,	1.5);	(601260.7, 4131818.5,	33.9,	33.9,	1.5);
(601270.7, 4131818.5,	33.9,	33.9,	1.5);	(601280.7, 4131818.5,	33.8,	33.8,	1.5);
(601290.7, 4131818.5,	33.8,	33.8,	1.5);	(601300.7, 4131818.5,	33.7,	33.7,	1.5);
(601310.7, 4131818.5,	33.5,	33.5,	1.5);	(601320.7, 4131818.5,	33.5,	33.5,	1.5);
(601330.7, 4131818.5,	33.5,	33.5,	1.5);	(601340.7, 4131818.5,	33.5,	33.5,	1.5);

(601350.7, 4131818.5,	33.4,	33.4,	1.5);	(601360.7, 4131818.5,	33.3,	33.3,	1.5);
(601370.7, 4131818.5,	33.2,	33.2,	1.5);	(601380.7, 4131818.5,	33.2,	33.2,	1.5);
(601460.7, 4131818.5,	33.2,	33.2,	1.5);	(601470.7, 4131818.5,	33.2,	33.2,	1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601480.7, 4131818.5,	33.2,	33.2,	1.5);	(601490.7, 4131818.5,	33.2,	33.2,	1.5);
(601500.7, 4131818.5,	33.2,	33.2,	1.5);	(601510.7, 4131818.5,	33.2,	33.2,	1.5);
(601520.7, 4131818.5,	33.2,	33.2,	1.5);	(601530.7, 4131818.5,	33.2,	33.2,	1.5);
(601540.7, 4131818.5,	33.1,	33.1,	1.5);	(601550.7, 4131818.5,	33.0,	33.0,	1.5);
(601590.7, 4131818.5,	32.9,	32.9,	1.5);	(601600.7, 4131818.5,	32.9,	32.9,	1.5);
(601610.7, 4131818.5,	32.9,	32.9,	1.5);	(601620.7, 4131818.5,	32.9,	32.9,	1.5);
(601630.7, 4131818.5,	32.9,	32.9,	1.5);	(601640.7, 4131818.5,	32.9,	32.9,	1.5);
(601650.7, 4131818.5,	32.9,	32.9,	1.5);	(601660.7, 4131818.5,	32.9,	32.9,	1.5);
(601670.7, 4131818.5,	32.9,	32.9,	1.5);	(601680.7, 4131818.5,	32.9,	32.9,	1.5);
(601170.7, 4131828.5,	33.9,	33.9,	1.5);	(601180.7, 4131828.5,	34.0,	34.0,	1.5);
(601190.7, 4131828.5,	34.1,	34.1,	1.5);	(601200.7, 4131828.5,	34.1,	34.1,	1.5);
(601210.7, 4131828.5,	34.1,	34.1,	1.5);	(601220.7, 4131828.5,	34.1,	34.1,	1.5);
(601230.7, 4131828.5,	34.0,	34.0,	1.5);	(601240.7, 4131828.5,	33.9,	33.9,	1.5);
(601250.7, 4131828.5,	33.9,	33.9,	1.5);	(601260.7, 4131828.5,	33.8,	33.8,	1.5);
(601270.7, 4131828.5,	33.8,	33.8,	1.5);	(601280.7, 4131828.5,	33.8,	33.8,	1.5);
(601290.7, 4131828.5,	33.7,	33.7,	1.5);	(601300.7, 4131828.5,	33.6,	33.6,	1.5);
(601310.7, 4131828.5,	33.5,	33.5,	1.5);	(601320.7, 4131828.5,	33.5,	33.5,	1.5);
(601330.7, 4131828.5,	33.5,	33.5,	1.5);	(601340.7, 4131828.5,	33.5,	33.5,	1.5);
(601350.7, 4131828.5,	33.4,	33.4,	1.5);	(601360.7, 4131828.5,	33.3,	33.3,	1.5);
(601370.7, 4131828.5,	33.2,	33.2,	1.5);	(601380.7, 4131828.5,	33.2,	33.2,	1.5);
(601390.7, 4131828.5,	33.2,	33.2,	1.5);	(601460.7, 4131828.5,	33.2,	33.2,	1.5);
(601470.7, 4131828.5,	33.2,	33.2,	1.5);	(601480.7, 4131828.5,	33.2,	33.2,	1.5);
(601490.7, 4131828.5,	33.2,	33.2,	1.5);	(601500.7, 4131828.5,	33.2,	33.2,	1.5);
(601510.7, 4131828.5,	33.2,	33.2,	1.5);	(601520.7, 4131828.5,	33.2,	33.2,	1.5);
(601530.7, 4131828.5,	33.1,	33.1,	1.5);	(601540.7, 4131828.5,	33.0,	33.0,	1.5);
(601550.7, 4131828.5,	32.9,	32.9,	1.5);	(601590.7, 4131828.5,	32.9,	32.9,	1.5);
(601600.7, 4131828.5,	32.9,	32.9,	1.5);	(601610.7, 4131828.5,	32.9,	32.9,	1.5);
(601620.7, 4131828.5,	32.9,	32.9,	1.5);	(601630.7, 4131828.5,	32.9,	32.9,	1.5);
(601640.7, 4131828.5,	32.9,	32.9,	1.5);	(601650.7, 4131828.5,	32.9,	32.9,	1.5);
(601660.7, 4131828.5,	32.9,	32.9,	1.5);	(601670.7, 4131828.5,	32.9,	32.9,	1.5);
(601680.7, 4131828.5,	32.9,	32.9,	1.5);	(601160.7, 4131838.5,	33.9,	33.9,	1.5);
(601170.7, 4131838.5,	34.0,	34.0,	1.5);	(601180.7, 4131838.5,	34.0,	34.0,	1.5);
(601190.7, 4131838.5,	34.0,	34.0,	1.5);	(601200.7, 4131838.5,	34.0,	34.0,	1.5);
(601210.7, 4131838.5,	34.0,	34.0,	1.5);	(601220.7, 4131838.5,	34.0,	34.0,	1.5);
(601230.7, 4131838.5,	34.0,	34.0,	1.5);	(601240.7, 4131838.5,	33.9,	33.9,	1.5);
(601250.7, 4131838.5,	33.8,	33.8,	1.5);	(601260.7, 4131838.5,	33.8,	33.8,	1.5);
(601270.7, 4131838.5,	33.8,	33.8,	1.5);	(601280.7, 4131838.5,	33.7,	33.7,	1.5);
(601290.7, 4131838.5,	33.7,	33.7,	1.5);	(601300.7, 4131838.5,	33.6,	33.6,	1.5);
(601310.7, 4131838.5,	33.5,	33.5,	1.5);	(601320.7, 4131838.5,	33.5,	33.5,	1.5);
(601330.7, 4131838.5,	33.5,	33.5,	1.5);	(601340.7, 4131838.5,	33.4,	33.4,	1.5);
(601350.7, 4131838.5,	33.4,	33.4,	1.5);	(601360.7, 4131838.5,	33.3,	33.3,	1.5);
(601370.7, 4131838.5,	33.2,	33.2,	1.5);	(601380.7, 4131838.5,	33.2,	33.2,	1.5);

(601390.7, 4131838.5,	33.2,	33.2,	1.5);	(601400.7, 4131838.5,	33.2,	33.2,	1.5);
(601460.7, 4131838.5,	33.2,	33.2,	1.5);	(601470.7, 4131838.5,	33.2,	33.2,	1.5);
(601480.7, 4131838.5,	33.1,	33.1,	1.5);	(601490.7, 4131838.5,	33.1,	33.1,	1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601500.7, 4131838.5,	33.1,	33.1,	1.5);	(601510.7, 4131838.5,	33.1,	33.1,	1.5);
(601520.7, 4131838.5,	33.1,	33.1,	1.5);	(601530.7, 4131838.5,	33.1,	33.1,	1.5);
(601540.7, 4131838.5,	33.0,	33.0,	1.5);	(601550.7, 4131838.5,	32.9,	32.9,	1.5);
(601560.7, 4131838.5,	32.9,	32.9,	1.5);	(601590.7, 4131838.5,	32.9,	32.9,	1.5);
(601600.7, 4131838.5,	32.9,	32.9,	1.5);	(601620.7, 4131838.5,	32.9,	32.9,	1.5);
(601630.7, 4131838.5,	32.9,	32.9,	1.5);	(601640.7, 4131838.5,	32.9,	32.9,	1.5);
(601650.7, 4131838.5,	32.9,	32.9,	1.5);	(601660.7, 4131838.5,	32.9,	32.9,	1.5);
(601670.7, 4131838.5,	32.9,	32.9,	1.5);	(601160.7, 4131848.5,	34.0,	34.0,	1.5);
(601170.7, 4131848.5,	34.0,	34.0,	1.5);	(601180.7, 4131848.5,	34.0,	34.0,	1.5);
(601190.7, 4131848.5,	33.9,	33.9,	1.5);	(601200.7, 4131848.5,	33.9,	33.9,	1.5);
(601210.7, 4131848.5,	33.9,	33.9,	1.5);	(601220.7, 4131848.5,	33.9,	33.9,	1.5);
(601230.7, 4131848.5,	33.9,	33.9,	1.5);	(601240.7, 4131848.5,	33.9,	33.9,	1.5);
(601250.7, 4131848.5,	33.8,	33.8,	1.5);	(601260.7, 4131848.5,	33.8,	33.8,	1.5);
(601270.7, 4131848.5,	33.7,	33.7,	1.5);	(601280.7, 4131848.5,	33.6,	33.6,	1.5);
(601290.7, 4131848.5,	33.6,	33.6,	1.5);	(601300.7, 4131848.5,	33.6,	33.6,	1.5);
(601310.7, 4131848.5,	33.5,	33.5,	1.5);	(601320.7, 4131848.5,	33.5,	33.5,	1.5);
(601330.7, 4131848.5,	33.4,	33.4,	1.5);	(601340.7, 4131848.5,	33.3,	33.3,	1.5);
(601350.7, 4131848.5,	33.3,	33.3,	1.5);	(601360.7, 4131848.5,	33.3,	33.3,	1.5);
(601370.7, 4131848.5,	33.2,	33.2,	1.5);	(601380.7, 4131848.5,	33.2,	33.2,	1.5);
(601390.7, 4131848.5,	33.2,	33.2,	1.5);	(601400.7, 4131848.5,	33.2,	33.2,	1.5);
(601410.7, 4131848.5,	33.2,	33.2,	1.5);	(601440.7, 4131848.5,	33.2,	33.2,	1.5);
(601450.7, 4131848.5,	33.2,	33.2,	1.5);	(601460.7, 4131848.5,	33.2,	33.2,	1.5);
(601470.7, 4131848.5,	33.2,	33.2,	1.5);	(601480.7, 4131848.5,	33.1,	33.1,	1.5);
(601490.7, 4131848.5,	33.0,	33.0,	1.5);	(601500.7, 4131848.5,	33.0,	33.0,	1.5);
(601510.7, 4131848.5,	33.0,	33.0,	1.5);	(601520.7, 4131848.5,	33.0,	33.0,	1.5);
(601530.7, 4131848.5,	33.0,	33.0,	1.5);	(601540.7, 4131848.5,	32.9,	32.9,	1.5);
(601550.7, 4131848.5,	32.9,	32.9,	1.5);	(601590.7, 4131848.5,	32.9,	32.9,	1.5);
(601600.7, 4131848.5,	32.9,	32.9,	1.5);	(601610.7, 4131848.5,	32.9,	32.9,	1.5);
(601620.7, 4131848.5,	32.9,	32.9,	1.5);	(601630.7, 4131848.5,	32.9,	32.9,	1.5);
(601640.7, 4131848.5,	32.9,	32.9,	1.5);	(601650.7, 4131848.5,	32.9,	32.9,	1.5);
(601660.7, 4131848.5,	32.9,	32.9,	1.5);	(601670.7, 4131848.5,	32.9,	32.9,	1.5);
(601170.7, 4131858.5,	34.0,	34.0,	1.5);	(601180.7, 4131858.5,	33.9,	33.9,	1.5);
(601190.7, 4131858.5,	33.9,	33.9,	1.5);	(601200.7, 4131858.5,	33.8,	33.8,	1.5);
(601210.7, 4131858.5,	33.8,	33.8,	1.5);	(601220.7, 4131858.5,	33.8,	33.8,	1.5);
(601230.7, 4131858.5,	33.8,	33.8,	1.5);	(601240.7, 4131858.5,	33.8,	33.8,	1.5);
(601250.7, 4131858.5,	33.8,	33.8,	1.5);	(601260.7, 4131858.5,	33.7,	33.7,	1.5);
(601270.7, 4131858.5,	33.6,	33.6,	1.5);	(601280.7, 4131858.5,	33.5,	33.5,	1.5);
(601290.7, 4131858.5,	33.5,	33.5,	1.5);	(601300.7, 4131858.5,	33.5,	33.5,	1.5);
(601310.7, 4131858.5,	33.5,	33.5,	1.5);	(601320.7, 4131858.5,	33.4,	33.4,	1.5);
(601330.7, 4131858.5,	33.3,	33.3,	1.5);	(601340.7, 4131858.5,	33.2,	33.2,	1.5);
(601350.7, 4131858.5,	33.2,	33.2,	1.5);	(601360.7, 4131858.5,	33.2,	33.2,	1.5);
(601370.7, 4131858.5,	33.2,	33.2,	1.5);	(601380.7, 4131858.5,	33.2,	33.2,	1.5);

(601390.7, 4131858.5,	33.2,	33.2,	1.5);	(601400.7, 4131858.5,	33.2,	33.2,	1.5);
(601440.7, 4131858.5,	33.2,	33.2,	1.5);	(601450.7, 4131858.5,	33.2,	33.2,	1.5);
(601460.7, 4131858.5,	33.2,	33.2,	1.5);	(601470.7, 4131858.5,	33.1,	33.1,	1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601480.7, 4131858.5,	33.0,	33.0,	1.5);	(601490.7, 4131858.5,	32.9,	32.9,	1.5);
(601500.7, 4131858.5,	32.9,	32.9,	1.5);	(601510.7, 4131858.5,	32.9,	32.9,	1.5);
(601520.7, 4131858.5,	32.9,	32.9,	1.5);	(601530.7, 4131858.5,	32.9,	32.9,	1.5);
(601540.7, 4131858.5,	32.9,	32.9,	1.5);	(601550.7, 4131858.5,	32.9,	32.9,	1.5);
(601580.7, 4131858.5,	32.9,	32.9,	1.5);	(601590.7, 4131858.5,	32.9,	32.9,	1.5);
(601600.7, 4131858.5,	32.9,	32.9,	1.5);	(601610.7, 4131858.5,	32.9,	32.9,	1.5);
(601620.7, 4131858.5,	32.9,	32.9,	1.5);	(601630.7, 4131858.5,	32.9,	32.9,	1.5);
(601640.7, 4131858.5,	32.9,	32.9,	1.5);	(601650.7, 4131858.5,	32.9,	32.9,	1.5);
(601660.7, 4131858.5,	32.9,	32.9,	1.5);	(601140.7, 4131868.5,	34.0,	34.0,	1.5);
(601150.7, 4131868.5,	34.0,	34.0,	1.5);	(601160.7, 4131868.5,	34.0,	34.0,	1.5);
(601190.7, 4131868.5,	33.8,	33.8,	1.5);	(601200.7, 4131868.5,	33.8,	33.8,	1.5);
(601210.7, 4131868.5,	33.8,	33.8,	1.5);	(601220.7, 4131868.5,	33.8,	33.8,	1.5);
(601230.7, 4131868.5,	33.8,	33.8,	1.5);	(601240.7, 4131868.5,	33.8,	33.8,	1.5);
(601250.7, 4131868.5,	33.7,	33.7,	1.5);	(601260.7, 4131868.5,	33.7,	33.7,	1.5);
(601290.7, 4131868.5,	33.5,	33.5,	1.5);	(601300.7, 4131868.5,	33.5,	33.5,	1.5);
(601310.7, 4131868.5,	33.4,	33.4,	1.5);	(601320.7, 4131868.5,	33.4,	33.4,	1.5);
(601330.7, 4131868.5,	33.3,	33.3,	1.5);	(601340.7, 4131868.5,	33.2,	33.2,	1.5);
(601350.7, 4131868.5,	33.2,	33.2,	1.5);	(601360.7, 4131868.5,	33.2,	33.2,	1.5);
(601370.7, 4131868.5,	33.2,	33.2,	1.5);	(601380.7, 4131868.5,	33.2,	33.2,	1.5);
(601390.7, 4131868.5,	33.2,	33.2,	1.5);	(601430.7, 4131868.5,	33.1,	33.1,	1.5);
(601440.7, 4131868.5,	33.1,	33.1,	1.5);	(601450.7, 4131868.5,	33.1,	33.1,	1.5);
(601460.7, 4131868.5,	33.1,	33.1,	1.5);	(601470.7, 4131868.5,	33.1,	33.1,	1.5);
(601480.7, 4131868.5,	33.0,	33.0,	1.5);	(601490.7, 4131868.5,	32.9,	32.9,	1.5);
(601500.7, 4131868.5,	32.9,	32.9,	1.5);	(601510.7, 4131868.5,	32.9,	32.9,	1.5);
(601520.7, 4131868.5,	32.9,	32.9,	1.5);	(601530.7, 4131868.5,	32.9,	32.9,	1.5);
(601540.7, 4131868.5,	32.9,	32.9,	1.5);	(601580.7, 4131868.5,	32.9,	32.9,	1.5);
(601590.7, 4131868.5,	32.9,	32.9,	1.5);	(601600.7, 4131868.5,	32.9,	32.9,	1.5);
(601610.7, 4131868.5,	32.9,	32.9,	1.5);	(601620.7, 4131868.5,	32.9,	32.9,	1.5);
(601630.7, 4131868.5,	32.9,	32.9,	1.5);	(601640.7, 4131868.5,	32.9,	32.9,	1.5);
(601650.7, 4131868.5,	32.9,	32.9,	1.5);	(601660.7, 4131868.5,	32.8,	32.8,	1.5);
(601150.7, 4131878.5,	34.0,	34.0,	1.5);	(601160.7, 4131878.5,	33.9,	33.9,	1.5);
(601200.7, 4131878.5,	33.8,	33.8,	1.5);	(601210.7, 4131878.5,	33.8,	33.8,	1.5);
(601220.7, 4131878.5,	33.8,	33.8,	1.5);	(601230.7, 4131878.5,	33.8,	33.8,	1.5);
(601240.7, 4131878.5,	33.7,	33.7,	1.5);	(601250.7, 4131878.5,	33.6,	33.6,	1.5);
(601300.7, 4131878.5,	33.4,	33.4,	1.5);	(601310.7, 4131878.5,	33.3,	33.3,	1.5);
(601320.7, 4131878.5,	33.3,	33.3,	1.5);	(601330.7, 4131878.5,	33.3,	33.3,	1.5);
(601340.7, 4131878.5,	33.2,	33.2,	1.5);	(601350.7, 4131878.5,	33.2,	33.2,	1.5);
(601360.7, 4131878.5,	33.2,	33.2,	1.5);	(601370.7, 4131878.5,	33.2,	33.2,	1.5);
(601380.7, 4131878.5,	33.2,	33.2,	1.5);	(601430.7, 4131878.5,	33.0,	33.0,	1.5);
(601440.7, 4131878.5,	33.0,	33.0,	1.5);	(601450.7, 4131878.5,	33.0,	33.0,	1.5);
(601460.7, 4131878.5,	33.0,	33.0,	1.5);	(601470.7, 4131878.5,	33.0,	33.0,	1.5);
(601480.7, 4131878.5,	32.9,	32.9,	1.5);	(601490.7, 4131878.5,	32.9,	32.9,	1.5);

(601500.7, 4131878.5,	32.9,	32.9,	1.5);	(601510.7, 4131878.5,	32.9,	32.9,	1.5);
(601520.7, 4131878.5,	32.9,	32.9,	1.5);	(601530.7, 4131878.5,	32.9,	32.9,	1.5);
(601570.7, 4131878.5,	32.9,	32.9,	1.5);	(601580.7, 4131878.5,	32.9,	32.9,	1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601590.7, 4131878.5,	32.9,	32.9,	1.5);	(601600.7, 4131878.5,	32.9,	32.9,	1.5);
(601610.7, 4131878.5,	32.9,	32.9,	1.5);	(601620.7, 4131878.5,	32.9,	32.9,	1.5);
(601630.7, 4131878.5,	32.9,	32.9,	1.5);	(601640.7, 4131878.5,	32.9,	32.9,	1.5);
(601650.7, 4131878.5,	32.9,	32.9,	1.5);	(601660.7, 4131878.5,	32.8,	32.8,	1.5);
(601160.7, 4131888.5,	33.9,	33.9,	1.5);	(601170.7, 4131888.5,	33.8,	33.8,	1.5);
(601180.7, 4131888.5,	33.8,	33.8,	1.5);	(601210.7, 4131888.5,	33.8,	33.8,	1.5);
(601220.7, 4131888.5,	33.8,	33.8,	1.5);	(601230.7, 4131888.5,	33.7,	33.7,	1.5);
(601240.7, 4131888.5,	33.6,	33.6,	1.5);	(601300.7, 4131888.5,	33.3,	33.3,	1.5);
(601310.7, 4131888.5,	33.2,	33.2,	1.5);	(601320.7, 4131888.5,	33.2,	33.2,	1.5);
(601330.7, 4131888.5,	33.2,	33.2,	1.5);	(601340.7, 4131888.5,	33.2,	33.2,	1.5);
(601350.7, 4131888.5,	33.2,	33.2,	1.5);	(601360.7, 4131888.5,	33.2,	33.2,	1.5);
(601370.7, 4131888.5,	33.2,	33.2,	1.5);	(601380.7, 4131888.5,	33.2,	33.2,	1.5);
(601420.7, 4131888.5,	33.0,	33.0,	1.5);	(601430.7, 4131888.5,	32.9,	32.9,	1.5);
(601440.7, 4131888.5,	32.9,	32.9,	1.5);	(601450.7, 4131888.5,	32.9,	32.9,	1.5);
(601460.7, 4131888.5,	32.9,	32.9,	1.5);	(601470.7, 4131888.5,	32.9,	32.9,	1.5);
(601480.7, 4131888.5,	32.9,	32.9,	1.5);	(601490.7, 4131888.5,	32.9,	32.9,	1.5);
(601500.7, 4131888.5,	32.9,	32.9,	1.5);	(601510.7, 4131888.5,	32.9,	32.9,	1.5);
(601520.7, 4131888.5,	32.9,	32.9,	1.5);	(601560.7, 4131888.5,	32.9,	32.9,	1.5);
(601570.7, 4131888.5,	32.9,	32.9,	1.5);	(601580.7, 4131888.5,	32.9,	32.9,	1.5);
(601590.7, 4131888.5,	32.9,	32.9,	1.5);	(601600.7, 4131888.5,	32.9,	32.9,	1.5);
(601610.7, 4131888.5,	32.9,	32.9,	1.5);	(601620.7, 4131888.5,	32.9,	32.9,	1.5);
(601630.7, 4131888.5,	32.9,	32.9,	1.5);	(601170.7, 4131898.5,	33.8,	33.8,	1.5);
(601180.7, 4131898.5,	33.8,	33.8,	1.5);	(601190.7, 4131898.5,	33.7,	33.7,	1.5);
(601220.7, 4131898.5,	33.7,	33.7,	1.5);	(601230.7, 4131898.5,	33.7,	33.7,	1.5);
(601310.7, 4131898.5,	33.2,	33.2,	1.5);	(601320.7, 4131898.5,	33.2,	33.2,	1.5);
(601330.7, 4131898.5,	33.2,	33.2,	1.5);	(601340.7, 4131898.5,	33.2,	33.2,	1.5);
(601350.7, 4131898.5,	33.2,	33.2,	1.5);	(601360.7, 4131898.5,	33.1,	33.1,	1.5);
(601370.7, 4131898.5,	33.1,	33.1,	1.5);	(601410.7, 4131898.5,	33.1,	33.1,	1.5);
(601420.7, 4131898.5,	33.0,	33.0,	1.5);	(601430.7, 4131898.5,	32.9,	32.9,	1.5);
(601440.7, 4131898.5,	32.9,	32.9,	1.5);	(601450.7, 4131898.5,	32.9,	32.9,	1.5);
(601460.7, 4131898.5,	32.9,	32.9,	1.5);	(601470.7, 4131898.5,	32.9,	32.9,	1.5);
(601480.7, 4131898.5,	32.9,	32.9,	1.5);	(601490.7, 4131898.5,	32.9,	32.9,	1.5);
(601500.7, 4131898.5,	32.9,	32.9,	1.5);	(601510.7, 4131898.5,	32.9,	32.9,	1.5);
(601560.7, 4131898.5,	32.9,	32.9,	1.5);	(601570.7, 4131898.5,	32.9,	32.9,	1.5);
(601580.7, 4131898.5,	32.9,	32.9,	1.5);	(601590.7, 4131898.5,	32.9,	32.9,	1.5);
(601600.7, 4131898.5,	32.9,	32.9,	1.5);	(601610.7, 4131898.5,	32.9,	32.9,	1.5);
(601620.7, 4131898.5,	32.9,	32.9,	1.5);	(601630.7, 4131898.5,	32.8,	32.8,	1.5);
(601180.7, 4131908.5,	33.7,	33.7,	1.5);	(601190.7, 4131908.5,	33.6,	33.6,	1.5);
(601200.7, 4131908.5,	33.6,	33.6,	1.5);	(601220.7, 4131908.5,	33.6,	33.6,	1.5);
(601230.7, 4131908.5,	33.6,	33.6,	1.5);	(601320.7, 4131908.5,	33.2,	33.2,	1.5);
(601330.7, 4131908.5,	33.2,	33.2,	1.5);	(601340.7, 4131908.5,	33.2,	33.2,	1.5);
(601350.7, 4131908.5,	33.2,	33.2,	1.5);	(601360.7, 4131908.5,	33.1,	33.1,	1.5);

(601400.7, 4131908.5, 33.0, 33.0, 1.5);
(601420.7, 4131908.5, 32.9, 32.9, 1.5);
(601440.7, 4131908.5, 32.9, 32.9, 1.5);

(601410.7, 4131908.5, 33.0, 33.0, 1.5);
(601430.7, 4131908.5, 32.9, 32.9, 1.5);
(601450.7, 4131908.5, 32.9, 32.9, 1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601460.7, 4131908.5,	32.9,	32.9,	1.5);	(601470.7, 4131908.5,	32.9,	32.9,	1.5);
(601480.7, 4131908.5,	32.9,	32.9,	1.5);	(601490.7, 4131908.5,	32.9,	32.9,	1.5);
(601500.7, 4131908.5,	32.9,	32.9,	1.5);	(601510.7, 4131908.5,	32.9,	32.9,	1.5);
(601560.7, 4131908.5,	32.9,	32.9,	1.5);	(601570.7, 4131908.5,	32.9,	32.9,	1.5);
(601580.7, 4131908.5,	32.9,	32.9,	1.5);	(601590.7, 4131908.5,	32.9,	32.9,	1.5);
(601600.7, 4131908.5,	32.9,	32.9,	1.5);	(601610.7, 4131908.5,	32.9,	32.9,	1.5);
(601620.7, 4131908.5,	32.9,	32.9,	1.5);	(601630.7, 4131908.5,	32.8,	32.8,	1.5);
(601190.7, 4131918.5,	33.5,	33.5,	1.5);	(601200.7, 4131918.5,	33.5,	33.5,	1.5);
(601330.7, 4131918.5,	33.2,	33.2,	1.5);	(601340.7, 4131918.5,	33.2,	33.2,	1.5);
(601350.7, 4131918.5,	33.1,	33.1,	1.5);	(601390.7, 4131918.5,	32.9,	32.9,	1.5);
(601400.7, 4131918.5,	32.9,	32.9,	1.5);	(601410.7, 4131918.5,	32.9,	32.9,	1.5);
(601420.7, 4131918.5,	32.9,	32.9,	1.5);	(601430.7, 4131918.5,	32.9,	32.9,	1.5);
(601440.7, 4131918.5,	32.9,	32.9,	1.5);	(601450.7, 4131918.5,	32.9,	32.9,	1.5);
(601460.7, 4131918.5,	32.9,	32.9,	1.5);	(601470.7, 4131918.5,	32.9,	32.9,	1.5);
(601480.7, 4131918.5,	32.9,	32.9,	1.5);	(601490.7, 4131918.5,	32.9,	32.9,	1.5);
(601500.7, 4131918.5,	32.9,	32.9,	1.5);	(601510.7, 4131918.5,	32.9,	32.9,	1.5);
(601520.7, 4131918.5,	32.9,	32.9,	1.5);	(601570.7, 4131918.5,	32.9,	32.9,	1.5);
(601580.7, 4131918.5,	32.9,	32.9,	1.5);	(601590.7, 4131918.5,	32.9,	32.9,	1.5);
(601600.7, 4131918.5,	32.9,	32.9,	1.5);	(601610.7, 4131918.5,	32.9,	32.9,	1.5);
(601620.7, 4131918.5,	32.8,	32.8,	1.5);	(601630.7, 4131918.5,	32.7,	32.7,	1.5);
(601340.7, 4131928.5,	33.1,	33.1,	1.5);	(601390.7, 4131928.5,	32.9,	32.9,	1.5);
(601400.7, 4131928.5,	32.9,	32.9,	1.5);	(601410.7, 4131928.5,	32.9,	32.9,	1.5);
(601420.7, 4131928.5,	32.9,	32.9,	1.5);	(601430.7, 4131928.5,	32.9,	32.9,	1.5);
(601440.7, 4131928.5,	32.9,	32.9,	1.5);	(601450.7, 4131928.5,	32.9,	32.9,	1.5);
(601460.7, 4131928.5,	32.9,	32.9,	1.5);	(601470.7, 4131928.5,	32.9,	32.9,	1.5);
(601480.7, 4131928.5,	32.8,	32.8,	1.5);	(601490.7, 4131928.5,	32.8,	32.8,	1.5);
(601500.7, 4131928.5,	32.8,	32.8,	1.5);	(601510.7, 4131928.5,	32.8,	32.8,	1.5);
(601520.7, 4131928.5,	32.8,	32.8,	1.5);	(601530.7, 4131928.5,	32.8,	32.8,	1.5);
(601580.7, 4131928.5,	32.8,	32.8,	1.5);	(601590.7, 4131928.5,	32.8,	32.8,	1.5);
(601600.7, 4131928.5,	32.8,	32.8,	1.5);	(601610.7, 4131928.5,	32.8,	32.8,	1.5);
(601620.7, 4131928.5,	32.8,	32.8,	1.5);	(601380.7, 4131938.5,	32.9,	32.9,	1.5);
(601390.7, 4131938.5,	32.9,	32.9,	1.5);	(601400.7, 4131938.5,	32.9,	32.9,	1.5);
(601410.7, 4131938.5,	32.9,	32.9,	1.5);	(601420.7, 4131938.5,	32.9,	32.9,	1.5);
(601430.7, 4131938.5,	32.9,	32.9,	1.5);	(601440.7, 4131938.5,	32.9,	32.9,	1.5);
(601450.7, 4131938.5,	32.9,	32.9,	1.5);	(601460.7, 4131938.5,	32.9,	32.9,	1.5);
(601470.7, 4131938.5,	32.9,	32.9,	1.5);	(601480.7, 4131938.5,	32.8,	32.8,	1.5);
(601490.7, 4131938.5,	32.7,	32.7,	1.5);	(601500.7, 4131938.5,	32.7,	32.7,	1.5);
(601510.7, 4131938.5,	32.7,	32.7,	1.5);	(601520.7, 4131938.5,	32.7,	32.7,	1.5);
(601530.7, 4131938.5,	32.7,	32.7,	1.5);	(601540.7, 4131938.5,	32.7,	32.7,	1.5);
(601550.7, 4131938.5,	32.7,	32.7,	1.5);	(601590.7, 4131938.5,	32.7,	32.7,	1.5);
(601600.7, 4131938.5,	32.7,	32.7,	1.5);	(601610.7, 4131938.5,	32.7,	32.7,	1.5);
(601620.7, 4131938.5,	32.7,	32.7,	1.5);	(601370.7, 4131948.5,	32.9,	32.9,	1.5);

(601380.7, 4131948.5, 32.9, 32.9, 1.5);
(601400.7, 4131948.5, 32.9, 32.9, 1.5);
(601420.7, 4131948.5, 32.9, 32.9, 1.5);

(601390.7, 4131948.5, 32.9, 32.9, 1.5);
(601410.7, 4131948.5, 32.9, 32.9, 1.5);
(601430.7, 4131948.5, 32.9, 32.9, 1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601440.7, 4131948.5,	32.9,	32.9,	1.5);	(601450.7, 4131948.5,	32.9,	32.9,	1.5);
(601460.7, 4131948.5,	32.9,	32.9,	1.5);	(601470.7, 4131948.5,	32.8,	32.8,	1.5);
(601480.7, 4131948.5,	32.7,	32.7,	1.5);	(601490.7, 4131948.5,	32.6,	32.6,	1.5);
(601500.7, 4131948.5,	32.6,	32.6,	1.5);	(601510.7, 4131948.5,	32.6,	32.6,	1.5);
(601520.7, 4131948.5,	32.6,	32.6,	1.5);	(601530.7, 4131948.5,	32.6,	32.6,	1.5);
(601540.7, 4131948.5,	32.6,	32.6,	1.5);	(601550.7, 4131948.5,	32.6,	32.6,	1.5);
(601560.7, 4131948.5,	32.6,	32.6,	1.5);	(601600.7, 4131948.5,	32.6,	32.6,	1.5);
(601610.7, 4131948.5,	32.6,	32.6,	1.5);	(601360.7, 4131958.5,	32.9,	32.9,	1.5);
(601370.7, 4131958.5,	32.9,	32.9,	1.5);	(601380.7, 4131958.5,	32.9,	32.9,	1.5);
(601390.7, 4131958.5,	32.9,	32.9,	1.5);	(601400.7, 4131958.5,	32.9,	32.9,	1.5);
(601410.7, 4131958.5,	32.9,	32.9,	1.5);	(601420.7, 4131958.5,	32.9,	32.9,	1.5);
(601430.7, 4131958.5,	32.9,	32.9,	1.5);	(601440.7, 4131958.5,	32.9,	32.9,	1.5);
(601450.7, 4131958.5,	32.8,	32.8,	1.5);	(601460.7, 4131958.5,	32.8,	32.8,	1.5);
(601470.7, 4131958.5,	32.8,	32.8,	1.5);	(601480.7, 4131958.5,	32.7,	32.7,	1.5);
(601490.7, 4131958.5,	32.6,	32.6,	1.5);	(601500.7, 4131958.5,	32.6,	32.6,	1.5);
(601510.7, 4131958.5,	32.6,	32.6,	1.5);	(601520.7, 4131958.5,	32.6,	32.6,	1.5);
(601530.7, 4131958.5,	32.6,	32.6,	1.5);	(601540.7, 4131958.5,	32.6,	32.6,	1.5);
(601550.7, 4131958.5,	32.6,	32.6,	1.5);	(601560.7, 4131958.5,	32.6,	32.6,	1.5);
(601570.7, 4131958.5,	32.6,	32.6,	1.5);	(601360.7, 4131968.5,	32.9,	32.9,	1.5);
(601370.7, 4131968.5,	32.9,	32.9,	1.5);	(601380.7, 4131968.5,	32.9,	32.9,	1.5);
(601390.7, 4131968.5,	32.9,	32.9,	1.5);	(601400.7, 4131968.5,	32.9,	32.9,	1.5);
(601410.7, 4131968.5,	32.9,	32.9,	1.5);	(601420.7, 4131968.5,	32.9,	32.9,	1.5);
(601430.7, 4131968.5,	32.9,	32.9,	1.5);	(601440.7, 4131968.5,	32.9,	32.9,	1.5);
(601450.7, 4131968.5,	32.8,	32.8,	1.5);	(601460.7, 4131968.5,	32.7,	32.7,	1.5);
(601470.7, 4131968.5,	32.7,	32.7,	1.5);	(601480.7, 4131968.5,	32.6,	32.6,	1.5);
(601490.7, 4131968.5,	32.6,	32.6,	1.5);	(601500.7, 4131968.5,	32.6,	32.6,	1.5);
(601510.7, 4131968.5,	32.6,	32.6,	1.5);	(601520.7, 4131968.5,	32.6,	32.6,	1.5);
(601530.7, 4131968.5,	32.6,	32.6,	1.5);	(601540.7, 4131968.5,	32.6,	32.6,	1.5);
(601550.7, 4131968.5,	32.6,	32.6,	1.5);	(601560.7, 4131968.5,	32.6,	32.6,	1.5);
(601570.7, 4131968.5,	32.6,	32.6,	1.5);	(601580.7, 4131968.5,	32.6,	32.6,	1.5);
(601590.7, 4131968.5,	32.6,	32.6,	1.5);	(601390.7, 4131978.5,	32.9,	32.9,	1.5);
(601400.7, 4131978.5,	32.9,	32.9,	1.5);	(601410.7, 4131978.5,	32.9,	32.9,	1.5);
(601420.7, 4131978.5,	32.9,	32.9,	1.5);	(601430.7, 4131978.5,	32.9,	32.9,	1.5);
(601440.7, 4131978.5,	32.8,	32.8,	1.5);	(601450.7, 4131978.5,	32.7,	32.7,	1.5);
(601460.7, 4131978.5,	32.6,	32.6,	1.5);	(601470.7, 4131978.5,	32.6,	32.6,	1.5);
(601480.7, 4131978.5,	32.6,	32.6,	1.5);	(601490.7, 4131978.5,	32.6,	32.6,	1.5);
(601500.7, 4131978.5,	32.6,	32.6,	1.5);	(601510.7, 4131978.5,	32.6,	32.6,	1.5);
(601520.7, 4131978.5,	32.6,	32.6,	1.5);	(601530.7, 4131978.5,	32.6,	32.6,	1.5);
(601540.7, 4131978.5,	32.6,	32.6,	1.5);	(601550.7, 4131978.5,	32.6,	32.6,	1.5);
(601560.7, 4131978.5,	32.6,	32.6,	1.5);	(601570.7, 4131978.5,	32.6,	32.6,	1.5);
(601580.7, 4131978.5,	32.6,	32.6,	1.5);	(601390.7, 4131988.5,	32.8,	32.8,	1.5);
(601400.7, 4131988.5,	32.8,	32.8,	1.5);	(601410.7, 4131988.5,	32.8,	32.8,	1.5);

(601420.7, 4131988.5, 32.8, 32.8, 1.5);
(601440.7, 4131988.5, 32.8, 32.8, 1.5);
(601460.7, 4131988.5, 32.6, 32.6, 1.5);

(601430.7, 4131988.5, 32.8, 32.8, 1.5);
(601450.7, 4131988.5, 32.7, 32.7, 1.5);
(601470.7, 4131988.5, 32.6, 32.6, 1.5);

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601480.7, 4131988.5,	32.6,	32.6,	1.5);	(601490.7, 4131988.5,	32.6,	32.6,	1.5);
(601500.7, 4131988.5,	32.6,	32.6,	1.5);	(601510.7, 4131988.5,	32.6,	32.6,	1.5);
(601520.7, 4131988.5,	32.6,	32.6,	1.5);	(601530.7, 4131988.5,	32.6,	32.6,	1.5);
(601540.7, 4131988.5,	32.6,	32.6,	1.5);	(601550.7, 4131988.5,	32.6,	32.6,	1.5);
(601560.7, 4131988.5,	32.6,	32.6,	1.5);	(601570.7, 4131988.5,	32.6,	32.6,	1.5);
(601580.7, 4131988.5,	32.6,	32.6,	1.5);	(601390.7, 4131998.5,	32.8,	32.8,	1.5);
(601400.7, 4131998.5,	32.7,	32.7,	1.5);	(601410.7, 4131998.5,	32.7,	32.7,	1.5);
(601420.7, 4131998.5,	32.7,	32.7,	1.5);	(601430.7, 4131998.5,	32.7,	32.7,	1.5);
(601440.7, 4131998.5,	32.7,	32.7,	1.5);	(601450.7, 4131998.5,	32.6,	32.6,	1.5);
(601460.7, 4131998.5,	32.6,	32.6,	1.5);	(601470.7, 4131998.5,	32.6,	32.6,	1.5);
(601480.7, 4131998.5,	32.6,	32.6,	1.5);	(601490.7, 4131998.5,	32.6,	32.6,	1.5);
(601500.7, 4131998.5,	32.6,	32.6,	1.5);	(601510.7, 4131998.5,	32.6,	32.6,	1.5);
(601520.7, 4131998.5,	32.6,	32.6,	1.5);	(601530.7, 4131998.5,	32.6,	32.6,	1.5);
(601540.7, 4131998.5,	32.6,	32.6,	1.5);	(601550.7, 4131998.5,	32.6,	32.6,	1.5);
(601400.7, 4132008.5,	32.6,	32.6,	1.5);	(601410.7, 4132008.5,	32.6,	32.6,	1.5);
(601420.7, 4132008.5,	32.6,	32.6,	1.5);	(601430.7, 4132008.5,	32.6,	32.6,	1.5);
(601440.7, 4132008.5,	32.6,	32.6,	1.5);	(601450.7, 4132008.5,	32.6,	32.6,	1.5);
(601460.7, 4132008.5,	32.6,	32.6,	1.5);	(601470.7, 4132008.5,	32.6,	32.6,	1.5);
(601480.7, 4132008.5,	32.6,	32.6,	1.5);	(601490.7, 4132008.5,	32.6,	32.6,	1.5);
(601500.7, 4132008.5,	32.6,	32.6,	1.5);	(601510.7, 4132008.5,	32.6,	32.6,	1.5);
(601520.7, 4132008.5,	32.6,	32.6,	1.5);	(601530.7, 4132008.5,	32.6,	32.6,	1.5);
(601540.7, 4132008.5,	32.6,	32.6,	1.5);	(601550.7, 4132008.5,	32.6,	32.6,	1.5);
(601410.7, 4132018.5,	32.6,	32.6,	1.5);	(601420.7, 4132018.5,	32.6,	32.6,	1.5);
(601430.7, 4132018.5,	32.6,	32.6,	1.5);	(601440.7, 4132018.5,	32.6,	32.6,	1.5);
(601450.7, 4132018.5,	32.6,	32.6,	1.5);	(601460.7, 4132018.5,	32.6,	32.6,	1.5);
(601470.7, 4132018.5,	32.6,	32.6,	1.5);	(601480.7, 4132018.5,	32.6,	32.6,	1.5);
(601490.7, 4132018.5,	32.6,	32.6,	1.5);	(601500.7, 4132018.5,	32.6,	32.6,	1.5);
(601510.7, 4132018.5,	32.6,	32.6,	1.5);	(601520.7, 4132018.5,	32.6,	32.6,	1.5);
(601530.7, 4132018.5,	32.6,	32.6,	1.5);	(601540.7, 4132018.5,	32.5,	32.5,	1.5);
(601300.7, 4132028.5,	32.9,	32.9,	1.5);	(601310.7, 4132028.5,	32.9,	32.9,	1.5);
(601420.7, 4132028.5,	32.6,	32.6,	1.5);	(601430.7, 4132028.5,	32.6,	32.6,	1.5);
(601440.7, 4132028.5,	32.6,	32.6,	1.5);	(601450.7, 4132028.5,	32.6,	32.6,	1.5);
(601460.7, 4132028.5,	32.6,	32.6,	1.5);	(601470.7, 4132028.5,	32.6,	32.6,	1.5);
(601480.7, 4132028.5,	32.6,	32.6,	1.5);	(601490.7, 4132028.5,	32.6,	32.6,	1.5);
(601500.7, 4132028.5,	32.6,	32.6,	1.5);	(601510.7, 4132028.5,	32.6,	32.6,	1.5);
(601520.7, 4132028.5,	32.6,	32.6,	1.5);	(601530.7, 4132028.5,	32.6,	32.6,	1.5);
(601300.7, 4132038.5,	32.9,	32.9,	1.5);	(601310.7, 4132038.5,	32.9,	32.9,	1.5);
(601320.7, 4132038.5,	32.9,	32.9,	1.5);	(601330.7, 4132038.5,	32.9,	32.9,	1.5);
(601340.7, 4132038.5,	32.9,	32.9,	1.5);	(601420.7, 4132038.5,	32.6,	32.6,	1.5);
(601430.7, 4132038.5,	32.6,	32.6,	1.5);	(601440.7, 4132038.5,	32.6,	32.6,	1.5);
(601450.7, 4132038.5,	32.6,	32.6,	1.5);	(601460.7, 4132038.5,	32.6,	32.6,	1.5);
(601470.7, 4132038.5,	32.6,	32.6,	1.5);	(601480.7, 4132038.5,	32.6,	32.6,	1.5);

(601490.7, 4132038.5, 32.6, 32.6, 1.5);
(601510.7, 4132038.5, 32.6, 32.6, 1.5);
(601310.7, 4132048.5, 32.8, 32.8, 1.5);

(601500.7, 4132038.5, 32.6, 32.6, 1.5);
(601520.7, 4132038.5, 32.6, 32.6, 1.5);
(601320.7, 4132048.5, 32.8, 32.8, 1.5);

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*** AERMET - VERSION 18081 ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601330.7, 4132048.5,	32.8,	32.8,	1.5);	(601340.7, 4132048.5,	32.8,	32.8,	1.5);
(601420.7, 4132048.5,	32.6,	32.6,	1.5);	(601430.7, 4132048.5,	32.6,	32.6,	1.5);
(601440.7, 4132048.5,	32.6,	32.6,	1.5);	(601450.7, 4132048.5,	32.6,	32.6,	1.5);
(601460.7, 4132048.5,	32.6,	32.6,	1.5);	(601470.7, 4132048.5,	32.6,	32.6,	1.5);
(601480.7, 4132048.5,	32.6,	32.6,	1.5);	(601490.7, 4132048.5,	32.6,	32.6,	1.5);
(601500.7, 4132048.5,	32.6,	32.6,	1.5);	(601510.7, 4132048.5,	32.5,	32.5,	1.5);
(601320.7, 4132058.5,	32.7,	32.7,	1.5);	(601330.7, 4132058.5,	32.7,	32.7,	1.5);
(601340.7, 4132058.5,	32.7,	32.7,	1.5);	(601350.7, 4132058.5,	32.7,	32.7,	1.5);
(601420.7, 4132058.5,	32.6,	32.6,	1.5);	(601430.7, 4132058.5,	32.6,	32.6,	1.5);
(601440.7, 4132058.5,	32.6,	32.6,	1.5);	(601450.7, 4132058.5,	32.6,	32.6,	1.5);
(601460.7, 4132058.5,	32.6,	32.6,	1.5);	(601470.7, 4132058.5,	32.6,	32.6,	1.5);
(601480.7, 4132058.5,	32.6,	32.6,	1.5);	(601490.7, 4132058.5,	32.6,	32.6,	1.5);
(601500.7, 4132058.5,	32.6,	32.6,	1.5);	(601510.7, 4132058.5,	32.5,	32.5,	1.5);
(601330.7, 4132068.5,	32.6,	32.6,	1.5);	(601340.7, 4132068.5,	32.6,	32.6,	1.5);
(601350.7, 4132068.5,	32.6,	32.6,	1.5);	(601360.7, 4132068.5,	32.6,	32.6,	1.5);
(601420.7, 4132068.5,	32.6,	32.6,	1.5);	(601430.7, 4132068.5,	32.6,	32.6,	1.5);
(601440.7, 4132068.5,	32.6,	32.6,	1.5);	(601450.7, 4132068.5,	32.6,	32.6,	1.5);
(601460.7, 4132068.5,	32.6,	32.6,	1.5);	(601470.7, 4132068.5,	32.6,	32.6,	1.5);
(601480.7, 4132068.5,	32.6,	32.6,	1.5);	(601340.7, 4132078.5,	32.6,	32.6,	1.5);
(601350.7, 4132078.5,	32.6,	32.6,	1.5);	(601360.7, 4132078.5,	32.6,	32.6,	1.5);
(601370.7, 4132078.5,	32.6,	32.6,	1.5);	(601430.7, 4132078.5,	32.6,	32.6,	1.5);
(601440.7, 4132078.5,	32.6,	32.6,	1.5);	(601450.7, 4132078.5,	32.5,	32.5,	1.5);
(601460.7, 4132078.5,	32.5,	32.5,	1.5);	(601350.7, 4132088.5,	32.6,	32.6,	1.5);
(601360.7, 4132088.5,	32.6,	32.6,	1.5);	(601370.7, 4132088.5,	32.6,	32.6,	1.5);
(601380.7, 4132088.5,	32.6,	32.6,	1.5);	(601390.7, 4132088.5,	32.6,	32.6,	1.5);
(601430.7, 4132088.5,	32.6,	32.6,	1.5);	(601440.7, 4132088.5,	32.6,	32.6,	1.5);
(601450.7, 4132088.5,	32.5,	32.5,	1.5);	(601370.7, 4132098.5,	32.6,	32.6,	1.5);
(601380.7, 4132098.5,	32.6,	32.6,	1.5);	(601390.7, 4132098.5,	32.6,	32.6,	1.5);
(601400.7, 4132098.5,	32.6,	32.6,	1.5);	(601380.7, 4132108.5,	32.6,	32.6,	1.5);
(601390.7, 4132108.5,	32.6,	32.6,	1.5);	(601400.7, 4132108.5,	32.6,	32.6,	1.5);
(601410.7, 4132108.5,	32.6,	32.6,	1.5);				

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	XR (METERS)	YR (METERS)	DISTANCE (METERS)
L0000001	601270.7	4131698.5	-8.67
L0000002	601270.7	4131698.5	-11.72
L0000002	601270.7	4131708.5	-10.24
L0000002	601280.7	4131708.5	-0.85
L0000003	601240.7	4131748.5	-1.94
L0000004	601240.7	4131748.5	-6.24
L0000004	601220.7	4131758.5	-13.88
L0000004	601230.7	4131758.5	-9.92
L0000004	601240.7	4131758.5	-2.42
L0000004	601220.7	4131768.5	-3.91
L0000004	601230.7	4131768.5	-1.39
L0000005	601220.7	4131758.5	-7.47
L0000005	601220.7	4131768.5	-8.83
L0000005	601220.7	4131778.5	-5.34
L0000005	601210.7	4131788.5	-3.93
L0000006	601210.7	4131788.5	-1.32
L0000006	601200.7	4131798.5	-8.25
L0000006	601210.7	4131798.5	0.70
L0000006	601190.7	4131808.5	-6.37
L0000006	601200.7	4131808.5	-1.52
L0000007	601190.7	4131808.5	-3.65
L0000007	601180.7	4131818.5	-11.17
L0000007	601190.7	4131818.5	-2.12
L0000007	601170.7	4131828.5	-8.67
L0000007	601180.7	4131828.5	-4.34
L0000008	601170.7	4131828.5	-5.83
L0000008	601160.7	4131838.5	-14.08
L0000008	601170.7	4131838.5	-4.91
L0000008	601160.7	4131848.5	-7.13
L0000008	601170.7	4131848.5	-0.16
L0000009	601140.7	4131868.5	-9.88
L0000009	601150.7	4131868.5	-3.08
L0000010	601140.7	4131868.5	0.01
L0000023	601270.7	4131698.5	-8.67
L0000024	601270.7	4131698.5	-11.72
L0000024	601270.7	4131708.5	-10.24
L0000024	601280.7	4131708.5	-0.85
L0000025	601240.7	4131748.5	-1.94

L0000026	601240.7	4131748.5	-6.24
L0000026	601220.7	4131758.5	-13.88

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

* SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED *
 LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE ID	- - RECEPTOR LOCATION - - XR (METERS) YR (METERS)	DISTANCE (METERS)
L0000026	601230.7 4131758.5	-9.92
L0000026	601240.7 4131758.5	-2.42
L0000026	601220.7 4131768.5	-3.91
L0000026	601230.7 4131768.5	-1.39
L0000027	601220.7 4131758.5	-7.47
L0000027	601220.7 4131768.5	-8.83
L0000027	601220.7 4131778.5	-5.34
L0000027	601210.7 4131788.5	-3.93
L0000028	601210.7 4131788.5	-1.32
L0000028	601200.7 4131798.5	-8.25
L0000028	601210.7 4131798.5	0.70
L0000028	601190.7 4131808.5	-6.37
L0000028	601200.7 4131808.5	-1.52
L0000029	601190.7 4131808.5	-3.65
L0000029	601180.7 4131818.5	-11.17
L0000029	601190.7 4131818.5	-2.12
L0000029	601170.7 4131828.5	-8.67
L0000029	601180.7 4131828.5	-4.34
L0000030	601170.7 4131828.5	-5.83
L0000030	601160.7 4131838.5	-14.08
L0000030	601170.7 4131838.5	-4.91
L0000030	601160.7 4131848.5	-7.13
L0000030	601170.7 4131848.5	-0.16
L0000031	601140.7 4131868.5	-9.88
L0000031	601150.7 4131868.5	-3.08
L0000032	601140.7 4131868.5	0.01

*** AERMOD - VERSION 23132 *** ** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc *** 11/17/24
*** AERMET - VERSION 18081 *** *** *** 19:36:26
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

Surface file: PANC01.SFC Met Version: 18081
Profile file: PANC01.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 23293 Upper air station no.: 23230
Name: UNKNOWN Name: OAKLAND/WSO_AP
Year: 2013 Year: 2013

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
13	01	01	1	01	-17.4	0.169	-9.000	-9.000	-999.	167.	31.4	0.02	2.57	1.00	2.62	136.	7.9	277.0	2.0			
13	01	01	1	02	-12.5	0.137	-9.000	-9.000	-999.	122.	20.8	0.02	2.57	1.00	2.16	129.	7.9	277.0	2.0			
13	01	01	1	03	-4.1	0.080	-9.000	-9.000	-999.	55.	11.3	0.05	2.57	1.00	1.14	227.	7.9	276.4	2.0			
13	01	01	1	04	-6.8	0.103	-9.000	-9.000	-999.	80.	14.8	0.05	2.57	1.00	1.43	102.	7.9	276.4	2.0			
13	01	01	1	05	-10.0	0.126	-9.000	-9.000	-999.	108.	18.3	0.05	2.57	1.00	1.72	79.	7.9	277.0	2.0			
13	01	01	1	06	-6.3	0.096	-9.000	-9.000	-999.	71.	12.8	0.02	2.57	1.00	1.55	153.	7.9	277.5	2.0			
13	01	01	1	07	-2.4	0.062	-9.000	-9.000	-999.	37.	9.0	0.02	2.57	1.00	0.92	171.	7.9	277.5	2.0			
13	01	01	1	08	-7.0	0.105	-9.000	-9.000	-999.	82.	15.0	0.05	2.57	0.74	1.45	6.	7.9	277.5	2.0			
13	01	01	1	09	-0.3	0.039	-9.000	-9.000	-999.	21.	19.3	0.02	2.57	0.39	0.62	119.	7.9	279.2	2.0			
13	01	01	1	10	65.7	0.147	0.659	0.005	159.	135.	-4.4	0.05	2.57	0.27	1.37	228.	7.9	280.9	2.0			
13	01	01	1	11	118.0	0.197	1.211	0.006	550.	209.	-5.9	0.05	2.57	0.23	1.91	208.	7.9	281.4	2.0			
13	01	01	1	12	147.9	0.180	1.536	0.008	894.	184.	-3.6	0.05	2.57	0.21	1.64	225.	7.9	283.1	2.0			
13	01	01	1	13	152.7	0.150	1.579	0.007	941.	139.	-2.0	0.02	2.57	0.21	1.54	302.	7.9	283.8	2.0			
13	01	01	1	14	132.9	0.201	1.528	0.006	980.	216.	-5.6	0.05	2.57	0.22	1.94	277.	7.9	284.9	2.0			
13	01	01	1	15	89.1	0.138	1.349	0.005	1005.	124.	-2.7	0.02	2.57	0.25	1.48	308.	7.9	285.4	2.0			
13	01	01	1	16	25.1	0.174	0.887	0.005	1012.	174.	-19.0	0.05	2.57	0.33	1.86	10.	7.9	285.4	2.0			
13	01	01	1	17	-18.7	0.221	-9.000	-9.000	-999.	249.	53.5	0.05	2.57	0.57	2.89	12.	7.9	283.8	2.0			
13	01	01	1	18	-15.5	0.159	-9.000	-9.000	-999.	153.	27.9	0.05	2.57	1.00	2.13	353.	7.9	282.5	2.0			
13	01	01	1	19	-18.6	0.183	-9.000	-9.000	-999.	188.	36.9	0.05	2.57	1.00	2.50	225.	7.9	280.9	2.0			
13	01	01	1	20	-4.1	0.078	-9.000	-9.000	-999.	59.	10.5	0.02	2.57	1.00	1.26	136.	7.9	280.4	2.0			
13	01	01	1	21	-11.8	0.133	-9.000	-9.000	-999.	117.	19.6	0.02	2.57	1.00	2.10	125.	7.9	278.8	2.0			
13	01	01	1	22	-7.6	0.106	-9.000	-9.000	-999.	83.	14.3	0.02	2.57	1.00	1.70	110.	7.9	277.5	2.0			
13	01	01	1	23	-6.2	0.095	-9.000	-9.000	-999.	71.	12.7	0.02	2.57	1.00	1.54	146.	7.9	277.0	2.0			
13	01	01	1	24	-15.2	0.152	-9.000	-9.000	-999.	142.	25.4	0.02	2.57	1.00	2.37	130.	7.9	277.0	2.0			

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB	TMP	sigmaA	sigmaW	sigmaV
13	01	01	01	7.9	1	136.	2.62	277.1	99.0	-99.00	-99.00	

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

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc ***   11/17/24
*** AERMET - VERSION 18081 ***   ***   ***   ***   ***   19:36:26
***   ***   ***   ***   ***   ***   ***   ***   ***   19:36:26
***   ***   ***   ***   ***   ***   ***   ***   ***   PAGE 75

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*** MODELOPTs:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: HAULPM2. ***
      INCLUDING SOURCE(S):   L0000023   ,   L0000024   ,   L0000025   ,   L0000026   ,   L0000027   ,
L0000028   ,   L0000029   ,   L0000030   ,   L0000031   ,   L0000032   ,   L0000033   ,   L0000034   ,   L0000035   ,
L0000036   ,   L0000037   ,   L0000038   ,   L0000039   ,   L0000040   ,   L0000041   ,   L0000042   ,   L0000043   ,
L0000044   ,

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*** 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	X-COORD (M)	Y-COORD (M)	CONC
601470.69	4131438.47	0.41927	601480.69	4131438.47	0.43526			
601490.69	4131438.47	0.45073	601470.69	4131448.47	0.46334			
601480.69	4131448.47	0.48055	601490.69	4131448.47	0.49702			
601460.69	4131458.47	0.49428	601470.69	4131458.47	0.51350			
601480.69	4131458.47	0.53186	601490.69	4131458.47	0.54914			
601500.69	4131458.47	0.56513	601510.69	4131458.47	0.57973			
601450.69	4131468.47	0.52855	601460.69	4131468.47	0.55004			
601470.69	4131468.47	0.57055	601480.69	4131468.47	0.58980			
601490.69	4131468.47	0.60758	601500.69	4131468.47	0.62355			
601510.69	4131468.47	0.63771	601520.69	4131468.47	0.64987			
601530.69	4131468.47	0.66020	601450.69	4131478.47	0.59105			
601460.69	4131478.47	0.61391	601470.69	4131478.47	0.63532			
601480.69	4131478.47	0.65498	601490.69	4131478.47	0.67266			
601500.69	4131478.47	0.68806	601510.69	4131478.47	0.70110			
601520.69	4131478.47	0.71173	601530.69	4131478.47	0.72005			
601540.69	4131478.47	0.72596	601470.69	4131488.47	0.70858			
601480.69	4131488.47	0.72797	601490.69	4131488.47	0.74473			
601500.69	4131488.47	0.75864	601510.69	4131488.47	0.76966			
601520.69	4131488.47	0.77778	601530.69	4131488.47	0.78313			
601540.69	4131488.47	0.78570	601550.69	4131488.47	0.78563			
601560.69	4131488.47	0.78308	601480.69	4131498.47	0.80886			
601490.69	4131498.47	0.82357	601500.69	4131498.47	0.83483			
601510.69	4131498.47	0.84265	601520.69	4131498.47	0.84709			
601530.69	4131498.47	0.84832	601540.69	4131498.47	0.84652			
601550.69	4131498.47	0.84193	601560.69	4131498.47	0.83479			
601570.69	4131498.47	0.82539	601430.69	4131508.47	0.78207			
601440.69	4131508.47	0.81236	601450.69	4131508.47	0.83932			
601490.69	4131508.47	0.90854	601500.69	4131508.47	0.91561			
601510.69	4131508.47	0.91872	601520.69	4131508.47	0.91808			
601530.69	4131508.47	0.91398	601540.69	4131508.47	0.90675			
601550.69	4131508.47	0.89671	601560.69	4131508.47	0.88424			
601570.69	4131508.47	0.86966	601580.69	4131508.47	0.85333			
601590.69	4131508.47	0.83556	601420.69	4131518.47	0.85456			
601430.69	4131518.47	0.88914	601440.69	4131518.47	0.91950			

601450.69	4131518.47	0.94525
601470.69	4131518.47	0.98179
601510.69	4131518.47	0.99631
601530.69	4131518.47	0.97855
601550.69	4131518.47	0.94860
601570.69	4131518.47	0.90997

601460.69	4131518.47	0.96604
601500.69	4131518.47	0.99950
601520.69	4131518.47	0.98918
601540.69	4131518.47	0.96487
601560.69	4131518.47	0.93016
601580.69	4131518.47	0.88840

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*** AERMOD - VERSION 23132 ***      *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc ***      11/17/24
*** AERMET - VERSION 18081 ***      ***                                                              ***      19:36:26
                                                                              ***      PAGE 76

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*** MODELOPTS:   NonDEFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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                *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION  VALUES FOR SOURCE GROUP: HAULPM2. ***
                INCLUDING SOURCE(S):   L0000023      , L0000024      , L0000025      , L0000026      , L0000027      ,
L0000028      , L0000029      , L0000030      , L0000031      , L0000032      , L0000033      , L0000034      , L0000035      ,
L0000036      , L0000037      , L0000038      , L0000039      , L0000040      , L0000041      , L0000042      , L0000043      ,
L0000044      ,

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                *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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		** CONC OF OTHER	IN MICROGRAMS/M**3		**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601590.69	4131518.47	0.86580	601600.69	4131518.47	0.84248
601420.69	4131528.47	0.97789	601430.69	4131528.47	1.01223
601440.69	4131528.47	1.04065	601450.69	4131528.47	1.06290
601460.69	4131528.47	1.07886	601470.69	4131528.47	1.08865
601480.69	4131528.47	1.09251	601520.69	4131528.47	1.05813
601530.69	4131528.47	1.03989	601540.69	4131528.47	1.01894
601550.69	4131528.47	0.99583	601560.69	4131528.47	0.97104
601570.69	4131528.47	0.94501	601580.69	4131528.47	0.91814
601590.69	4131528.47	0.89075	601600.69	4131528.47	0.86314
601610.69	4131528.47	0.83554	601410.69	4131538.47	1.08206
601420.69	4131538.47	1.12124	601430.69	4131538.47	1.15290
601440.69	4131538.47	1.17638	601450.69	4131538.47	1.19193
601460.69	4131538.47	1.19992	601470.69	4131538.47	1.20078
601480.69	4131538.47	1.19517	601500.69	4131538.47	1.16744
601540.69	4131538.47	1.06743	601550.69	4131538.47	1.03715
601560.69	4131538.47	1.00589	601570.69	4131538.47	0.97406
601580.69	4131538.47	0.94203	601590.69	4131538.47	0.91009
601600.69	4131538.47	0.87850	601610.69	4131538.47	0.84743
601620.69	4131538.47	0.81705	601630.69	4131538.47	0.78747
601400.69	4131548.47	1.20433	601410.69	4131548.47	1.24936
601420.69	4131548.47	1.28455	601430.69	4131548.47	1.30947
601440.69	4131548.47	1.32394	601450.69	4131548.47	1.32889
601460.69	4131548.47	1.32530	601470.69	4131548.47	1.31411
601480.69	4131548.47	1.29638	601490.69	4131548.47	1.27316
601500.69	4131548.47	1.24549	601510.69	4131548.47	1.21434
601550.69	4131548.47	1.07084	601560.69	4131548.47	1.03331
601570.69	4131548.47	0.99601	601580.69	4131548.47	0.95922
601590.69	4131548.47	0.92319	601600.69	4131548.47	0.88809
601610.69	4131548.47	0.85404	601620.69	4131548.47	0.82113
601630.69	4131548.47	0.78942	601380.69	4131558.47	1.28705
601390.69	4131558.47	1.35057	601400.69	4131558.47	1.40215
601410.69	4131558.47	1.44077	601420.69	4131558.47	1.46610
601430.69	4131558.47	1.47886	601440.69	4131558.47	1.47926
601450.69	4131558.47	1.46912	601460.69	4131558.47	1.45025

601470.69	4131558.47	1.42396
601490.69	4131558.47	1.35504
601510.69	4131558.47	1.27259
601570.69	4131558.47	1.01043
601590.69	4131558.47	0.93000
601610.69	4131558.47	0.85552

601480.69	4131558.47	1.39177
601500.69	4131558.47	1.31496
601520.69	4131558.47	1.22883
601580.69	4131558.47	0.96951
601600.69	4131558.47	0.89199
601620.69	4131558.47	0.82062

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
L0000044 ,

*** 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
601380.69	4131568.47	1.52975	601390.69	4131568.47	1.58845
601400.69	4131568.47	1.62988	601410.69	4131568.47	1.65373
601420.69	4131568.47	1.66140	601430.69	4131568.47	1.65472
601440.69	4131568.47	1.63560	601450.69	4131568.47	1.60620
601460.69	4131568.47	1.56873	601470.69	4131568.47	1.52493
601480.69	4131568.47	1.47668	601490.69	4131568.47	1.42552
601500.69	4131568.47	1.37268	601510.69	4131568.47	1.31917
601520.69	4131568.47	1.26579	601530.69	4131568.47	1.21313
601570.69	4131568.47	1.01730	601580.69	4131568.47	0.97302
601590.69	4131568.47	0.93076	601600.69	4131568.47	0.89051
601610.69	4131568.47	0.85225	601620.69	4131568.47	0.81592
601370.69	4131578.47	1.75139	601380.69	4131578.47	1.81802
601390.69	4131578.47	1.86125	601400.69	4131578.47	1.88178
601410.69	4131578.47	1.88107	601420.69	4131578.47	1.86241
601430.69	4131578.47	1.82942	601440.69	4131578.47	1.78532
601450.69	4131578.47	1.73283	601460.69	4131578.47	1.67426
601470.69	4131578.47	1.61157	601480.69	4131578.47	1.54671
601490.69	4131578.47	1.48122	601500.69	4131578.47	1.41617
601510.69	4131578.47	1.35235	601520.69	4131578.47	1.29034
601530.69	4131578.47	1.23053	601540.69	4131578.47	1.17318
601550.69	4131578.47	1.11844	601590.69	4131578.47	0.92596
601600.69	4131578.47	0.88418	601610.69	4131578.47	0.84475
601360.69	4131588.47	2.03108	601370.69	4131588.47	2.10612
601380.69	4131588.47	2.14881	601390.69	4131588.47	2.16121
601400.69	4131588.47	2.14723	601410.69	4131588.47	2.11082
601420.69	4131588.47	2.05761	601430.69	4131588.47	1.99227
601440.69	4131588.47	1.91918	601450.69	4131588.47	1.84114
601460.69	4131588.47	1.76065	601470.69	4131588.47	1.67910
601480.69	4131588.47	1.59842	601490.69	4131588.47	1.51979
601500.69	4131588.47	1.44393	601510.69	4131588.47	1.37131
601520.69	4131588.47	1.30218	601530.69	4131588.47	1.23667
601540.69	4131588.47	1.17479	601550.69	4131588.47	1.11648
601560.69	4131588.47	1.06163	601350.69	4131598.47	2.39244
601360.69	4131598.47	2.47544	601370.69	4131598.47	2.51260

601380.69	4131598.47	2.50908
601400.69	4131598.47	2.40905
601420.69	4131598.47	2.23318
601440.69	4131598.47	2.02841
601460.69	4131598.47	1.82296
601480.69	4131598.47	1.62983

601390.69	4131598.47	2.47200
601410.69	4131598.47	2.32722
601430.69	4131598.47	2.13223
601450.69	4131598.47	1.92471
601470.69	4131598.47	1.72427
601490.69	4131598.47	1.54022

601440.69	4131628.47	2.14870
601460.69	4131628.47	1.85125
601480.69	4131628.47	1.60813
601500.69	4131628.47	1.40831
601520.69	4131628.47	1.24283
601540.69	4131628.47	1.10464

601450.69	4131628.47	1.99242
601470.69	4131628.47	1.72364
601490.69	4131628.47	1.50342
601510.69	4131628.47	1.32176
601530.69	4131628.47	1.17070
601550.69	4131628.47	1.04402

*** AERMOD - VERSION 23132 *** *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc *** 11/17/24
 *** AERMET - VERSION 18081 *** *** *** *** 19:36:26
 *** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U* *** PAGE 79

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
 L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
 L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
 L0000044 ,

*** 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
601560.69	4131628.47	0.98826	601570.69	4131628.47	0.93689
601350.69	4131638.47	4.82444	601360.69	4131638.47	4.39567
601370.69	4131638.47	3.99138	601380.69	4131638.47	3.62157
601390.69	4131638.47	3.28953	601410.69	4131638.47	2.73448
601420.69	4131638.47	2.50488	601450.69	4131638.47	1.95943
601460.69	4131638.47	1.81552	601470.69	4131638.47	1.68673
601480.69	4131638.47	1.57112	601490.69	4131638.47	1.46701
601500.69	4131638.47	1.37297	601510.69	4131638.47	1.28778
601520.69	4131638.47	1.21038	601530.69	4131638.47	1.13986
601540.69	4131638.47	1.07545	601550.69	4131638.47	1.01646
601560.69	4131638.47	0.96231	601620.69	4131638.47	0.71425
601630.69	4131638.47	0.68261	601640.69	4131638.47	0.65307
601310.69	4131648.47	8.01408	601320.69	4131648.47	7.35741
601350.69	4131648.47	5.19304	601360.69	4131648.47	4.60357
601370.69	4131648.47	4.09602	601380.69	4131648.47	3.66068
601400.69	4131648.47	2.96842	601410.69	4131648.47	2.69414
601420.69	4131648.47	2.45693	601430.69	4131648.47	2.25046
601470.69	4131648.47	1.63863	601480.69	4131648.47	1.52546
601490.69	4131648.47	1.42403	601500.69	4131648.47	1.33259
601510.69	4131648.47	1.24996	601520.69	4131648.47	1.17503
601530.69	4131648.47	1.10687	601540.69	4131648.47	1.04469
601550.69	4131648.47	0.98781	601560.69	4131648.47	0.93563
601620.69	4131648.47	0.69670	601630.69	4131648.47	0.66623
601640.69	4131648.47	0.63776	601650.69	4131648.47	0.61115
601660.69	4131648.47	0.58616	601300.69	4131658.47	11.45495
601310.69	4131658.47	9.92866	601320.69	4131658.47	8.46225
601330.69	4131658.47	7.19641	601370.69	4131658.47	4.05716
601390.69	4131658.47	3.21157	601400.69	4131658.47	2.88859
601410.69	4131658.47	2.61449	601420.69	4131658.47	2.37993
601430.69	4131658.47	2.17695	601440.69	4131658.47	1.99922
601450.69	4131658.47	1.84320	601480.69	4131658.47	1.47508
601490.69	4131658.47	1.37774	601500.69	4131658.47	1.28996
601510.69	4131658.47	1.21066	601520.69	4131658.47	1.13879
601530.69	4131658.47	1.07346	601540.69	4131658.47	1.01387

601550.69	4131658.47	0.95936
601610.69	4131658.47	0.71114
601630.69	4131658.47	0.65039
601650.69	4131658.47	0.59744
601670.69	4131658.47	0.55090
601320.69	4131668.47	8.87983

601600.69	4131658.47	0.74508
601620.69	4131658.47	0.67969
601640.69	4131658.47	0.62299
601660.69	4131658.47	0.57347
601310.69	4131668.47	11.03902
601330.69	4131668.47	7.28168

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
 L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
 L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
 L0000044 ,

*** 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
601340.69	4131668.47	6.08654	601350.69	4131668.47	5.17685
601390.69	4131668.47	3.08482	601400.69	4131668.47	2.77388
601410.69	4131668.47	2.51041	601420.69	4131668.47	2.28507
601430.69	4131668.47	2.09062	601440.69	4131668.47	1.92096
601450.69	4131668.47	1.77228	601460.69	4131668.47	1.64117
601500.69	4131668.47	1.24631	601510.69	4131668.47	1.17080
601520.69	4131668.47	1.10236	601530.69	4131668.47	1.04012
601540.69	4131668.47	0.98332	601590.69	4131668.47	0.76143
601600.69	4131668.47	0.72637	601610.69	4131668.47	0.69365
601620.69	4131668.47	0.66342	601630.69	4131668.47	0.63527
601640.69	4131668.47	0.60891	601650.69	4131668.47	0.58441
601660.69	4131668.47	0.56136	601670.69	4131668.47	0.53964
601680.69	4131668.47	0.51895	601700.69	4131668.47	0.48069
601320.69	4131678.47	8.56784	601330.69	4131678.47	6.93492
601340.69	4131678.47	5.76536	601350.69	4131678.47	4.89584
601390.69	4131678.47	2.93242	601400.69	4131678.47	2.64208
601410.69	4131678.47	2.39445	601420.69	4131678.47	2.18222
601430.69	4131678.47	1.99892	601440.69	4131678.47	1.83943
601450.69	4131678.47	1.69938	601460.69	4131678.47	1.57587
601470.69	4131678.47	1.46685	601480.69	4131678.47	1.36945
601510.69	4131678.47	1.13159	601520.69	4131678.47	1.06671
601530.69	4131678.47	1.00765	601540.69	4131678.47	0.95371
601580.69	4131678.47	0.77835	601590.69	4131678.47	0.74223
601600.69	4131678.47	0.70856	601610.69	4131678.47	0.67719
601620.69	4131678.47	0.64814	601630.69	4131678.47	0.62108
601640.69	4131678.47	0.59569	601650.69	4131678.47	0.57210
601660.69	4131678.47	0.54990	601670.69	4131678.47	0.52890
601680.69	4131678.47	0.50884	601690.69	4131678.47	0.48974
601700.69	4131678.47	0.47160	601330.69	4131688.47	6.37714
601340.69	4131688.47	5.33565	601350.69	4131688.47	4.55771
601360.69	4131688.47	3.95701	601370.69	4131688.47	3.48059
601390.69	4131688.47	2.77318	601400.69	4131688.47	2.50451
601410.69	4131688.47	2.27504	601420.69	4131688.47	2.07792
601430.69	4131688.47	1.90718	601440.69	4131688.47	1.75860

601450.69	4131688.47	1.62803
601470.69	4131688.47	1.40973
601490.69	4131688.47	1.23556
601580.69	4131688.47	0.75846
601600.69	4131688.47	0.69195
601620.69	4131688.47	0.63415

601460.69	4131688.47	1.51246
601480.69	4131688.47	1.31795
601530.69	4131688.47	0.97634
601590.69	4131688.47	0.72403
601610.69	4131688.47	0.66201
601630.69	4131688.47	0.60809

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
 L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
 L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
 L0000044 ,

*** 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
601640.69	4131688.47	0.58359	601650.69	4131688.47	0.56066
601660.69	4131688.47	0.53904	601670.69	4131688.47	0.51856
601680.69	4131688.47	0.49903	601690.69	4131688.47	0.48042
601700.69	4131688.47	0.46271	601710.69	4131688.47	0.44582
601270.69	4131698.47	9.78927	601340.69	4131698.47	4.89901
601350.69	4131698.47	4.22005	601360.69	4131698.47	3.68818
601370.69	4131698.47	3.26173	601380.69	4131698.47	2.91027
601400.69	4131698.47	2.37053	601410.69	4131698.47	2.15907
601420.69	4131698.47	1.97686	601430.69	4131698.47	1.81851
601440.69	4131698.47	1.68078	601450.69	4131698.47	1.55925
601460.69	4131698.47	1.45147	601470.69	4131698.47	1.35521
601480.69	4131698.47	1.26891	601490.69	4131698.47	1.19137
601500.69	4131698.47	1.12126	601560.69	4131698.47	0.81306
601570.69	4131698.47	0.77514	601580.69	4131698.47	0.73996
601590.69	4131698.47	0.70716	601600.69	4131698.47	0.67652
601610.69	4131698.47	0.64787	601620.69	4131698.47	0.62112
601630.69	4131698.47	0.59596	601640.69	4131698.47	0.57226
601650.69	4131698.47	0.54994	601660.69	4131698.47	0.52880
601670.69	4131698.47	0.50879	601680.69	4131698.47	0.48970
601690.69	4131698.47	0.47151	601700.69	4131698.47	0.45416
601710.69	4131698.47	0.43759	601270.69	4131708.47	15.01128
601280.69	4131708.47	12.23122	601350.69	4131708.47	3.90611
601360.69	4131708.47	3.43652	601370.69	4131708.47	3.05543
601380.69	4131708.47	2.73736	601390.69	4131708.47	2.47022
601420.69	4131708.47	1.88116	601430.69	4131708.47	1.73460
601440.69	4131708.47	1.60709	601450.69	4131708.47	1.49419
601460.69	4131708.47	1.39389	601470.69	4131708.47	1.30388
601480.69	4131708.47	1.22294	601490.69	4131708.47	1.15004
601500.69	4131708.47	1.08410	601510.69	4131708.47	1.02422
601560.69	4131708.47	0.79266	601570.69	4131708.47	0.75651
601580.69	4131708.47	0.72290	601590.69	4131708.47	0.69156
601600.69	4131708.47	0.66225	601610.69	4131708.47	0.63477
601620.69	4131708.47	0.60894	601630.69	4131708.47	0.58459
601640.69	4131708.47	0.56158	601650.69	4131708.47	0.53981

601660.69	4131708.47	0.51914
601680.69	4131708.47	0.48079
601700.69	4131708.47	0.44590
601280.69	4131718.47	14.06960
601370.69	4131718.47	2.86202
601390.69	4131718.47	2.33235

601670.69	4131708.47	0.49950
601690.69	4131708.47	0.46295
601710.69	4131708.47	0.42958
601290.69	4131718.47	10.60597
601380.69	4131718.47	2.57511
601400.69	4131718.47	2.12520

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
 L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
 L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
 L0000044 ,

*** 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
601430.69	4131718.47	1.65631	601440.69	4131718.47	1.53814
601450.69	4131718.47	1.43328	601460.69	4131718.47	1.33991
601470.69	4131718.47	1.25589	601480.69	4131718.47	1.18016
601490.69	4131718.47	1.11181	601500.69	4131718.47	1.04985
601550.69	4131718.47	0.81116	601560.69	4131718.47	0.77400
601570.69	4131718.47	0.73946	601580.69	4131718.47	0.70726
601590.69	4131718.47	0.67715	601600.69	4131718.47	0.64892
601610.69	4131718.47	0.62238	601620.69	4131718.47	0.59736
601630.69	4131718.47	0.57372	601640.69	4131718.47	0.55132
601650.69	4131718.47	0.53007	601660.69	4131718.47	0.50985
601670.69	4131718.47	0.49059	601680.69	4131718.47	0.47221
601690.69	4131718.47	0.45465	601700.69	4131718.47	0.43783
601710.69	4131718.47	0.42172	601290.69	4131728.47	8.98424
601300.69	4131728.47	7.25330	601380.69	4131728.47	2.42542
601390.69	4131728.47	2.20493	601400.69	4131728.47	2.01573
601410.69	4131728.47	1.85200	601440.69	4131728.47	1.47459
601450.69	4131728.47	1.37725	601460.69	4131728.47	1.29037
601470.69	4131728.47	1.21193	601480.69	4131728.47	1.14106
601490.69	4131728.47	1.07694	601500.69	4131728.47	1.01868
601540.69	4131728.47	0.83081	601550.69	4131728.47	0.79258
601560.69	4131728.47	0.75706	601570.69	4131728.47	0.72396
601580.69	4131728.47	0.69300	601590.69	4131728.47	0.66398
601600.69	4131728.47	0.63668	601610.69	4131728.47	0.61094
601620.69	4131728.47	0.58660	601630.69	4131728.47	0.56355
601640.69	4131728.47	0.54165	601650.69	4131728.47	0.52082
601660.69	4131728.47	0.50096	601670.69	4131728.47	0.48201
601680.69	4131728.47	0.46388	601690.69	4131728.47	0.44653
601700.69	4131728.47	0.42989	601710.69	4131728.47	0.41393
601300.69	4131738.47	6.38399	601310.69	4131738.47	5.37974
601380.69	4131738.47	2.28802	601390.69	4131738.47	2.08791
601400.69	4131738.47	1.91546	601410.69	4131738.47	1.76534
601420.69	4131738.47	1.63397	601450.69	4131738.47	1.32639
601460.69	4131738.47	1.24543	601470.69	4131738.47	1.17217
601480.69	4131738.47	1.10578	601490.69	4131738.47	1.04555

601540.69	4131738.47	0.81244
601560.69	4131738.47	0.74179
601580.69	4131738.47	0.68004
601600.69	4131738.47	0.62541
601620.69	4131738.47	0.57655
601640.69	4131738.47	0.53253

601550.69	4131738.47	0.77587
601570.69	4131738.47	0.70993
601590.69	4131738.47	0.65193
601610.69	4131738.47	0.60033
601630.69	4131738.47	0.55400
601650.69	4131738.47	0.51202

*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
 L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
 L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
 L0000044 ,

*** 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
601660.69	4131738.47	0.49243	601670.69	4131738.47	0.47369
601680.69	4131738.47	0.45575	601690.69	4131738.47	0.43854
601700.69	4131738.47	0.42203	601710.69	4131738.47	0.40617
601240.69	4131748.47	12.01202	601310.69	4131748.47	4.84051
601320.69	4131748.47	4.19301	601330.69	4131748.47	3.67463
601400.69	4131748.47	1.82491	601410.69	4131748.47	1.68746
601420.69	4131748.47	1.56656	601430.69	4131748.47	1.45971
601470.69	4131748.47	1.13665	601480.69	4131748.47	1.07434
601490.69	4131748.47	1.01763	601530.69	4131748.47	0.83376
601540.69	4131748.47	0.79607	601550.69	4131748.47	0.76094
601560.69	4131748.47	0.72809	601570.69	4131748.47	0.69727
601580.69	4131748.47	0.66827	601590.69	4131748.47	0.64089
601600.69	4131748.47	0.61500	601610.69	4131748.47	0.59043
601620.69	4131748.47	0.56719	601630.69	4131748.47	0.54509
601640.69	4131748.47	0.52399	601650.69	4131748.47	0.50373
601660.69	4131748.47	0.48431	601670.69	4131748.47	0.46571
601680.69	4131748.47	0.44787	601690.69	4131748.47	0.43074
601700.69	4131748.47	0.41429	601710.69	4131748.47	0.39849
601220.69	4131758.47	11.77140	601230.69	4131758.47	17.51877
601240.69	4131758.47	14.06123	601250.69	4131758.47	13.97570
601320.69	4131758.47	3.83279	601330.69	4131758.47	3.38859
601340.69	4131758.47	3.02240	601400.69	4131758.47	1.74255
601410.69	4131758.47	1.61687	601420.69	4131758.47	1.50574
601430.69	4131758.47	1.40710	601440.69	4131758.47	1.31929
601480.69	4131758.47	1.04668	601530.69	4131758.47	0.81788
601540.69	4131758.47	0.78160	601550.69	4131758.47	0.74767
601560.69	4131758.47	0.71582	601570.69	4131758.47	0.68584
601580.69	4131758.47	0.65753	601590.69	4131758.47	0.63073
601600.69	4131758.47	0.60530	601610.69	4131758.47	0.58111
601620.69	4131758.47	0.55824	601630.69	4131758.47	0.53650
601640.69	4131758.47	0.51565	601650.69	4131758.47	0.49554
601660.69	4131758.47	0.47622	601670.69	4131758.47	0.45769
601680.69	4131758.47	0.43990	601690.69	4131758.47	0.42281
601220.69	4131768.47	12.57860	601230.69	4131768.47	16.18785

601240.69	4131768.47	14.85525
601260.69	4131768.47	9.09133
601390.69	4131768.47	1.79789
601410.69	4131768.47	1.55348
601430.69	4131768.47	1.36025
601450.69	4131768.47	1.20508

601250.69	4131768.47	11.42421
601340.69	4131768.47	2.81635
601400.69	4131768.47	1.66835
601420.69	4131768.47	1.45132
601440.69	4131768.47	1.27862
601460.69	4131768.47	1.13851

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
 L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
 L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
 L0000044 ,

*** 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
601540.69	4131768.47	0.76885	601550.69	4131768.47	0.73587
601560.69	4131768.47	0.70480	601570.69	4131768.47	0.67550
601580.69	4131768.47	0.64774	601590.69	4131768.47	0.62134
601600.69	4131768.47	0.59623	601610.69	4131768.47	0.57228
601620.69	4131768.47	0.54966	601630.69	4131768.47	0.52806
601640.69	4131768.47	0.50736	601650.69	4131768.47	0.48731
601660.69	4131768.47	0.46801	601670.69	4131768.47	0.44949
601680.69	4131768.47	0.43171	601690.69	4131768.47	0.41462
601220.69	4131778.47	15.22751	601230.69	4131778.47	15.71255
601240.69	4131778.47	12.04465	601250.69	4131778.47	9.55057
601260.69	4131778.47	7.79149	601270.69	4131778.47	6.49829
601340.69	4131778.47	2.63106	601400.69	4131778.47	1.60188
601410.69	4131778.47	1.49663	601420.69	4131778.47	1.40265
601430.69	4131778.47	1.31847	601440.69	4131778.47	1.24265
601450.69	4131778.47	1.17399	601460.69	4131778.47	1.11151
601500.69	4131778.47	0.90877	601510.69	4131778.47	0.86711
601550.69	4131778.47	0.72533	601560.69	4131778.47	0.69497
601570.69	4131778.47	0.66623	601580.69	4131778.47	0.63892
601590.69	4131778.47	0.61279	601600.69	4131778.47	0.58783
601610.69	4131778.47	0.56398	601620.69	4131778.47	0.54129
601630.69	4131778.47	0.51963	601640.69	4131778.47	0.49884
601650.69	4131778.47	0.47874	601660.69	4131778.47	0.45943
601670.69	4131778.47	0.44089	601680.69	4131778.47	0.42308
601690.69	4131778.47	0.40597	601210.69	4131788.47	11.44224
601220.69	4131788.47	16.65177	601230.69	4131788.47	12.69049
601240.69	4131788.47	10.01086	601250.69	4131788.47	8.13890
601260.69	4131788.47	6.77196	601270.69	4131788.47	5.73716
601280.69	4131788.47	4.93340	601290.69	4131788.47	4.29608
601340.69	4131788.47	2.46803	601350.69	4131788.47	2.25576
601410.69	4131788.47	1.44713	601420.69	4131788.47	1.36046
601430.69	4131788.47	1.28240	601440.69	4131788.47	1.21171
601450.69	4131788.47	1.14735	601460.69	4131788.47	1.08846
601500.69	4131788.47	0.89483	601510.69	4131788.47	0.85451
601520.69	4131788.47	0.81670	601530.69	4131788.47	0.78112

601570.69	4131788.47	0.65757
601590.69	4131788.47	0.60449
601610.69	4131788.47	0.55570
601630.69	4131788.47	0.51107
601650.69	4131788.47	0.46994
601670.69	4131788.47	0.43197

601580.69	4131788.47	0.63051
601600.69	4131788.47	0.57956
601620.69	4131788.47	0.53290
601640.69	4131788.47	0.49010
601660.69	4131788.47	0.45057
601680.69	4131788.47	0.41411

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc ***   11/17/24
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*** MODELOPTS:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: HAULPM2. ***
      INCLUDING SOURCE(S):   L0000023   ,   L0000024   ,   L0000025   ,   L0000026   ,   L0000027   ,
L0000028   ,   L0000029   ,   L0000030   ,   L0000031   ,   L0000032   ,   L0000033   ,   L0000034   ,   L0000035   ,
L0000036   ,   L0000037   ,   L0000038   ,   L0000039   ,   L0000040   ,   L0000041   ,   L0000042   ,   L0000043   ,
L0000044   ,

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*** 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
601690.69	4131788.47	0.39697	601200.69	4131798.47	16.36768
601210.69	4131798.47	13.39527	601220.69	4131798.47	13.31397
601230.69	4131798.47	10.47304	601240.69	4131798.47	8.48717
601250.69	4131798.47	7.04374	601260.69	4131798.47	5.95524
601270.69	4131798.47	5.11322	601280.69	4131798.47	4.44662
601290.69	4131798.47	3.91080	601300.69	4131798.47	3.47320
601330.69	4131798.47	2.54676	601340.69	4131798.47	2.32570
601350.69	4131798.47	2.13770	601360.69	4131798.47	1.97444
601420.69	4131798.47	1.32453	601430.69	4131798.47	1.25180
601440.69	4131798.47	1.18555	601450.69	4131798.47	1.12488
601480.69	4131798.47	0.96945	601490.69	4131798.47	0.92475
601500.69	4131798.47	0.88290	601510.69	4131798.47	0.84360
601520.69	4131798.47	0.80658	601530.69	4131798.47	0.77159
601540.69	4131798.47	0.73850	601580.69	4131798.47	0.62226
601590.69	4131798.47	0.59620	601600.69	4131798.47	0.57118
601610.69	4131798.47	0.54721	601620.69	4131798.47	0.52424
601630.69	4131798.47	0.50220	601640.69	4131798.47	0.48106
601650.69	4131798.47	0.46077	601660.69	4131798.47	0.44131
601670.69	4131798.47	0.42264	601680.69	4131798.47	0.40473
601690.69	4131798.47	0.38756	601190.69	4131808.47	11.89265
601200.69	4131808.47	14.87392	601210.69	4131808.47	14.08474
601220.69	4131808.47	10.95754	601230.69	4131808.47	8.83924
601240.69	4131808.47	7.31425	601250.69	4131808.47	6.17243
601260.69	4131808.47	5.28995	601270.69	4131808.47	4.59334
601280.69	4131808.47	4.03387	601290.69	4131808.47	3.57985
601300.69	4131808.47	3.20558	601310.69	4131808.47	2.89362
601320.69	4131808.47	2.62678	601330.69	4131808.47	2.39896
601340.69	4131808.47	2.20330	601350.69	4131808.47	2.03589
601360.69	4131808.47	1.88956	601370.69	4131808.47	1.76091
601440.69	4131808.47	1.16384	601470.69	4131808.47	1.00327
601480.69	4131808.47	0.95693	601490.69	4131808.47	0.91348
601500.69	4131808.47	0.87260	601510.69	4131808.47	0.83403
601520.69	4131808.47	0.79752	601530.69	4131808.47	0.76304
601540.69	4131808.47	0.73030	601590.69	4131808.47	0.58748

601600.69	4131808.47	0.56231
601620.69	4131808.47	0.51503
601640.69	4131808.47	0.47155
601660.69	4131808.47	0.43157
601680.69	4131808.47	0.39487
601190.69	4131818.47	14.42792

601610.69	4131808.47	0.53817
601630.69	4131808.47	0.49283
601650.69	4131808.47	0.45113
601670.69	4131808.47	0.41282
601180.69	4131818.47	17.37532
601200.69	4131818.47	14.76408

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc ***   11/17/24
*** AERMET - VERSION 18081 ***   ***                                                                                                     ***   19:36:26
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*** MODELOPTS:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: HAULPM2. ***
INCLUDING SOURCE(S):   L0000023   ,   L0000024   ,   L0000025   ,   L0000026   ,   L0000027   ,
L0000028   ,   L0000029   ,   L0000030   ,   L0000031   ,   L0000032   ,   L0000033   ,   L0000034   ,   L0000035   ,
L0000036   ,   L0000037   ,   L0000038   ,   L0000039   ,   L0000040   ,   L0000041   ,   L0000042   ,   L0000043   ,
L0000044   ,

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*** 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	X-COORD (M)	Y-COORD (M)	CONC
601210.69	4131818.47	11.48675	601220.69	4131818.47	9.20270			
601230.69	4131818.47	7.58658	601240.69	4131818.47	6.38818			
601250.69	4131818.47	5.46902	601260.69	4131818.47	4.74364			
601270.69	4131818.47	4.16095	601280.69	4131818.47	3.68767			
601290.69	4131818.47	3.30052	601300.69	4131818.47	2.97875			
601310.69	4131818.47	2.70811	601320.69	4131818.47	2.47453			
601330.69	4131818.47	2.27359	601340.69	4131818.47	2.09975			
601350.69	4131818.47	1.95009	601360.69	4131818.47	1.81836			
601370.69	4131818.47	1.70172	601380.69	4131818.47	1.59686			
601460.69	4131818.47	1.03960	601470.69	4131818.47	0.99152			
601480.69	4131818.47	0.94636	601490.69	4131818.47	0.90379			
601500.69	4131818.47	0.86355	601510.69	4131818.47	0.82541			
601520.69	4131818.47	0.78916	601530.69	4131818.47	0.75490			
601540.69	4131818.47	0.72235	601550.69	4131818.47	0.69116			
601590.69	4131818.47	0.57840	601600.69	4131818.47	0.55299			
601610.69	4131818.47	0.52864	601620.69	4131818.47	0.50528			
601630.69	4131818.47	0.48290	601640.69	4131818.47	0.46146			
601650.69	4131818.47	0.44092	601660.69	4131818.47	0.42127			
601670.69	4131818.47	0.40247	601680.69	4131818.47	0.38450			
601170.69	4131828.47	12.19183	601180.69	4131828.47	16.10086			
601190.69	4131828.47	15.64295	601200.69	4131828.47	12.02004			
601210.69	4131828.47	9.58618	601220.69	4131828.47	7.86522			
601230.69	4131828.47	6.60331	601240.69	4131828.47	5.64465			
601250.69	4131828.47	4.89447	601260.69	4131828.47	4.29196			
601270.69	4131828.47	3.80221	601280.69	4131828.47	3.39964			
601290.69	4131828.47	3.06760	601300.69	4131828.47	2.78903			
601310.69	4131828.47	2.55275	601320.69	4131828.47	2.34768			
601330.69	4131828.47	2.16954	601340.69	4131828.47	2.01453			
601350.69	4131828.47	1.87966	601360.69	4131828.47	1.76027			
601370.69	4131828.47	1.65364	601380.69	4131828.47	1.55712			
601390.69	4131828.47	1.46962	601460.69	4131828.47	1.02877			
601470.69	4131828.47	0.98173	601480.69	4131828.47	0.93739			
601490.69	4131828.47	0.89541	601500.69	4131828.47	0.85547			
601510.69	4131828.47	0.81746	601520.69	4131828.47	0.78122			

601530.69	4131828.47	0.74696
601550.69	4131828.47	0.68293
601600.69	4131828.47	0.54303
601620.69	4131828.47	0.49485
601640.69	4131828.47	0.45070
601660.69	4131828.47	0.41035

601540.69	4131828.47	0.71426
601590.69	4131828.47	0.56871
601610.69	4131828.47	0.51842
601630.69	4131828.47	0.47229
601650.69	4131828.47	0.43006
601670.69	4131828.47	0.39153

*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
 L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
 L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
 L0000044 ,

*** 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
601680.69	4131828.47	0.37359	601160.69	4131838.47	18.19311
601170.69	4131838.47	15.42818	601180.69	4131838.47	16.36398
601190.69	4131838.47	12.60319	601200.69	4131838.47	9.98851
601210.69	4131838.47	8.16055	601220.69	4131838.47	6.82559
601230.69	4131838.47	5.82015	601240.69	4131838.47	5.03987
601250.69	4131838.47	4.42047	601260.69	4131838.47	3.91888
601270.69	4131838.47	3.50693	601280.69	4131838.47	3.16472
601290.69	4131838.47	2.87748	601300.69	4131838.47	2.63432
601310.69	4131838.47	2.42559	601320.69	4131838.47	2.24444
601330.69	4131838.47	2.08648	601340.69	4131838.47	1.94748
601350.69	4131838.47	1.82454	601360.69	4131838.47	1.71476
601370.69	4131838.47	1.61606	601380.69	4131838.47	1.52622
601390.69	4131838.47	1.44422	601400.69	4131838.47	1.36917
601460.69	4131838.47	1.01990	601470.69	4131838.47	0.97367
601480.69	4131838.47	0.92987	601490.69	4131838.47	0.88821
601500.69	4131838.47	0.84830	601510.69	4131838.47	0.81013
601520.69	4131838.47	0.77364	601530.69	4131838.47	0.73890
601540.69	4131838.47	0.70573	601550.69	4131838.47	0.67387
601560.69	4131838.47	0.64312	601590.69	4131838.47	0.55819
601600.69	4131838.47	0.53222	601620.69	4131838.47	0.48360
601630.69	4131838.47	0.46088	601640.69	4131838.47	0.43919
601650.69	4131838.47	0.41850	601660.69	4131838.47	0.39878
601670.69	4131838.47	0.38000	601160.69	4131848.47	17.24457
601170.69	4131848.47	13.69053	601180.69	4131848.47	13.19775
601190.69	4131848.47	10.40402	601200.69	4131848.47	8.46711
601210.69	4131848.47	7.06147	601220.69	4131848.47	6.00694
601230.69	4131848.47	5.19407	601240.69	4131848.47	4.55198
601250.69	4131848.47	4.03557	601260.69	4131848.47	3.61492
601270.69	4131848.47	3.26697	601280.69	4131848.47	2.97430
601290.69	4131848.47	2.72437	601300.69	4131848.47	2.50970
601310.69	4131848.47	2.32408	601320.69	4131848.47	2.16300
601330.69	4131848.47	2.02127	601340.69	4131848.47	1.89558
601350.69	4131848.47	1.78251	601360.69	4131848.47	1.68038
601370.69	4131848.47	1.58794	601380.69	4131848.47	1.50335

601390.69	4131848.47	1.42561
601410.69	4131848.47	1.28736
601450.69	4131848.47	1.06127
601470.69	4131848.47	0.96655
601490.69	4131848.47	0.88124
601510.69	4131848.47	0.80249

601400.69	4131848.47	1.35388
601440.69	4131848.47	1.11276
601460.69	4131848.47	1.01250
601480.69	4131848.47	0.92297
601500.69	4131848.47	0.84106
601520.69	4131848.47	0.76555

*** AERMOD - VERSION 23132 *** *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc *** 11/17/24
*** AERMET - VERSION 18081 *** *** *** *** 19:36:26
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*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
L0000044 ,

*** 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
601530.69	4131848.47	0.73022	601540.69	4131848.47	0.69639
601550.69	4131848.47	0.66390	601590.69	4131848.47	0.54667
601600.69	4131848.47	0.52042	601610.69	4131848.47	0.49535
601620.69	4131848.47	0.47142	601630.69	4131848.47	0.44860
601640.69	4131848.47	0.42687	601650.69	4131848.47	0.40620
601660.69	4131848.47	0.38655	601670.69	4131848.47	0.36789
601170.69	4131858.47	13.80858	601180.69	4131858.47	10.83003
601190.69	4131858.47	8.77776	601200.69	4131858.47	7.30274
601210.69	4131858.47	6.20166	601220.69	4131858.47	5.35722
601230.69	4131858.47	4.69389	601240.69	4131858.47	4.16248
601250.69	4131858.47	3.72893	601260.69	4131858.47	3.37346
601270.69	4131858.47	3.07604	601280.69	4131858.47	2.82373
601290.69	4131858.47	2.60423	601300.69	4131858.47	2.41305
601310.69	4131858.47	2.24641	601320.69	4131858.47	2.10131
601330.69	4131858.47	1.97263	601340.69	4131858.47	1.85721
601350.69	4131858.47	1.75206	601360.69	4131858.47	1.65608
601370.69	4131858.47	1.56833	601380.69	4131858.47	1.48761
601390.69	4131858.47	1.41295	601400.69	4131858.47	1.34352
601440.69	4131858.47	1.10648	601450.69	4131858.47	1.05507
601460.69	4131858.47	1.00619	601470.69	4131858.47	0.96009
601480.69	4131858.47	0.91611	601490.69	4131858.47	0.87402
601500.69	4131858.47	0.83325	601510.69	4131858.47	0.79407
601520.69	4131858.47	0.75650	601530.69	4131858.47	0.72047
601540.69	4131858.47	0.68592	601550.69	4131858.47	0.65281
601580.69	4131858.47	0.56170	601590.69	4131858.47	0.53397
601600.69	4131858.47	0.50750	601610.69	4131858.47	0.48227
601620.69	4131858.47	0.45826	601630.69	4131858.47	0.43542
601640.69	4131858.47	0.41374	601650.69	4131858.47	0.39319
601660.69	4131858.47	0.37370	601140.69	4131868.47	11.42084
601150.69	4131868.47	14.63742	601160.69	4131868.47	14.48607
601190.69	4131868.47	7.54383	601200.69	4131868.47	6.39873
601210.69	4131868.47	5.52497	601220.69	4131868.47	4.84229
601230.69	4131868.47	4.29941	601240.69	4131868.47	3.85828
601250.69	4131868.47	3.49350	601260.69	4131868.47	3.18822

601290.69	4131868.47	2.51263
601310.69	4131868.47	2.19201
601330.69	4131868.47	1.93868
601350.69	4131868.47	1.73129
601370.69	4131868.47	1.55605
601390.69	4131868.47	1.40539

601300.69	4131868.47	2.34244
601320.69	4131868.47	2.05845
601340.69	4131868.47	1.83046
601360.69	4131868.47	1.64012
601380.69	4131868.47	1.47808
601430.69	4131868.47	1.15658

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
      INCLUDING SOURCE(S):  L0000023    , L0000024    , L0000025    , L0000026    , L0000027    ,
L0000028    , L0000029    , L0000030    , L0000031    , L0000032    , L0000033    , L0000034    , L0000035    ,
L0000036    , L0000037    , L0000038    , L0000039    , L0000040    , L0000041    , L0000042    , L0000043    ,
L0000044    ,

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*** 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	X-COORD (M)	Y-COORD (M)	CONC
601440.69	4131868.47	1.10220	601450.69	4131868.47	1.05034			
601460.69	4131868.47	1.00084	601470.69	4131868.47	0.95378			
601480.69	4131868.47	0.90888	601490.69	4131868.47	0.86576			
601500.69	4131868.47	0.82414	601510.69	4131868.47	0.78417			
601520.69	4131868.47	0.74585	601530.69	4131868.47	0.70912			
601540.69	4131868.47	0.67394	601580.69	4131868.47	0.54794			
601590.69	4131868.47	0.51998	601600.69	4131868.47	0.49337			
601610.69	4131868.47	0.46809	601620.69	4131868.47	0.44409			
601630.69	4131868.47	0.42135	601640.69	4131868.47	0.39982			
601650.69	4131868.47	0.37953	601660.69	4131868.47	0.36038			
601150.69	4131878.47	15.20597	601160.69	4131878.47	11.76759			
601200.69	4131878.47	5.70708	601210.69	4131878.47	5.00572			
601220.69	4131878.47	4.44770	601230.69	4131878.47	3.99799			
601240.69	4131878.47	3.62842	601250.69	4131878.47	3.31783			
601300.69	4131878.47	2.29443	601310.69	4131878.47	2.15653			
601320.69	4131878.47	2.03166	601330.69	4131878.47	1.91822			
601340.69	4131878.47	1.81501	601350.69	4131878.47	1.71996			
601360.69	4131878.47	1.63199	601370.69	4131878.47	1.55022			
601380.69	4131878.47	1.47380	601430.69	4131878.47	1.15359			
601440.69	4131878.47	1.09849	601450.69	4131878.47	1.04568			
601460.69	4131878.47	0.99516	601470.69	4131878.47	0.94689			
601480.69	4131878.47	0.90067	601490.69	4131878.47	0.85629			
601500.69	4131878.47	0.81368	601510.69	4131878.47	0.77279			
601520.69	4131878.47	0.73362	601530.69	4131878.47	0.69613			
601570.69	4131878.47	0.56230	601580.69	4131878.47	0.53273			
601590.69	4131878.47	0.50464	601600.69	4131878.47	0.47801			
601610.69	4131878.47	0.45279	601620.69	4131878.47	0.42894			
601630.69	4131878.47	0.40642	601640.69	4131878.47	0.38517			
601650.69	4131878.47	0.36527	601660.69	4131878.47	0.34655			
601160.69	4131888.47	9.80615	601170.69	4131888.47	8.08911			
601180.69	4131888.47	6.84570	601210.69	4131888.47	4.62135			
601220.69	4131888.47	4.15839	601230.69	4131888.47	3.78020			
601240.69	4131888.47	3.46390	601300.69	4131888.47	2.26669			
601310.69	4131888.47	2.13739	601320.69	4131888.47	2.01865			

601330.69	4131888.47	1.90962
601350.69	4131888.47	1.71679
601370.69	4131888.47	1.55008
601420.69	4131888.47	1.20920
601440.69	4131888.47	1.09453
601460.69	4131888.47	0.98844

601340.69	4131888.47	1.80944
601360.69	4131888.47	1.63070
601380.69	4131888.47	1.47409
601430.69	4131888.47	1.15095
601450.69	4131888.47	1.04036
601470.69	4131888.47	0.93867

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc   ***   11/17/24
*** AERMET - VERSION 18081 ***   ***   ***   ***   ***   19:36:26
***   ***   ***   ***   ***   ***   ***   ***   ***   ***   PAGE 90

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*** MODELOPTS:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: HAULPM2. ***
      INCLUDING SOURCE(S):   L0000023   ,   L0000024   ,   L0000025   ,   L0000026   ,   L0000027   ,
L0000028   ,   L0000029   ,   L0000030   ,   L0000031   ,   L0000032   ,   L0000033   ,   L0000034   ,   L0000035   ,
L0000036   ,   L0000037   ,   L0000038   ,   L0000039   ,   L0000040   ,   L0000041   ,   L0000042   ,   L0000043   ,
L0000044   ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601480.69	4131888.47	0.89095	601490.69	4131888.47	0.84522
601500.69	4131888.47	0.80143	601510.69	4131888.47	0.75951
601520.69	4131888.47	0.71945	601560.69	4131888.47	0.57701
601570.69	4131888.47	0.54569	601580.69	4131888.47	0.51603
601590.69	4131888.47	0.48796	601600.69	4131888.47	0.46145
601610.69	4131888.47	0.43645	601620.69	4131888.47	0.41292
601630.69	4131888.47	0.39075	601170.69	4131898.47	7.11641
601180.69	4131898.47	6.15704	601190.69	4131898.47	5.41941
601220.69	4131898.47	3.96482	601230.69	4131898.47	3.63644
601310.69	4131898.47	2.13179	601320.69	4131898.47	2.01682
601330.69	4131898.47	1.91058	601340.69	4131898.47	1.81221
601350.69	4131898.47	1.72106	601360.69	4131898.47	1.63575
601370.69	4131898.47	1.55533	601410.69	4131898.47	1.27054
601420.69	4131898.47	1.20770	601430.69	4131898.47	1.14739
601440.69	4131898.47	1.08915	601450.69	4131898.47	1.03323
601460.69	4131898.47	0.97962	601470.69	4131898.47	0.92824
601480.69	4131898.47	0.87903	601490.69	4131898.47	0.83194
601500.69	4131898.47	0.78693	601510.69	4131898.47	0.74398
601560.69	4131898.47	0.55882	601570.69	4131898.47	0.52746
601580.69	4131898.47	0.49787	601590.69	4131898.47	0.47000
601600.69	4131898.47	0.44379	601610.69	4131898.47	0.41917
601620.69	4131898.47	0.39614	601630.69	4131898.47	0.37458
601180.69	4131908.47	5.68935	601190.69	4131908.47	5.09087
601200.69	4131908.47	4.60127	601220.69	4131908.47	3.84978
601230.69	4131908.47	3.55584	601320.69	4131908.47	2.02582
601330.69	4131908.47	1.92046	601340.69	4131908.47	1.82223
601350.69	4131908.47	1.73096	601360.69	4131908.47	1.64532
601400.69	4131908.47	1.33926	601410.69	4131908.47	1.27091
601420.69	4131908.47	1.20545	601430.69	4131908.47	1.14255
601440.69	4131908.47	1.08212	601450.69	4131908.47	1.02411
601460.69	4131908.47	0.96854	601470.69	4131908.47	0.91536
601480.69	4131908.47	0.86453	601490.69	4131908.47	0.81602
601500.69	4131908.47	0.76981	601510.69	4131908.47	0.72587
601560.69	4131908.47	0.53887	601570.69	4131908.47	0.50766

601580.69	4131908.47	0.47836
601600.69	4131908.47	0.42517
601620.69	4131908.47	0.37880
601190.69	4131918.47	4.90320
601330.69	4131918.47	1.93811
601350.69	4131918.47	1.74588

601590.69	4131908.47	0.45089
601610.69	4131908.47	0.40113
601630.69	4131908.47	0.35796
601200.69	4131918.47	4.47692
601340.69	4131918.47	1.83865
601390.69	4131918.47	1.41596

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc   ***   11/17/24
*** AERMET - VERSION 18081 ***   ***   ***   ***   ***   19:36:26
*** MODELOPTs:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*   ***   PAGE   91

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: HAULPM2. ***
      INCLUDING SOURCE(S):   L0000023   ,   L0000024   ,   L0000025   ,   L0000026   ,   L0000027   ,
L0000028   ,   L0000029   ,   L0000030   ,   L0000031   ,   L0000032   ,   L0000033   ,   L0000034   ,   L0000035   ,
L0000036   ,   L0000037   ,   L0000038   ,   L0000039   ,   L0000040   ,   L0000041   ,   L0000042   ,   L0000043   ,
L0000044   ,

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*** 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	X-COORD (M)	Y-COORD (M)	CONC
601400.69	4131918.47	1.34149	601410.69	4131918.47	1.27004			
601420.69	4131918.47	1.20146	601430.69	4131918.47	1.13567			
601440.69	4131918.47	1.07260	601450.69	4131918.47	1.01221			
601460.69	4131918.47	0.95448	601470.69	4131918.47	0.89945			
601480.69	4131918.47	0.84697	601490.69	4131918.47	0.79714			
601500.69	4131918.47	0.74983	601510.69	4131918.47	0.70505			
601520.69	4131918.47	0.66277	601570.69	4131918.47	0.48653			
601580.69	4131918.47	0.45775	601590.69	4131918.47	0.43090			
601600.69	4131918.47	0.40588	601610.69	4131918.47	0.38258			
601620.69	4131918.47	0.36106	601630.69	4131918.47	0.34109			
601340.69	4131928.47	1.86127	601390.69	4131928.47	1.41949			
601400.69	4131928.47	1.34141	601410.69	4131928.47	1.26644			
601420.69	4131928.47	1.19452	601430.69	4131928.47	1.12561			
601440.69	4131928.47	1.05967	601450.69	4131928.47	0.99672			
601460.69	4131928.47	0.93676	601470.69	4131928.47	0.87995			
601480.69	4131928.47	0.82613	601490.69	4131928.47	0.77521			
601500.69	4131928.47	0.72704	601510.69	4131928.47	0.68166			
601520.69	4131928.47	0.63906	601530.69	4131928.47	0.59917			
601580.69	4131928.47	0.43646	601590.69	4131928.47	0.41044			
601600.69	4131928.47	0.38630	601610.69	4131928.47	0.36392			
601620.69	4131928.47	0.34329	601380.69	4131938.47	1.50692			
601390.69	4131938.47	1.42101	601400.69	4131938.47	1.33855			
601410.69	4131938.47	1.25947	601420.69	4131938.47	1.18375			
601430.69	4131938.47	1.11139	601440.69	4131938.47	1.04243			
601450.69	4131938.47	0.97687	601460.69	4131938.47	0.91474			
601470.69	4131938.47	0.85637	601480.69	4131938.47	0.80137			
601490.69	4131938.47	0.74970	601500.69	4131938.47	0.70100			
601510.69	4131938.47	0.65539	601520.69	4131938.47	0.61286			
601530.69	4131938.47	0.57328	601540.69	4131938.47	0.53651			
601550.69	4131938.47	0.50241	601590.69	4131938.47	0.38960			
601600.69	4131938.47	0.36654	601610.69	4131938.47	0.34524			
601620.69	4131938.47	0.32559	601370.69	4131948.47	1.60563			
601380.69	4131948.47	1.51039	601390.69	4131948.47	1.41902			
601400.69	4131948.47	1.33149	601410.69	4131948.47	1.24778			

601420.69	4131948.47	1.16793
601440.69	4131948.47	1.02006
601460.69	4131948.47	0.88804
601480.69	4131948.47	0.77255
601500.69	4131948.47	0.67166
601520.69	4131948.47	0.58429

601430.69	4131948.47	1.09198
601450.69	4131948.47	0.95203
601470.69	4131948.47	0.82832
601490.69	4131948.47	0.72042
601510.69	4131948.47	0.62630
601530.69	4131948.47	0.54546

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc ***   11/17/24
*** AERMET - VERSION 18081 ***   ***   ***   ***   ***   19:36:26
***   ***   ***   ***   ***   ***   ***   ***   ***   19:36:26
***   ***   ***   ***   ***   ***   ***   ***   ***   PAGE 92

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*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
INCLUDING SOURCE(S):  L0000023    , L0000024    , L0000025    , L0000026    , L0000027    ,
L0000028    , L0000029    , L0000030    , L0000031    , L0000032    , L0000033    , L0000034    , L0000035    ,
L0000036    , L0000037    , L0000038    , L0000039    , L0000040    , L0000041    , L0000042    , L0000043    ,
L0000044    ,

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*** 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
601540.69	4131948.47	0.50962	601550.69	4131948.47	0.47658
601560.69	4131948.47	0.44615	601600.69	4131948.47	0.34680
601610.69	4131948.47	0.32671	601360.69	4131958.47	1.71803
601370.69	4131958.47	1.61150	601380.69	4131958.47	1.50946
601390.69	4131958.47	1.41182	601400.69	4131958.47	1.31862
601410.69	4131958.47	1.22993	601420.69	4131958.47	1.14583
601430.69	4131958.47	1.06637	601440.69	4131958.47	0.99180
601450.69	4131958.47	0.92194	601460.69	4131958.47	0.85665
601470.69	4131958.47	0.79597	601480.69	4131958.47	0.73963
601490.69	4131958.47	0.68748	601500.69	4131958.47	0.63918
601510.69	4131958.47	0.59462	601520.69	4131958.47	0.55366
601530.69	4131958.47	0.51604	601540.69	4131958.47	0.48154
601550.69	4131958.47	0.44992	601560.69	4131958.47	0.42095
601570.69	4131958.47	0.39440	601360.69	4131968.47	1.72695
601370.69	4131968.47	1.61188	601380.69	4131968.47	1.50201
601390.69	4131968.47	1.39744	601400.69	4131968.47	1.29823
601410.69	4131968.47	1.20450	601420.69	4131968.47	1.11633
601430.69	4131968.47	1.03374	601440.69	4131968.47	0.95714
601450.69	4131968.47	0.88600	601460.69	4131968.47	0.82017
601470.69	4131968.47	0.75922	601480.69	4131968.47	0.70307
601490.69	4131968.47	0.65160	601500.69	4131968.47	0.60440
601510.69	4131968.47	0.56123	601520.69	4131968.47	0.52181
601530.69	4131968.47	0.48585	601540.69	4131968.47	0.45306
601550.69	4131968.47	0.42317	601560.69	4131968.47	0.39590
601570.69	4131968.47	0.37102	601580.69	4131968.47	0.34829
601590.69	4131968.47	0.32752	601390.69	4131978.47	1.37393
601400.69	4131978.47	1.26882	601410.69	4131978.47	1.17038
601420.69	4131978.47	1.07870	601430.69	4131978.47	0.99375
601440.69	4131978.47	0.91583	601450.69	4131978.47	0.84435
601460.69	4131978.47	0.77875	601470.69	4131978.47	0.71852
601480.69	4131978.47	0.66350	601490.69	4131978.47	0.61347
601500.69	4131978.47	0.56804	601510.69	4131978.47	0.52681
601520.69	4131978.47	0.48942	601530.69	4131978.47	0.45551
601540.69	4131978.47	0.42475	601550.69	4131978.47	0.39682

601560.69	4131978.47	0.37145
601580.69	4131978.47	0.32734
601400.69	4131988.47	1.22938
601420.69	4131988.47	1.03298
601440.69	4131988.47	0.86855
601460.69	4131988.47	0.73301

601570.69	4131978.47	0.34836
601390.69	4131988.47	1.33969
601410.69	4131988.47	1.12712
601430.69	4131988.47	0.94681
601450.69	4131988.47	0.79746
601470.69	4131988.47	0.67453

*** AERMOD - VERSION 23132 *** *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc *** 11/17/24
*** AERMET - VERSION 18081 *** *** *** *** 19:36:26
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*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

 *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
L0000044 ,

*** 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
601480.69	4131988.47	0.62164	601490.69	4131988.47	0.57394
601500.69	4131988.47	0.53093	601510.69	4131988.47	0.49217
601520.69	4131988.47	0.45721	601530.69	4131988.47	0.42566
601540.69	4131988.47	0.39715	601550.69	4131988.47	0.37136
601560.69	4131988.47	0.34799	601570.69	4131988.47	0.32678
601580.69	4131988.47	0.30748	601390.69	4131998.47	1.29246
601400.69	4131998.47	1.17833	601410.69	4131998.47	1.07377
601420.69	4131998.47	0.97879	601430.69	4131998.47	0.89298
601440.69	4131998.47	0.81583	601450.69	4131998.47	0.74652
601460.69	4131998.47	0.68442	601470.69	4131998.47	0.62870
601480.69	4131998.47	0.57876	601490.69	4131998.47	0.53406
601500.69	4131998.47	0.49402	601510.69	4131998.47	0.45811
601520.69	4131998.47	0.42588	601530.69	4131998.47	0.39690
601540.69	4131998.47	0.37078	601550.69	4131998.47	0.34721
601400.69	4132008.47	1.11532	601410.69	4132008.47	1.01066
601420.69	4132008.47	0.91691	601430.69	4132008.47	0.83335
601440.69	4132008.47	0.75905	601450.69	4132008.47	0.69303
601460.69	4132008.47	0.63441	601470.69	4132008.47	0.58235
601480.69	4132008.47	0.53608	601490.69	4132008.47	0.49490
601500.69	4132008.47	0.45819	601510.69	4132008.47	0.42541
601520.69	4132008.47	0.39606	601530.69	4132008.47	0.36973
601540.69	4132008.47	0.34607	601550.69	4132008.47	0.32473
601410.69	4132018.47	0.93910	601420.69	4132018.47	0.84893
601430.69	4132018.47	0.76963	601440.69	4132018.47	0.69990
601450.69	4132018.47	0.63856	601460.69	4132018.47	0.58454
601470.69	4132018.47	0.53689	601480.69	4132018.47	0.49476
601490.69	4132018.47	0.45743	601500.69	4132018.47	0.42426
601510.69	4132018.47	0.39469	601520.69	4132018.47	0.36827
601530.69	4132018.47	0.34464	601540.69	4132018.47	0.32341
601300.69	4132028.47	3.01907	601310.69	4132028.47	2.70690
601420.69	4132028.47	0.77807	601430.69	4132028.47	0.70477
601440.69	4132028.47	0.64093	601450.69	4132028.47	0.58521
601460.69	4132028.47	0.53643	601470.69	4132028.47	0.49360
601480.69	4132028.47	0.45585	601490.69	4132028.47	0.42247

601500.69	4132028.47	0.39285
601520.69	4132028.47	0.34284
601300.69	4132038.47	3.04902
601320.69	4132038.47	2.36276
601340.69	4132038.47	1.81742
601430.69	4132038.47	0.64136

601510.69	4132028.47	0.36645
601530.69	4132028.47	0.32177
601310.69	4132038.47	2.68835
601330.69	4132038.47	2.07271
601420.69	4132038.47	0.70736
601440.69	4132038.47	0.58428

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
L0000044 ,

*** 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
601450.69	4132038.47	0.53470	601460.69	4132038.47	0.49144
601470.69	4132038.47	0.45353	601480.69	4132038.47	0.42015
601490.69	4132038.47	0.39062	601500.69	4132038.47	0.36439
601510.69	4132038.47	0.34100	601520.69	4132038.47	0.32003
601310.69	4132048.47	2.61431	601320.69	4132048.47	2.25612
601330.69	4132048.47	1.94782	601340.69	4132048.47	1.68548
601420.69	4132048.47	0.63980	601430.69	4132048.47	0.58179
601440.69	4132048.47	0.53178	601450.69	4132048.47	0.48842
601460.69	4132048.47	0.45060	601470.69	4132048.47	0.41742
601480.69	4132048.47	0.38815	601490.69	4132048.47	0.36220
601500.69	4132048.47	0.33916	601510.69	4132048.47	0.31854
601320.69	4132058.47	2.09162	601330.69	4132058.47	1.77982
601340.69	4132058.47	1.52376	601350.69	4132058.47	1.31417
601420.69	4132058.47	0.57790	601430.69	4132058.47	0.52789
601440.69	4132058.47	0.48474	601450.69	4132058.47	0.44727
601460.69	4132058.47	0.41448	601470.69	4132058.47	0.38562
601480.69	4132058.47	0.36006	601490.69	4132058.47	0.33729
601500.69	4132058.47	0.31703	601510.69	4132058.47	0.29886
601330.69	4132068.47	1.57913	601340.69	4132068.47	1.34415
601350.69	4132068.47	1.15652	601360.69	4132068.47	1.00564
601420.69	4132068.47	0.52336	601430.69	4132068.47	0.48075
601440.69	4132068.47	0.44383	601450.69	4132068.47	0.41164
601460.69	4132068.47	0.38332	601470.69	4132068.47	0.35821
601480.69	4132068.47	0.33584	601340.69	4132078.47	1.16300
601350.69	4132078.47	1.00458	601360.69	4132078.47	0.87860
601370.69	4132078.47	0.77698	601430.69	4132078.47	0.44069
601440.69	4132078.47	0.40921	601450.69	4132078.47	0.38155
601460.69	4132078.47	0.35703	601350.69	4132088.47	0.87068
601360.69	4132088.47	0.76914	601370.69	4132088.47	0.68681
601380.69	4132088.47	0.61909	601390.69	4132088.47	0.56255
601430.69	4132088.47	0.40732	601440.69	4132088.47	0.38024
601450.69	4132088.47	0.35629	601370.69	4132098.47	0.61415
601380.69	4132098.47	0.55881	601390.69	4132098.47	0.51199
601400.69	4132098.47	0.47185	601380.69	4132108.47	0.51138

601390.69	4132108.47	0.47181
601410.69	4132108.47	0.40748

601400.69	4132108.47	0.43746
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
 INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601470.69	4131438.47	0.56663	601480.69	4131438.47	0.60909
601490.69	4131438.47	0.65337	601470.69	4131448.47	0.64580
601480.69	4131448.47	0.69514	601490.69	4131448.47	0.74603
601460.69	4131458.47	0.68466	601470.69	4131458.47	0.73989
601480.69	4131458.47	0.79706	601490.69	4131458.47	0.85535
601500.69	4131458.47	0.91367	601510.69	4131458.47	0.97142
601450.69	4131468.47	0.72646	601460.69	4131468.47	0.78797
601470.69	4131468.47	0.85205	601480.69	4131468.47	0.91774
601490.69	4131468.47	0.98416	601500.69	4131468.47	1.04917
601510.69	4131468.47	1.11268	601520.69	4131468.47	1.17397
601530.69	4131468.47	1.23378	601450.69	4131478.47	0.84116
601460.69	4131478.47	0.91222	601470.69	4131478.47	0.98578
601480.69	4131478.47	1.06049	601490.69	4131478.47	1.13508
601500.69	4131478.47	1.20746	601510.69	4131478.47	1.27728
601520.69	4131478.47	1.34369	601530.69	4131478.47	1.40675
601540.69	4131478.47	1.46479	601470.69	4131488.47	1.14596
601480.69	4131488.47	1.23034	601490.69	4131488.47	1.31334
601500.69	4131488.47	1.39316	601510.69	4131488.47	1.46875
601520.69	4131488.47	1.53914	601530.69	4131488.47	1.60398
601540.69	4131488.47	1.66173	601550.69	4131488.47	1.71170
601560.69	4131488.47	1.75345	601480.69	4131498.47	1.43237
601490.69	4131498.47	1.52349	601500.69	4131498.47	1.60983
601510.69	4131498.47	1.68994	601520.69	4131498.47	1.76257
601530.69	4131498.47	1.82667	601540.69	4131498.47	1.88146
601550.69	4131498.47	1.92643	601560.69	4131498.47	1.96132
601570.69	4131498.47	1.98609	601430.69	4131508.47	1.13824
601440.69	4131508.47	1.24455	601450.69	4131508.47	1.35262
601490.69	4131508.47	1.77007	601500.69	4131508.47	1.86069
601510.69	4131508.47	1.94226	601520.69	4131508.47	2.01353
601530.69	4131508.47	2.07359	601540.69	4131508.47	2.12189
601550.69	4131508.47	2.15817	601560.69	4131508.47	2.18246
601570.69	4131508.47	2.19504	601580.69	4131508.47	2.19639
601590.69	4131508.47	2.18712	601420.69	4131518.47	1.22751
601430.69	4131518.47	1.35060	601440.69	4131518.47	1.47589
601450.69	4131518.47	1.60147	601460.69	4131518.47	1.72447
601470.69	4131518.47	1.84333	601500.69	4131518.47	2.15010
601510.69	4131518.47	2.22940	601520.69	4131518.47	2.29513

601530.69	4131518.47	2.34669
601550.69	4131518.47	2.40681
601570.69	4131518.47	2.41210

601540.69	4131518.47	2.38387
601560.69	4131518.47	2.41599
601580.69	4131518.47	2.39599

601570.69	4131558.47	3.24819
601590.69	4131558.47	2.98727
601610.69	4131558.47	2.70753

601580.69	4131558.47	3.12120
601600.69	4131558.47	2.84870
601620.69	4131558.47	2.56561

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601380.69	4131568.47	2.16463	601390.69	4131568.47	2.45520
601400.69	4131568.47	2.74810	601410.69	4131568.47	3.03093
601420.69	4131568.47	3.29528	601430.69	4131568.47	3.53398
601440.69	4131568.47	3.74049	601450.69	4131568.47	3.91074
601460.69	4131568.47	4.04298	601470.69	4131568.47	4.13463
601480.69	4131568.47	4.18753	601490.69	4131568.47	4.20388
601500.69	4131568.47	4.18630	601510.69	4131568.47	4.13794
601520.69	4131568.47	4.06246	601530.69	4131568.47	3.96361
601570.69	4131568.47	3.40795	601580.69	4131568.47	3.24569
601590.69	4131568.47	3.07987	601600.69	4131568.47	2.91286
601610.69	4131568.47	2.74668	601620.69	4131568.47	2.58307
601370.69	4131578.47	2.41966	601380.69	4131578.47	2.77408
601390.69	4131578.47	3.13116	601400.69	4131578.47	3.47598
601410.69	4131578.47	3.79181	601420.69	4131578.47	4.06991
601430.69	4131578.47	4.30625	601440.69	4131578.47	4.49804
601450.69	4131578.47	4.64259	601460.69	4131578.47	4.73771
601470.69	4131578.47	4.78248	601480.69	4131578.47	4.78203
601490.69	4131578.47	4.74150	601500.69	4131578.47	4.66535
601510.69	4131578.47	4.55836	601520.69	4131578.47	4.42545
601530.69	4131578.47	4.27140	601540.69	4131578.47	4.10075
601550.69	4131578.47	3.91777	601590.69	4131578.47	3.13433
601600.69	4131578.47	2.93997	601610.69	4131578.47	2.75051
601360.69	4131588.47	2.72556	601370.69	4131588.47	3.16539
601380.69	4131588.47	3.60804	601390.69	4131588.47	4.03138
601400.69	4131588.47	4.41747	601410.69	4131588.47	4.74699
601420.69	4131588.47	5.01628	601430.69	4131588.47	5.22358
601440.69	4131588.47	5.37341	601450.69	4131588.47	5.46391
601460.69	4131588.47	5.49750	601470.69	4131588.47	5.47227
601480.69	4131588.47	5.39868	601490.69	4131588.47	5.28430
601500.69	4131588.47	5.13538	601510.69	4131588.47	4.95819
601520.69	4131588.47	4.75871	601530.69	4131588.47	4.54253
601540.69	4131588.47	4.31482	601550.69	4131588.47	4.08018
601560.69	4131588.47	3.84269	601350.69	4131598.47	3.09812
601360.69	4131598.47	3.65688	601370.69	4131598.47	4.21674
601380.69	4131598.47	4.74495	601390.69	4131598.47	5.21585
601400.69	4131598.47	5.61276	601410.69	4131598.47	5.92335
601420.69	4131598.47	6.14839	601430.69	4131598.47	6.29251

601440.69	4131598.47	6.36179
601460.69	4131598.47	6.30187
601480.69	4131598.47	6.01497

601450.69	4131598.47	6.36347
601470.69	4131598.47	6.18181
601490.69	4131598.47	5.81020

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
 INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601500.69	4131598.47	5.57537	601510.69	4131598.47	5.31785
601520.69	4131598.47	5.04443	601530.69	4131598.47	4.76125
601540.69	4131598.47	4.47377	601550.69	4131598.47	4.18668
601560.69	4131598.47	3.90394	601570.69	4131598.47	3.62880
601580.69	4131598.47	3.36379	601340.69	4131608.47	3.56227
601350.69	4131608.47	4.29165	601360.69	4131608.47	5.01981
601370.69	4131608.47	5.69148	601380.69	4131608.47	6.27031
601390.69	4131608.47	6.73702	601400.69	4131608.47	7.08656
601410.69	4131608.47	7.32022	601420.69	4131608.47	7.44931
601430.69	4131608.47	7.48349	601440.69	4131608.47	7.43172
601450.69	4131608.47	7.30735	601460.69	4131608.47	7.12193
601470.69	4131608.47	6.88318	601480.69	4131608.47	6.60403
601490.69	4131608.47	6.29402	601500.69	4131608.47	5.96211
601510.69	4131608.47	5.61647	601520.69	4131608.47	5.26434
601530.69	4131608.47	4.91206	601540.69	4131608.47	4.56499
601550.69	4131608.47	4.22747	601560.69	4131608.47	3.90295
601570.69	4131608.47	3.59397	601580.69	4131608.47	3.30227
601330.69	4131618.47	4.15098	601340.69	4131618.47	5.14579
601350.69	4131618.47	6.12624	601360.69	4131618.47	7.00207
601370.69	4131618.47	7.71699	601380.69	4131618.47	8.25384
601390.69	4131618.47	8.62204	601400.69	4131618.47	8.83525
601410.69	4131618.47	8.91736	601420.69	4131618.47	8.88648
601430.69	4131618.47	8.76130	601440.69	4131618.47	8.54477
601450.69	4131618.47	8.26029	601460.69	4131618.47	7.92279
601470.69	4131618.47	7.54421	601480.69	4131618.47	7.13581
601490.69	4131618.47	6.70822	601500.69	4131618.47	6.27106
601510.69	4131618.47	5.83282	601520.69	4131618.47	5.40078
601530.69	4131618.47	4.98093	601540.69	4131618.47	4.57798
601550.69	4131618.47	4.19538	601560.69	4131618.47	3.83551
601570.69	4131618.47	3.49974	601580.69	4131618.47	3.18863
601330.69	4131628.47	6.35515	601340.69	4131628.47	7.75427
601350.69	4131628.47	8.92841	601360.69	4131628.47	9.80611
601370.69	4131628.47	10.39543	601380.69	4131628.47	10.72833
601390.69	4131628.47	10.85612	601400.69	4131628.47	10.82262
601440.69	4131628.47	9.65284	601450.69	4131628.47	9.17937
601460.69	4131628.47	8.66731	601470.69	4131628.47	8.12936
601480.69	4131628.47	7.57782	601490.69	4131628.47	7.02387

601500.69	4131628.47	6.47737
601520.69	4131628.47	5.43812
601540.69	4131628.47	4.50584

601510.69	4131628.47	5.94660
601530.69	4131628.47	4.95677
601550.69	4131628.47	4.08716

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLG POL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601560.69	4131628.47	3.70138	601570.69	4131628.47	3.34822
601350.69	4131638.47	12.97693	601360.69	4131638.47	13.52561
601370.69	4131638.47	13.71478	601380.69	4131638.47	13.63609
601390.69	4131638.47	13.37239	601410.69	4131638.47	12.51407
601420.69	4131638.47	11.97345	601450.69	4131638.47	10.02352
601460.69	4131638.47	9.31348	601470.69	4131638.47	8.59983
601480.69	4131638.47	7.89539	601490.69	4131638.47	7.21150
601500.69	4131638.47	6.55753	601510.69	4131638.47	5.94043
601520.69	4131638.47	5.36489	601530.69	4131638.47	4.83345
601540.69	4131638.47	4.34692	601550.69	4131638.47	3.90467
601560.69	4131638.47	3.50502	601620.69	4131638.47	1.84888
601630.69	4131638.47	1.66875	601640.69	4131638.47	1.50873
601310.69	4131648.47	10.84028	601320.69	4131648.47	14.77328
601350.69	4131648.47	18.34924	601360.69	4131648.47	18.09070
601370.69	4131648.47	17.57010	601380.69	4131648.47	16.87749
601400.69	4131648.47	15.26276	601410.69	4131648.47	14.40887
601420.69	4131648.47	13.52785	601430.69	4131648.47	12.62206
601470.69	4131648.47	8.91422	601480.69	4131648.47	8.05366
601490.69	4131648.47	7.24502	601500.69	4131648.47	6.49359
601510.69	4131648.47	5.80413	601520.69	4131648.47	5.17765
601530.69	4131648.47	4.61292	601540.69	4131648.47	4.10716
601550.69	4131648.47	3.65653	601560.69	4131648.47	3.25662
601620.69	4131648.47	1.66987	601630.69	4131648.47	1.50396
601640.69	4131648.47	1.35760	601650.69	4131648.47	1.22849
601660.69	4131648.47	1.11415	601300.69	4131658.47	14.08488
601310.69	4131658.47	23.60544	601320.69	4131658.47	27.22807
601330.69	4131658.47	27.33637	601370.69	4131658.47	21.81650
601390.69	4131658.47	18.97456	601400.69	4131658.47	17.62948
601410.69	4131658.47	16.31961	601420.69	4131658.47	15.03386
601430.69	4131658.47	13.76030	601440.69	4131658.47	12.50059
601450.69	4131658.47	11.27940	601480.69	4131658.47	8.02277
601490.69	4131658.47	7.10685	601500.69	4131658.47	6.27920
601510.69	4131658.47	5.53988	601520.69	4131658.47	4.88494
601530.69	4131658.47	4.30794	601540.69	4131658.47	3.80173
601550.69	4131658.47	3.35888	601600.69	4131658.47	1.85896
601610.69	4131658.47	1.66280	601620.69	4131658.47	1.49193
601630.69	4131658.47	1.34245	601640.69	4131658.47	1.21127

601650.69	4131658.47	1.09638
601670.69	4131658.47	0.90587
601320.69	4131668.47	44.16422

601660.69	4131658.47	0.99523
601310.69	4131668.47	43.55159
601330.69	4131668.47	40.16263

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601340.69	4131668.47	35.90921	601350.69	4131668.47	32.23993
601390.69	4131668.47	22.01078	601400.69	4131668.47	20.05979
601410.69	4131668.47	18.20501	601420.69	4131668.47	16.42421
601430.69	4131668.47	14.71463	601440.69	4131668.47	13.08353
601450.69	4131668.47	11.55838	601460.69	4131668.47	10.15703
601500.69	4131668.47	5.91220	601510.69	4131668.47	5.15430
601520.69	4131668.47	4.49872	601530.69	4131668.47	3.93316
601540.69	4131668.47	3.44602	601590.69	4131668.47	1.85158
601600.69	4131668.47	1.64893	601610.69	4131668.47	1.47297
601620.69	4131668.47	1.32118	601630.69	4131668.47	1.18916
601640.69	4131668.47	1.07371	601650.69	4131668.47	0.97332
601660.69	4131668.47	0.88510	601670.69	4131668.47	0.80737
601680.69	4131668.47	0.73793	601700.69	4131668.47	0.62119
601320.69	4131678.47	58.75376	601330.69	4131678.47	54.74965
601340.69	4131678.47	47.38392	601350.69	4131678.47	40.95805
601390.69	4131678.47	25.25630	601400.69	4131678.47	22.54901
601410.69	4131678.47	19.99943	601420.69	4131678.47	17.60084
601430.69	4131678.47	15.36802	601440.69	4131678.47	13.32759
601450.69	4131678.47	11.49632	601460.69	4131678.47	9.88539
601470.69	4131678.47	8.49395	601480.69	4131678.47	7.30080
601510.69	4131678.47	4.66990	601520.69	4131678.47	4.04287
601530.69	4131678.47	3.51161	601540.69	4131678.47	3.06093
601580.69	4131678.47	1.83447	601590.69	4131678.47	1.62773
601600.69	4131678.47	1.44908	601610.69	4131678.47	1.29507
601620.69	4131678.47	1.16274	601630.69	4131678.47	1.04813
601640.69	4131678.47	0.94807	601650.69	4131678.47	0.86133
601660.69	4131678.47	0.78538	601670.69	4131678.47	0.71822
601680.69	4131678.47	0.65817	601690.69	4131678.47	0.60460
601700.69	4131678.47	0.55691	601330.69	4131688.47	66.89336
601340.69	4131688.47	61.37038	601350.69	4131688.47	52.04420
601360.69	4131688.47	44.17246	601370.69	4131688.47	38.01772
601390.69	4131688.47	28.80250	601400.69	4131688.47	25.02716
601410.69	4131688.47	21.54677	601420.69	4131688.47	18.37304
601430.69	4131688.47	15.54837	601440.69	4131688.47	13.10267
601450.69	4131688.47	11.02346	601460.69	4131688.47	9.27910
601470.69	4131688.47	7.83013	601480.69	4131688.47	6.62931
601490.69	4131688.47	5.63507	601530.69	4131688.47	3.06912

601580.69	4131688.47	1.59641
601600.69	4131688.47	1.26582
601620.69	4131688.47	1.02077

601590.69	4131688.47	1.41865
601610.69	4131688.47	1.13411
601630.69	4131688.47	0.92253

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601640.69	4131688.47	0.83677	601650.69	4131688.47	0.76220
601660.69	4131688.47	0.69666	601670.69	4131688.47	0.63875
601680.69	4131688.47	0.58706	601690.69	4131688.47	0.54093
601700.69	4131688.47	0.49979	601710.69	4131688.47	0.46298
601270.69	4131698.47	36.70131	601340.69	4131698.47	71.97629
601350.69	4131698.47	66.02034	601360.69	4131698.47	55.17924
601370.69	4131698.47	46.06074	601380.69	4131698.47	38.77606
601400.69	4131698.47	27.32456	601410.69	4131698.47	22.54197
601420.69	4131698.47	18.43970	601430.69	4131698.47	15.04327
601440.69	4131698.47	12.30488	601450.69	4131698.47	10.11120
601460.69	4131698.47	8.35959	601470.69	4131698.47	6.95299
601480.69	4131698.47	5.82068	601490.69	4131698.47	4.90673
601500.69	4131698.47	4.16235	601560.69	4131698.47	1.76085
601570.69	4131698.47	1.55539	601580.69	4131698.47	1.38071
601590.69	4131698.47	1.23101	601600.69	4131698.47	1.10230
601610.69	4131698.47	0.99130	601620.69	4131698.47	0.89557
601630.69	4131698.47	0.81222	601640.69	4131698.47	0.73933
601650.69	4131698.47	0.67554	601660.69	4131698.47	0.61929
601670.69	4131698.47	0.56957	601680.69	4131698.47	0.52523
601690.69	4131698.47	0.48564	601700.69	4131698.47	0.45022
601710.69	4131698.47	0.41843	601270.69	4131708.47	54.69584
601280.69	4131708.47	65.72480	601350.69	4131708.47	75.27872
601360.69	4131708.47	69.26472	601370.69	4131708.47	56.91310
601380.69	4131708.47	45.93123	601390.69	4131708.47	36.72190
601420.69	4131708.47	17.43003	601430.69	4131708.47	13.71957
601440.69	4131708.47	10.94449	601450.69	4131708.47	8.84023
601460.69	4131708.47	7.22280	601470.69	4131708.47	5.95647
601480.69	4131708.47	4.95728	601490.69	4131708.47	4.16278
601500.69	4131708.47	3.52488	601510.69	4131708.47	3.00810
601560.69	4131708.47	1.50772	601570.69	4131708.47	1.33677
601580.69	4131708.47	1.19135	601590.69	4131708.47	1.06692
601600.69	4131708.47	0.95988	601610.69	4131708.47	0.86732
601620.69	4131708.47	0.78688	601630.69	4131708.47	0.71665
601640.69	4131708.47	0.65503	601650.69	4131708.47	0.60076
601660.69	4131708.47	0.55275	601670.69	4131708.47	0.51011
601680.69	4131708.47	0.47210	601690.69	4131708.47	0.43810
601700.69	4131708.47	0.40758	601710.69	4131708.47	0.38010

601280.69	4131718.47	75.02031
601370.69	4131718.47	69.99050
601390.69	4131718.47	39.40854

601290.69	4131718.47	78.79469
601380.69	4131718.47	54.53149
601400.69	4131718.47	27.94733

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*** AERMOD - VERSION 23132 ***    *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc    ***    11/17/24
*** AERMET - VERSION 18081 ***    ***    ***    ***    19:36:26
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*** MODELOPTs:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ONSITEPM ***
    INCLUDING SOURCE(S):   ONSITEPM2.5 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601430.69	4131718.47	11.71132	601440.69	4131718.47	9.21804
601450.69	4131718.47	7.38843	601460.69	4131718.47	6.01196
601470.69	4131718.47	4.94871	601480.69	4131718.47	4.11798
601490.69	4131718.47	3.46222	601500.69	4131718.47	2.93834
601550.69	4131718.47	1.45506	601560.69	4131718.47	1.28951
601570.69	4131718.47	1.14917	601580.69	4131718.47	1.02941
601590.69	4131718.47	0.92660	601600.69	4131718.47	0.83783
601610.69	4131718.47	0.76076	601620.69	4131718.47	0.69351
601630.69	4131718.47	0.63454	601640.69	4131718.47	0.58259
601650.69	4131718.47	0.53663	601660.69	4131718.47	0.49579
601670.69	4131718.47	0.45938	601680.69	4131718.47	0.42678
601690.69	4131718.47	0.39750	601700.69	4131718.47	0.37111
601710.69	4131718.47	0.34725	601290.69	4131728.47	82.29425
601300.69	4131728.47	84.56123	601380.69	4131728.47	58.30017
601390.69	4131728.47	35.58589	601400.69	4131728.47	23.38322
601410.69	4131728.47	16.57484	601440.69	4131728.47	7.44176
601450.69	4131728.47	5.97617	601460.69	4131728.47	4.87765
601470.69	4131728.47	4.03014	601480.69	4131728.47	3.36858
601490.69	4131728.47	2.84657	601500.69	4131728.47	2.42933
601540.69	4131728.47	1.39964	601550.69	4131728.47	1.24078
601560.69	4131728.47	1.10643	601570.69	4131728.47	0.99196
601580.69	4131728.47	0.89381	601590.69	4131728.47	0.80909
601600.69	4131728.47	0.73557	601610.69	4131728.47	0.67140
601620.69	4131728.47	0.61510	601630.69	4131728.47	0.56548
601640.69	4131728.47	0.52155	601650.69	4131728.47	0.48248
601660.69	4131728.47	0.44760	601670.69	4131728.47	0.41635
601680.69	4131728.47	0.38825	601690.69	4131728.47	0.36289
601700.69	4131728.47	0.33994	601710.69	4131728.47	0.31910
601300.69	4131738.47	85.24917	601310.69	4131738.47	87.46865
601380.69	4131738.47	41.63831	601390.69	4131738.47	25.55133
601400.69	4131738.47	17.43005	601410.69	4131738.47	12.64138
601420.69	4131738.47	9.53383	601450.69	4131738.47	4.75111
601460.69	4131738.47	3.90664	601470.69	4131738.47	3.25280
601480.69	4131738.47	2.74011	601490.69	4131738.47	2.33395
601540.69	4131738.47	1.19270	601550.69	4131738.47	1.06481
601560.69	4131738.47	0.95593	601570.69	4131738.47	0.86255
601580.69	4131738.47	0.78195	601590.69	4131738.47	0.71194

601600.69	4131738.47	0.65079
601620.69	4131738.47	0.54971
601640.69	4131738.47	0.47043

601610.69	4131738.47	0.59709
601630.69	4131738.47	0.50777
601650.69	4131738.47	0.43698

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
 INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601660.69	4131738.47	0.40698	601670.69	4131738.47	0.37995
601680.69	4131738.47	0.35554	601690.69	4131738.47	0.33342
601700.69	4131738.47	0.31330	601710.69	4131738.47	0.29496
601240.69	4131748.47	38.43150	601310.69	4131748.47	85.56228
601320.69	4131748.47	87.52498	601330.69	4131748.47	82.87643
601400.69	4131748.47	12.77003	601410.69	4131748.47	9.51524
601420.69	4131748.47	7.29999	601430.69	4131748.47	5.73566
601470.69	4131748.47	2.62927	601480.69	4131748.47	2.23730
601490.69	4131748.47	1.92440	601530.69	4131748.47	1.14784
601540.69	4131748.47	1.02634	601550.69	4131748.47	0.92286
601560.69	4131748.47	0.83406	601570.69	4131748.47	0.75733
601580.69	4131748.47	0.69061	601590.69	4131748.47	0.63225
601600.69	4131748.47	0.58092	601610.69	4131748.47	0.53557
601620.69	4131748.47	0.49552	601630.69	4131748.47	0.45986
601640.69	4131748.47	0.42792	601650.69	4131748.47	0.39904
601660.69	4131748.47	0.37293	601670.69	4131748.47	0.34932
601680.69	4131748.47	0.32789	601690.69	4131748.47	0.30839
601700.69	4131748.47	0.29059	601710.69	4131748.47	0.27430
601220.69	4131758.47	18.45681	601230.69	4131758.47	25.33316
601240.69	4131758.47	33.94733	601250.69	4131758.47	42.39651
601320.69	4131758.47	83.77932	601330.69	4131758.47	85.06465
601340.69	4131758.47	77.69494	601400.69	4131758.47	9.41614
601410.69	4131758.47	7.15727	601420.69	4131758.47	5.58291
601430.69	4131758.47	4.45356	601440.69	4131758.47	3.62525
601480.69	4131758.47	1.84899	601530.69	4131758.47	0.99339
601540.69	4131758.47	0.89465	601550.69	4131758.47	0.80982
601560.69	4131758.47	0.73641	601570.69	4131758.47	0.67249
601580.69	4131758.47	0.61648	601590.69	4131758.47	0.56715
601600.69	4131758.47	0.52349	601610.69	4131758.47	0.48468
601620.69	4131758.47	0.45035	601630.69	4131758.47	0.41972
601640.69	4131758.47	0.39208	601650.69	4131758.47	0.36684
601660.69	4131758.47	0.34390	601670.69	4131758.47	0.32305
601680.69	4131758.47	0.30406	601690.69	4131758.47	0.28670
601220.69	4131768.47	17.27429	601230.69	4131768.47	21.97783
601240.69	4131768.47	27.87563	601250.69	4131768.47	35.16003
601260.69	4131768.47	43.34717	601340.69	4131768.47	72.71494
601390.69	4131768.47	9.17359	601400.69	4131768.47	6.89850

601410.69	4131768.47	5.35622
601430.69	4131768.47	3.47681
601450.69	4131768.47	2.42771

601420.69	4131768.47	4.26875
601440.69	4131768.47	2.88329
601460.69	4131768.47	2.07099

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601540.69	4131768.47	0.79166	601550.69	4131768.47	0.72068
601560.69	4131768.47	0.65877	601570.69	4131768.47	0.60456
601580.69	4131768.47	0.55673	601590.69	4131768.47	0.51427
601600.69	4131768.47	0.47648	601610.69	4131768.47	0.44270
601620.69	4131768.47	0.41280	601630.69	4131768.47	0.38595
601640.69	4131768.47	0.36170	601650.69	4131768.47	0.33934
601660.69	4131768.47	0.31893	601670.69	4131768.47	0.30031
601680.69	4131768.47	0.28330	601690.69	4131768.47	0.26771
601220.69	4131778.47	15.74095	601230.69	4131778.47	19.11134
601240.69	4131778.47	23.23501	601250.69	4131778.47	28.35705
601260.69	4131778.47	35.03597	601270.69	4131778.47	43.25034
601340.69	4131778.47	56.07359	601400.69	4131778.47	5.01451
601410.69	4131778.47	4.00987	601420.69	4131778.47	3.28685
601430.69	4131778.47	2.74672	601440.69	4131778.47	2.33022
601450.69	4131778.47	2.00095	601460.69	4131778.47	1.73580
601500.69	4131778.47	1.06216	601510.69	4131778.47	0.95410
601550.69	4131778.47	0.65079	601560.69	4131778.47	0.59761
601570.69	4131778.47	0.55071	601580.69	4131778.47	0.50909
601590.69	4131778.47	0.47180	601600.69	4131778.47	0.43838
601610.69	4131778.47	0.40840	601620.69	4131778.47	0.38161
601630.69	4131778.47	0.35753	601640.69	4131778.47	0.33564
601650.69	4131778.47	0.31553	601660.69	4131778.47	0.29715
601670.69	4131778.47	0.28036	601680.69	4131778.47	0.26497
601690.69	4131778.47	0.25083	601210.69	4131788.47	12.11652
601220.69	4131788.47	14.21513	601230.69	4131788.47	16.70278
601240.69	4131788.47	19.67211	601250.69	4131788.47	23.24669
601260.69	4131788.47	27.77650	601270.69	4131788.47	33.79712
601280.69	4131788.47	41.68352	601290.69	4131788.47	47.60542
601340.69	4131788.47	32.14589	601350.69	4131788.47	18.28652
601410.69	4131788.47	3.06950	601420.69	4131788.47	2.58955
601430.69	4131788.47	2.21956	601440.69	4131788.47	1.92536
601450.69	4131788.47	1.68536	601460.69	4131788.47	1.48611
601500.69	4131788.47	0.94894	601510.69	4131788.47	0.85809
601520.69	4131788.47	0.77905	601530.69	4131788.47	0.70998
601570.69	4131788.47	0.50772	601580.69	4131788.47	0.47072
601590.69	4131788.47	0.43729	601600.69	4131788.47	0.40717
601610.69	4131788.47	0.38006	601620.69	4131788.47	0.35567

601630.69	4131788.47	0.33362
601650.69	4131788.47	0.29523
601670.69	4131788.47	0.26310

601640.69	4131788.47	0.31355
601660.69	4131788.47	0.27845
601680.69	4131788.47	0.24901

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc   ***   11/17/24
*** AERMET - VERSION 18081 ***   ***   ***   ***   ***   19:36:26
                                                                                                     ***   PAGE 105

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*** MODELOPTs:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ONSITEPM ***
    INCLUDING SOURCE(S):   ONSITEPM2.5 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601690.69	4131788.47	0.23604	601200.69	4131798.47	9.75142
601210.69	4131798.47	11.17629	601220.69	4131798.47	12.77963
601230.69	4131798.47	14.64679	601240.69	4131798.47	16.81346
601250.69	4131798.47	19.33170	601260.69	4131798.47	22.35069
601270.69	4131798.47	26.16463	601280.69	4131798.47	31.23606
601290.69	4131798.47	38.08085	601300.69	4131798.47	43.74156
601330.69	4131798.47	28.26833	601340.69	4131798.47	15.73438
601350.69	4131798.47	10.31166	601360.69	4131798.47	7.33800
601420.69	4131798.47	2.10770	601430.69	4131798.47	1.84310
601440.69	4131798.47	1.62774	601450.69	4131798.47	1.44801
601480.69	4131798.47	1.04859	601490.69	4131798.47	0.94829
601500.69	4131798.47	0.86027	601510.69	4131798.47	0.78279
601520.69	4131798.47	0.71438	601530.69	4131798.47	0.65387
601540.69	4131798.47	0.60029	601580.69	4131798.47	0.43973
601590.69	4131798.47	0.40917	601600.69	4131798.47	0.38155
601610.69	4131798.47	0.35662	601620.69	4131798.47	0.33406
601630.69	4131798.47	0.31360	601640.69	4131798.47	0.29499
601650.69	4131798.47	0.27800	601660.69	4131798.47	0.26248
601670.69	4131798.47	0.24825	601680.69	4131798.47	0.23518
601690.69	4131798.47	0.22315	601190.69	4131808.47	8.07361
601200.69	4131808.47	9.09520	601210.69	4131808.47	10.21321
601220.69	4131808.47	11.44784	601230.69	4131808.47	12.84723
601240.69	4131808.47	14.40918	601250.69	4131808.47	16.15073
601260.69	4131808.47	18.10838	601270.69	4131808.47	20.36837
601280.69	4131808.47	23.06331	601290.69	4131808.47	26.35775
601300.69	4131808.47	29.99437	601310.69	4131808.47	29.56676
601320.69	4131808.47	19.70045	601330.69	4131808.47	12.68451
601340.69	4131808.47	8.79874	601350.69	4131808.47	6.56558
601360.69	4131808.47	5.07728	601370.69	4131808.47	4.03394
601440.69	4131808.47	1.40532	601470.69	4131808.47	1.03855
601480.69	4131808.47	0.94508	601490.69	4131808.47	0.86187
601500.69	4131808.47	0.78759	601510.69	4131808.47	0.72110
601520.69	4131808.47	0.66155	601530.69	4131808.47	0.60841
601540.69	4131808.47	0.56081	601590.69	4131808.47	0.38590
601600.69	4131808.47	0.36027	601610.69	4131808.47	0.33707
601620.69	4131808.47	0.31602	601630.69	4131808.47	0.29688
601640.69	4131808.47	0.27945	601650.69	4131808.47	0.26353

601660.69	4131808.47	0.24897
601680.69	4131808.47	0.22333
601190.69	4131818.47	7.57752

601670.69	4131808.47	0.23561
601180.69	4131818.47	6.82382
601200.69	4131818.47	8.38349

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** 11/17/24
*** 19:36:26
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601210.69	4131818.47	9.25179	601220.69	4131818.47	10.18788
601230.69	4131818.47	11.20838	601240.69	4131818.47	12.29606
601250.69	4131818.47	13.43305	601260.69	4131818.47	14.59173
601270.69	4131818.47	15.73762	601280.69	4131818.47	16.79451
601290.69	4131818.47	17.54061	601300.69	4131818.47	17.30869
601310.69	4131818.47	14.88960	601320.69	4131818.47	10.80947
601330.69	4131818.47	7.81340	601340.69	4131818.47	5.95211
601350.69	4131818.47	4.71691	601360.69	4131818.47	3.81900
601370.69	4131818.47	3.15062	601380.69	4131818.47	2.64940
601460.69	4131818.47	1.02222	601470.69	4131818.47	0.93542
601480.69	4131818.47	0.85802	601490.69	4131818.47	0.78842
601500.69	4131818.47	0.72543	601510.69	4131818.47	0.66830
601520.69	4131818.47	0.61643	601530.69	4131818.47	0.56972
601540.69	4131818.47	0.52748	601550.69	4131818.47	0.48906
601590.69	4131818.47	0.36681	601600.69	4131818.47	0.34283
601610.69	4131818.47	0.32104	601620.69	4131818.47	0.30120
601630.69	4131818.47	0.28313	601640.69	4131818.47	0.26662
601650.69	4131818.47	0.25152	601660.69	4131818.47	0.23769
601670.69	4131818.47	0.22500	601680.69	4131818.47	0.21332
601170.69	4131828.47	5.85494	601180.69	4131828.47	6.42810
601190.69	4131828.47	7.02236	601200.69	4131828.47	7.64643
601210.69	4131828.47	8.30204	601220.69	4131828.47	8.98508
601230.69	4131828.47	9.69125	601240.69	4131828.47	10.39294
601250.69	4131828.47	11.05003	601260.69	4131828.47	11.60172
601270.69	4131828.47	11.97477	601280.69	4131828.47	12.04704
601290.69	4131828.47	11.64163	601300.69	4131828.47	10.58800
601310.69	4131828.47	8.96709	601320.69	4131828.47	7.06704
601330.69	4131828.47	5.49498	601340.69	4131828.47	4.39370
601350.69	4131828.47	3.60186	601360.69	4131828.47	3.00441
601370.69	4131828.47	2.54403	601380.69	4131828.47	2.18875
601390.69	4131828.47	1.91175	601460.69	4131828.47	0.92190
601470.69	4131828.47	0.84879	601480.69	4131828.47	0.78364
601490.69	4131828.47	0.72474	601500.69	4131828.47	0.67100
601510.69	4131828.47	0.62179	601520.69	4131828.47	0.57665
601530.69	4131828.47	0.53568	601540.69	4131828.47	0.49815
601550.69	4131828.47	0.46374	601590.69	4131828.47	0.35086
601600.69	4131828.47	0.32838	601610.69	4131828.47	0.30783

601620.69	4131828.47	0.28904
601640.69	4131828.47	0.25610
601660.69	4131828.47	0.22842

601630.69	4131828.47	0.27185
601650.69	4131828.47	0.24167
601670.69	4131828.47	0.21624

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601680.69	4131828.47	0.20503	601160.69	4131838.47	5.07796
601170.69	4131838.47	5.52327	601180.69	4131838.47	5.97730
601190.69	4131838.47	6.43752	601200.69	4131838.47	6.90451
601210.69	4131838.47	7.37675	601220.69	4131838.47	7.84357
601230.69	4131838.47	8.28970	601240.69	4131838.47	8.68145
601250.69	4131838.47	8.97734	601260.69	4131838.47	9.12566
601270.69	4131838.47	9.06535	601280.69	4131838.47	8.73723
601290.69	4131838.47	8.12057	601300.69	4131838.47	7.26502
601310.69	4131838.47	6.23641	601320.69	4131838.47	5.12952
601330.69	4131838.47	4.16329	601340.69	4131838.47	3.42489
601350.69	4131838.47	2.86616	601360.69	4131838.47	2.43465
601370.69	4131838.47	2.09833	601380.69	4131838.47	1.83579
601390.69	4131838.47	1.62899	601400.69	4131838.47	1.46067
601460.69	4131838.47	0.83772	601470.69	4131838.47	0.77530
601480.69	4131838.47	0.71967	601490.69	4131838.47	0.66934
601500.69	4131838.47	0.62310	601510.69	4131838.47	0.58049
601520.69	4131838.47	0.54113	601530.69	4131838.47	0.50493
601540.69	4131838.47	0.47153	601550.69	4131838.47	0.44053
601560.69	4131838.47	0.41155	601590.69	4131838.47	0.33714
601600.69	4131838.47	0.31611	601620.69	4131838.47	0.27895
601630.69	4131838.47	0.26257	601640.69	4131838.47	0.24751
601650.69	4131838.47	0.23364	601660.69	4131838.47	0.22088
601670.69	4131838.47	0.20912	601160.69	4131848.47	4.79249
601170.69	4131848.47	5.14334	601180.69	4131848.47	5.49255
601190.69	4131848.47	5.83577	601200.69	4131848.47	6.17004
601210.69	4131848.47	6.48878	601220.69	4131848.47	6.78000
601230.69	4131848.47	7.02392	601240.69	4131848.47	7.19117
601250.69	4131848.47	7.25176	601260.69	4131848.47	7.17680
601270.69	4131848.47	6.94190	601280.69	4131848.47	6.54301
601290.69	4131848.47	6.00982	601300.69	4131848.47	5.38736
601310.69	4131848.47	4.68791	601320.69	4131848.47	3.95846
601330.69	4131848.47	3.30226	601340.69	4131848.47	2.77287
601350.69	4131848.47	2.35431	601360.69	4131848.47	2.02380
601370.69	4131848.47	1.76393	601380.69	4131848.47	1.56006
601390.69	4131848.47	1.39980	601400.69	4131848.47	1.26984
601410.69	4131848.47	1.15921	601440.69	4131848.47	0.89534
601450.69	4131848.47	0.82606	601460.69	4131848.47	0.76487

601470.69	4131848.47	0.71114
601490.69	4131848.47	0.61990
601510.69	4131848.47	0.54275

601480.69	4131848.47	0.66330
601500.69	4131848.47	0.57983
601520.69	4131848.47	0.50836

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*** MODELOPTS:      NonDEFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*
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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S):      ONSITEPM2.5 ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***
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** CONC OF OTHER      IN MICROGRAMS/M**3           **
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601530.69	4131848.47	0.47646	601540.69	4131848.47	0.44674
601550.69	4131848.47	0.41892	601590.69	4131848.47	0.32489
601600.69	4131848.47	0.30532	601610.69	4131848.47	0.28717
601620.69	4131848.47	0.27036	601630.69	4131848.47	0.25479
601640.69	4131848.47	0.24039	601650.69	4131848.47	0.22707
601660.69	4131848.47	0.21476	601670.69	4131848.47	0.20338
601170.69	4131858.47	4.73581	601180.69	4131858.47	4.99379
601190.69	4131858.47	5.23764	601200.69	4131858.47	5.46078
601210.69	4131858.47	5.65689	601220.69	4131858.47	5.81401
601230.69	4131858.47	5.91466	601240.69	4131858.47	5.93989
601250.69	4131858.47	5.87147	601260.69	4131858.47	5.70313
601270.69	4131858.47	5.43382	601280.69	4131858.47	5.08154
601290.69	4131858.47	4.66782	601300.69	4131858.47	4.20628
601310.69	4131858.47	3.69838	601320.69	4131858.47	3.17898
601330.69	4131858.47	2.70422	601340.69	4131858.47	2.30596
601350.69	4131858.47	1.98179	601360.69	4131858.47	1.71989
601370.69	4131858.47	1.51045	601380.69	4131858.47	1.34484
601390.69	4131858.47	1.21467	601400.69	4131858.47	1.11031
601440.69	4131858.47	0.81022	601450.69	4131858.47	0.75206
601460.69	4131858.47	0.69990	601470.69	4131858.47	0.65376
601480.69	4131858.47	0.61239	601490.69	4131858.47	0.57490
601500.69	4131858.47	0.54002	601510.69	4131858.47	0.50769
601520.69	4131858.47	0.47764	601530.69	4131858.47	0.44954
601540.69	4131858.47	0.42320	601550.69	4131858.47	0.39845
601580.69	4131858.47	0.33275	601590.69	4131858.47	0.31346
601600.69	4131858.47	0.29540	601610.69	4131858.47	0.27851
601620.69	4131858.47	0.26273	601630.69	4131858.47	0.24803
601640.69	4131858.47	0.23433	601650.69	4131858.47	0.22160
601660.69	4131858.47	0.20975	601140.69	4131868.47	3.70661
601150.69	4131868.47	3.92309	601160.69	4131868.47	4.12862
601190.69	4131868.47	4.65975	601200.69	4131868.47	4.79433
601210.69	4131868.47	4.89780	601220.69	4131868.47	4.96051
601230.69	4131868.47	4.97184	601240.69	4131868.47	4.91983
601250.69	4131868.47	4.79805	601260.69	4131868.47	4.60841
601290.69	4131868.47	3.75609	601300.69	4131868.47	3.40400
601310.69	4131868.47	3.01959	601320.69	4131868.47	2.62809
601330.69	4131868.47	2.26578	601340.69	4131868.47	1.95507

601350.69	4131868.47	1.69754	601360.69	4131868.47	1.48657
601370.69	4131868.47	1.31449	601380.69	4131868.47	1.17602
601390.69	4131868.47	1.06617	601430.69	4131868.47	0.78671

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601440.69	4131868.47	0.73392	601450.69	4131868.47	0.68534
601460.69	4131868.47	0.64108	601470.69	4131868.47	0.60130
601480.69	4131868.47	0.56544	601490.69	4131868.47	0.53274
601500.69	4131868.47	0.50242	601510.69	4131868.47	0.47432
601520.69	4131868.47	0.44812	601530.69	4131868.47	0.42357
601540.69	4131868.47	0.40045	601580.69	4131868.47	0.31990
601590.69	4131868.47	0.30240	601600.69	4131868.47	0.28588
601610.69	4131868.47	0.27030	601620.69	4131868.47	0.25562
601630.69	4131868.47	0.24184	601640.69	4131868.47	0.22890
601650.69	4131868.47	0.21684	601660.69	4131868.47	0.20557
601150.69	4131878.47	3.63013	601160.69	4131878.47	3.77993
601200.69	4131878.47	4.18925	601210.69	4131878.47	4.22790
601220.69	4131878.47	4.22958	601230.69	4131878.47	4.18988
601240.69	4131878.47	4.10374	601250.69	4131878.47	3.96978
601300.69	4131878.47	2.82733	601310.69	4131878.47	2.52577
601320.69	4131878.47	2.21907	601330.69	4131878.47	1.93267
601340.69	4131878.47	1.68359	601350.69	4131878.47	1.47483
601360.69	4131878.47	1.30195	601370.69	4131878.47	1.15899
601380.69	4131878.47	1.04151	601430.69	4131878.47	0.70910
601440.69	4131878.47	0.66522	601450.69	4131878.47	0.62445
601460.69	4131878.47	0.58689	601470.69	4131878.47	0.55271
601480.69	4131878.47	0.52161	601490.69	4131878.47	0.49314
601500.69	4131878.47	0.46694	601510.69	4131878.47	0.44260
601520.69	4131878.47	0.41989	601530.69	4131878.47	0.39853
601570.69	4131878.47	0.32362	601580.69	4131878.47	0.30710
601590.69	4131878.47	0.29136	601600.69	4131878.47	0.27639
601610.69	4131878.47	0.26215	601620.69	4131878.47	0.24865
601630.69	4131878.47	0.23585	601640.69	4131878.47	0.22375
601650.69	4131878.47	0.21244	601660.69	4131878.47	0.20179
601160.69	4131888.47	3.43559	601170.69	4131888.47	3.51993
601180.69	4131888.47	3.58510	601210.69	4131888.47	3.64944
601220.69	4131888.47	3.61596	601230.69	4131888.47	3.55218
601240.69	4131888.47	3.45613	601300.69	4131888.47	2.39529
601310.69	4131888.47	2.15116	601320.69	4131888.47	1.90408
601330.69	4131888.47	1.67214	601340.69	4131888.47	1.46799
601350.69	4131888.47	1.29556	601360.69	4131888.47	1.15214
601370.69	4131888.47	1.03224	601380.69	4131888.47	0.93198

601420.69	4131888.47	0.68186
601440.69	4131888.47	0.60418
601460.69	4131888.47	0.53727

601430.69	4131888.47	0.64159
601450.69	4131888.47	0.56941
601470.69	4131888.47	0.50772

*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601480.69	4131888.47	0.48071	601490.69	4131888.47	0.45601
601500.69	4131888.47	0.43332	601510.69	4131888.47	0.41230
601520.69	4131888.47	0.39267	601560.69	4131888.47	0.32405
601570.69	4131888.47	0.30878	601580.69	4131888.47	0.29415
601590.69	4131888.47	0.28013	601600.69	4131888.47	0.26669
601610.69	4131888.47	0.25382	601620.69	4131888.47	0.24154
601630.69	4131888.47	0.22979	601170.69	4131898.47	3.15133
601180.69	4131898.47	3.18173	601190.69	4131898.47	3.19461
601220.69	4131898.47	3.10876	601230.69	4131898.47	3.03611
601310.69	4131898.47	1.85786	601320.69	4131898.47	1.65416
601330.69	4131898.47	1.46275	601340.69	4131898.47	1.29295
601350.69	4131898.47	1.14890	601360.69	4131898.47	1.02848
601370.69	4131898.47	0.92725	601410.69	4131898.47	0.65998
601420.69	4131898.47	0.61890	601430.69	4131898.47	0.58304
601440.69	4131898.47	0.55029	601450.69	4131898.47	0.52008
601460.69	4131898.47	0.49213	601470.69	4131898.47	0.46641
601480.69	4131898.47	0.44286	601490.69	4131898.47	0.42134
601500.69	4131898.47	0.40162	601510.69	4131898.47	0.38342
601560.69	4131898.47	0.30713	601570.69	4131898.47	0.29381
601580.69	4131898.47	0.28096	601590.69	4131898.47	0.26858
601600.69	4131898.47	0.25665	601610.69	4131898.47	0.24513
601620.69	4131898.47	0.23410	601630.69	4131898.47	0.22350
601180.69	4131908.47	2.81950	601190.69	4131908.47	2.81123
601200.69	4131908.47	2.78681	601220.69	4131908.47	2.68976
601230.69	4131908.47	2.61863	601320.69	4131908.47	1.45265
601330.69	4131908.47	1.29202	601340.69	4131908.47	1.14864
601350.69	4131908.47	1.02647	601360.69	4131908.47	0.92417
601400.69	4131908.47	0.64744	601410.69	4131908.47	0.60296
601420.69	4131908.47	0.56547	601430.69	4131908.47	0.53288
601440.69	4131908.47	0.50368	601450.69	4131908.47	0.47688
601460.69	4131908.47	0.45213	601470.69	4131908.47	0.42934
601480.69	4131908.47	0.40848	601490.69	4131908.47	0.38945
601500.69	4131908.47	0.37209	601510.69	4131908.47	0.35618
601560.69	4131908.47	0.29024	601570.69	4131908.47	0.27871
601580.69	4131908.47	0.26754	601590.69	4131908.47	0.25671
601600.69	4131908.47	0.24621	601610.69	4131908.47	0.23601
601620.69	4131908.47	0.22623	601630.69	4131908.47	0.21677

601190.69	4131918.47	2.47767
601330.69	4131918.47	1.15067
601350.69	4131918.47	0.92330

601200.69	4131918.47	2.44417
601340.69	4131918.47	1.02820
601390.69	4131918.47	0.64144

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*** MODELOPTs:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*
  
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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: ONSITEPM ***
    INCLUDING SOURCE(S):   ONSITEPM2.5 ,
  
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***
  
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** CONC OF OTHER   IN MICROGRAMS/M**3   **
  
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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601400.69	4131918.47	0.59414	601410.69	4131918.47	0.55395
601420.69	4131918.47	0.51969	601430.69	4131918.47	0.48995
601440.69	4131918.47	0.46344	601450.69	4131918.47	0.43929
601460.69	4131918.47	0.41703	601470.69	4131918.47	0.39655
601480.69	4131918.47	0.37774	601490.69	4131918.47	0.36064
601500.69	4131918.47	0.34509	601510.69	4131918.47	0.33093
601520.69	4131918.47	0.31794	601570.69	4131918.47	0.26365
601580.69	4131918.47	0.25400	601590.69	4131918.47	0.24461
601600.69	4131918.47	0.23545	601610.69	4131918.47	0.22651
601620.69	4131918.47	0.21790	601630.69	4131918.47	0.20955
601340.69	4131928.47	0.92701	601390.69	4131928.47	0.58877
601400.69	4131928.47	0.54695	601410.69	4131928.47	0.51092
601420.69	4131928.47	0.47987	601430.69	4131928.47	0.45277
601440.69	4131928.47	0.42861	601450.69	4131928.47	0.40663
601460.69	4131928.47	0.38636	601470.69	4131928.47	0.36776
601480.69	4131928.47	0.35069	601490.69	4131928.47	0.33514
601500.69	4131928.47	0.32094	601510.69	4131928.47	0.30807
601520.69	4131928.47	0.29639	601530.69	4131928.47	0.28568
601580.69	4131928.47	0.24058	601590.69	4131928.47	0.23248
601600.69	4131928.47	0.22455	601610.69	4131928.47	0.21677
601620.69	4131928.47	0.20922	601380.69	4131938.47	0.58465
601390.69	4131938.47	0.54212	601400.69	4131938.47	0.50514
601410.69	4131938.47	0.47297	601420.69	4131938.47	0.44494
601430.69	4131938.47	0.42028	601440.69	4131938.47	0.39822
601450.69	4131938.47	0.37812	601460.69	4131938.47	0.35955
601470.69	4131938.47	0.34254	601480.69	4131938.47	0.32687
601490.69	4131938.47	0.31256	601500.69	4131938.47	0.29940
601510.69	4131938.47	0.28747	601520.69	4131938.47	0.27671
601530.69	4131938.47	0.26698	601540.69	4131938.47	0.25807
601550.69	4131938.47	0.24977	601590.69	4131938.47	0.22036
601600.69	4131938.47	0.21353	601610.69	4131938.47	0.20680
601620.69	4131938.47	0.20021	601370.69	4131948.47	0.58184
601380.69	4131948.47	0.53811	601390.69	4131948.47	0.50050
601400.69	4131948.47	0.46776	601410.69	4131948.47	0.43909
601420.69	4131948.47	0.41390	601430.69	4131948.47	0.39155
601440.69	4131948.47	0.37149	601450.69	4131948.47	0.35308
601460.69	4131948.47	0.33606	601470.69	4131948.47	0.32039

601480.69	4131948.47	0.30591
601500.69	4131948.47	0.28021
601520.69	4131948.47	0.25891

601490.69	4131948.47	0.29255
601510.69	4131948.47	0.26899
601530.69	4131948.47	0.24986

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*** AERMOD - VERSION 23132 ***      *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc      ***      11/17/24
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*** MODELPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*                                     ***      PAGE 112

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601540.69	4131948.47	0.24168	601550.69	4131948.47	0.23418
601560.69	4131948.47	0.22722	601600.69	4131948.47	0.20247
601610.69	4131948.47	0.19668	601360.69	4131958.47	0.58198
601370.69	4131958.47	0.53580	601380.69	4131958.47	0.49669
601390.69	4131958.47	0.46320	601400.69	4131958.47	0.43411
601410.69	4131958.47	0.40860	601420.69	4131958.47	0.38602
601430.69	4131958.47	0.36585	601440.69	4131958.47	0.34770
601450.69	4131958.47	0.33103	601460.69	4131958.47	0.31547
601470.69	4131958.47	0.30096	601480.69	4131958.47	0.28737
601490.69	4131958.47	0.27473	601500.69	4131958.47	0.26304
601510.69	4131958.47	0.25239	601520.69	4131958.47	0.24282
601530.69	4131958.47	0.23426	601540.69	4131958.47	0.22659
601550.69	4131958.47	0.21966	601560.69	4131958.47	0.21333
601570.69	4131958.47	0.20746	601360.69	4131968.47	0.53668
601370.69	4131968.47	0.49500	601380.69	4131968.47	0.45973
601390.69	4131968.47	0.42968	601400.69	4131968.47	0.40370
601410.69	4131968.47	0.38094	601420.69	4131968.47	0.36077
601430.69	4131968.47	0.34264	601440.69	4131968.47	0.32631
601450.69	4131968.47	0.31122	601460.69	4131968.47	0.29710
601470.69	4131968.47	0.28365	601480.69	4131968.47	0.27089
601490.69	4131968.47	0.25897	601500.69	4131968.47	0.24788
601510.69	4131968.47	0.23771	601520.69	4131968.47	0.22854
601530.69	4131968.47	0.22034	601540.69	4131968.47	0.21302
601550.69	4131968.47	0.20646	601560.69	4131968.47	0.20055
601570.69	4131968.47	0.19517	601580.69	4131968.47	0.19016
601590.69	4131968.47	0.18544	601390.69	4131978.47	0.39952
601400.69	4131978.47	0.37622	601410.69	4131978.47	0.35584
601420.69	4131978.47	0.33780	601430.69	4131978.47	0.32155
601440.69	4131978.47	0.30687	601450.69	4131978.47	0.29328
601460.69	4131978.47	0.28042	601470.69	4131978.47	0.26803
601480.69	4131978.47	0.25616	601490.69	4131978.47	0.24493
601500.69	4131978.47	0.23443	601510.69	4131978.47	0.22474
601520.69	4131978.47	0.21590	601530.69	4131978.47	0.20796
601540.69	4131978.47	0.20089	601550.69	4131978.47	0.19457
601560.69	4131978.47	0.18894	601570.69	4131978.47	0.18387
601580.69	4131978.47	0.17924	601390.69	4131988.47	0.37253
601400.69	4131988.47	0.35150	601410.69	4131988.47	0.33319

601420.69	4131988.47	0.31701
601440.69	4131988.47	0.28920
601460.69	4131988.47	0.26508

601430.69	4131988.47	0.30244
601450.69	4131988.47	0.27684
601470.69	4131988.47	0.25373

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601480.69	4131988.47	0.24277	601490.69	4131988.47	0.23231
601500.69	4131988.47	0.22242	601510.69	4131988.47	0.21319
601520.69	4131988.47	0.20470	601530.69	4131988.47	0.19700
601540.69	4131988.47	0.19010	601550.69	4131988.47	0.18395
601560.69	4131988.47	0.17848	601570.69	4131988.47	0.17362
601580.69	4131988.47	0.16923	601390.69	4131998.47	0.34813
601400.69	4131998.47	0.32906	601410.69	4131998.47	0.31247
601420.69	4131998.47	0.29790	601430.69	4131998.47	0.28485
601440.69	4131998.47	0.27291	601450.69	4131998.47	0.26170
601460.69	4131998.47	0.25100	601470.69	4131998.47	0.24065
601480.69	4131998.47	0.23060	601490.69	4131998.47	0.22089
601500.69	4131998.47	0.21162	601510.69	4131998.47	0.20286
601520.69	4131998.47	0.19471	601530.69	4131998.47	0.18726
601540.69	4131998.47	0.18052	601550.69	4131998.47	0.17449
601400.69	4132008.47	0.30851	601410.69	4132008.47	0.29340
601420.69	4132008.47	0.28021	601430.69	4132008.47	0.26848
601440.69	4132008.47	0.25775	601450.69	4132008.47	0.24767
601460.69	4132008.47	0.23800	601470.69	4132008.47	0.22859
601480.69	4132008.47	0.21940	601490.69	4132008.47	0.21046
601500.69	4132008.47	0.20180	601510.69	4132008.47	0.19354
601520.69	4132008.47	0.18576	601530.69	4132008.47	0.17857
601540.69	4132008.47	0.17201	601550.69	4132008.47	0.16609
601410.69	4132018.47	0.27569	601420.69	4132018.47	0.26369
601430.69	4132018.47	0.25312	601440.69	4132018.47	0.24353
601450.69	4132018.47	0.23453	601460.69	4132018.47	0.22587
601470.69	4132018.47	0.21741	601480.69	4132018.47	0.20906
601490.69	4132018.47	0.20085	601500.69	4132018.47	0.19283
601510.69	4132018.47	0.18507	601520.69	4132018.47	0.17768
601530.69	4132018.47	0.17080	601540.69	4132018.47	0.16447
601300.69	4132028.47	0.56201	601310.69	4132028.47	0.52210
601420.69	4132028.47	0.24846	601430.69	4132028.47	0.23889
601440.69	4132028.47	0.23028	601450.69	4132028.47	0.22226
601460.69	4132028.47	0.21455	601470.69	4132028.47	0.20696
601480.69	4132028.47	0.19943	601490.69	4132028.47	0.19193
601500.69	4132028.47	0.18453	601510.69	4132028.47	0.17729
601520.69	4132028.47	0.17032	601530.69	4132028.47	0.16376
601300.69	4132038.47	0.52277	601310.69	4132038.47	0.48653

601320.69	4132038.47	0.45139
601340.69	4132038.47	0.38650
601430.69	4132038.47	0.22569

601330.69	4132038.47	0.41791
601420.69	4132038.47	0.23442
601440.69	4132038.47	0.21794

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** 19:36:26
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
INCLUDING SOURCE(S): 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
601470.69	4131438.47	0.72485	601480.69	4131438.47	0.76759
601490.69	4131438.47	0.81002	601470.69	4131448.47	0.81659
601480.69	4131448.47	0.86459	601490.69	4131448.47	0.91156
601460.69	4131458.47	0.86835	601470.69	4131458.47	0.92301
601480.69	4131458.47	0.97663	601490.69	4131458.47	1.02825
601500.69	4131458.47	1.07682	601510.69	4131458.47	1.12189
601450.69	4131468.47	0.92397	601460.69	4131468.47	0.98573
601470.69	4131468.47	1.04667	601480.69	4131468.47	1.10567
601490.69	4131468.47	1.16188	601500.69	4131468.47	1.21299
601510.69	4131468.47	1.25946	601520.69	4131468.47	1.30097
601530.69	4131468.47	1.33887	601450.69	4131478.47	1.05517
601460.69	4131478.47	1.12327	601470.69	4131478.47	1.18998
601480.69	4131478.47	1.25379	601490.69	4131478.47	1.31351
601500.69	4131478.47	1.36709	601510.69	4131478.47	1.41486
601520.69	4131478.47	1.45650	601530.69	4131478.47	1.49270
601540.69	4131478.47	1.52229	601470.69	4131488.47	1.35660
601480.69	4131488.47	1.42471	601490.69	4131488.47	1.48705
601500.69	4131488.47	1.54227	601510.69	4131488.47	1.58997
601520.69	4131488.47	1.62998	601530.69	4131488.47	1.66271
601540.69	4131488.47	1.68732	601550.69	4131488.47	1.70387
601560.69	4131488.47	1.71261	601480.69	4131498.47	1.62151
601490.69	4131498.47	1.68508	601500.69	4131498.47	1.74004
601510.69	4131498.47	1.78582	601520.69	4131498.47	1.82213
601530.69	4131498.47	1.84886	601540.69	4131498.47	1.86614
601550.69	4131498.47	1.87429	601560.69	4131498.47	1.87375
601570.69	4131498.47	1.86512	601430.69	4131508.47	1.41088
601440.69	4131508.47	1.51019	601450.69	4131508.47	1.60463
601490.69	4131508.47	1.90980	601500.69	4131508.47	1.96156
601510.69	4131508.47	2.00204	601520.69	4131508.47	2.03119
601530.69	4131508.47	2.04918	601540.69	4131508.47	2.05645
601550.69	4131508.47	2.05358	601560.69	4131508.47	2.04132
601570.69	4131508.47	2.02050	601580.69	4131508.47	1.99201
601590.69	4131508.47	1.95680	601420.69	4131518.47	1.52345
601430.69	4131518.47	1.64053	601440.69	4131518.47	1.75180
601450.69	4131518.47	1.85564	601460.69	4131518.47	1.94970
601470.69	4131518.47	2.03345	601500.69	4131518.47	2.20928
601510.69	4131518.47	2.24102	601520.69	4131518.47	2.25950

601530.69	4131518.47	2.26532
601550.69	4131518.47	2.24226
601570.69	4131518.47	2.17980

601540.69	4131518.47	2.25926
601560.69	4131518.47	2.21540
601580.69	4131518.47	2.13663

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
INCLUDING SOURCE(S): 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
601590.69	4131518.47	2.08701	601600.69	4131518.47	2.03207
601420.69	4131528.47	1.78722	601430.69	4131528.47	1.91864
601440.69	4131528.47	2.04093	601450.69	4131528.47	2.15192
601460.69	4131528.47	2.24955	601470.69	4131528.47	2.33232
601480.69	4131528.47	2.39925	601520.69	4131528.47	2.50648
601530.69	4131528.47	2.49604	601540.69	4131528.47	2.47284
601550.69	4131528.47	2.43824	601560.69	4131528.47	2.39368
601570.69	4131528.47	2.34057	601580.69	4131528.47	2.28034
601590.69	4131528.47	2.21435	601600.69	4131528.47	2.14386
601610.69	4131528.47	2.07003	601410.69	4131538.47	1.95763
601420.69	4131538.47	2.11400	601430.69	4131538.47	2.26004
601440.69	4131538.47	2.39091	601450.69	4131538.47	2.50493
601460.69	4131538.47	2.60071	601470.69	4131538.47	2.67714
601480.69	4131538.47	2.73376	601500.69	4131538.47	2.78865
601540.69	4131538.47	2.69593	601550.69	4131538.47	2.63988
601560.69	4131538.47	2.57424	601570.69	4131538.47	2.50078
601580.69	4131538.47	2.42115	601590.69	4131538.47	2.33688
601600.69	4131538.47	2.24933	601610.69	4131538.47	2.15976
601620.69	4131538.47	2.06923	601630.69	4131538.47	1.97868
601400.69	4131548.47	2.14806	601410.69	4131548.47	2.33609
601420.69	4131548.47	2.51183	601430.69	4131548.47	2.67014
601440.69	4131548.47	2.80537	601450.69	4131548.47	2.91686
601460.69	4131548.47	3.00446	601470.69	4131548.47	3.06771
601480.69	4131548.47	3.10699	601490.69	4131548.47	3.12327
601500.69	4131548.47	3.11804	601510.69	4131548.47	3.09317
601550.69	4131548.47	2.84109	601560.69	4131548.47	2.75120
601570.69	4131548.47	2.65480	601580.69	4131548.47	2.55373
601590.69	4131548.47	2.44963	601600.69	4131548.47	2.34397
601610.69	4131548.47	2.23796	601620.69	4131548.47	2.13265
601630.69	4131548.47	2.02892	601380.69	4131558.47	2.13092
601390.69	4131558.47	2.36509	601400.69	4131558.47	2.59191
601410.69	4131558.47	2.80395	601420.69	4131558.47	2.99437
601430.69	4131558.47	3.15980	601440.69	4131558.47	3.29228
601450.69	4131558.47	3.39298	601460.69	4131558.47	3.46407
601470.69	4131558.47	3.50510	601480.69	4131558.47	3.51816
601490.69	4131558.47	3.50531	601500.69	4131558.47	3.46906
601510.69	4131558.47	3.41220	601520.69	4131558.47	3.33766

601570.69	4131558.47	2.79806
601590.69	4131558.47	2.54890
601610.69	4131558.47	2.30175

601580.69	4131558.47	2.67391
601600.69	4131558.47	2.42445
601620.69	4131558.47	2.18171

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
INCLUDING SOURCE(S): 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
601380.69	4131568.47	2.62042	601390.69	4131568.47	2.89594
601400.69	4131568.47	3.15324	601410.69	4131568.47	3.38165
601420.69	4131568.47	3.57659	601430.69	4131568.47	3.73511
601440.69	4131568.47	3.85485	601450.69	4131568.47	3.93584
601460.69	4131568.47	3.98007	601470.69	4131568.47	3.98804
601480.69	4131568.47	3.96409	601490.69	4131568.47	3.91222
601500.69	4131568.47	3.83611	601510.69	4131568.47	3.73953
601520.69	4131568.47	3.62628	601530.69	4131568.47	3.49993
601570.69	4131568.47	2.92560	601580.69	4131568.47	2.77729
601590.69	4131568.47	2.63084	601600.69	4131568.47	2.48753
601610.69	4131568.47	2.34839	601620.69	4131568.47	2.21416
601370.69	4131578.47	2.91700	601380.69	4131578.47	3.25640
601390.69	4131578.47	3.57289	601400.69	4131578.47	3.85463
601410.69	4131578.47	4.08914	601420.69	4131578.47	4.27383
601430.69	4131578.47	4.41066	601440.69	4131578.47	4.50174
601450.69	4131578.47	4.54816	601460.69	4131578.47	4.55103
601470.69	4131578.47	4.51218	601480.69	4131578.47	4.43869
601490.69	4131578.47	4.33672	601500.69	4131578.47	4.21120
601510.69	4131578.47	4.06694	601520.69	4131578.47	3.90845
601530.69	4131578.47	3.73992	601540.69	4131578.47	3.56504
601550.69	4131578.47	3.38706	601590.69	4131578.47	2.69172
601600.69	4131578.47	2.53015	601610.69	4131578.47	2.37544
601360.69	4131588.47	3.26368	601370.69	4131588.47	3.68869
601380.69	4131588.47	4.08438	601390.69	4131588.47	4.43343
601400.69	4131588.47	4.72476	601410.69	4131588.47	4.94580
601420.69	4131588.47	5.10122	601430.69	4131588.47	5.19526
601440.69	4131588.47	5.23705	601450.69	4131588.47	5.22755
601460.69	4131588.47	5.17156	601470.69	4131588.47	5.06932
601480.69	4131588.47	4.93237	601490.69	4131588.47	4.76850
601500.69	4131588.47	4.58383	601510.69	4131588.47	4.38407
601520.69	4131588.47	4.17439	601530.69	4131588.47	3.95932
601540.69	4131588.47	3.74274	601550.69	4131588.47	3.52784
601560.69	4131588.47	3.31719	601350.69	4131598.47	3.66971
601360.69	4131598.47	4.21395	601370.69	4131598.47	4.71864
601380.69	4131598.47	5.15841	601390.69	4131598.47	5.51781
601400.69	4131598.47	5.79083	601410.69	4131598.47	5.97343
601420.69	4131598.47	6.07341	601430.69	4131598.47	6.10040

601440.69	4131598.47	6.06342
601460.69	4131598.47	5.83073
601480.69	4131598.47	5.43174

601450.69	4131598.47	5.97160
601470.69	4131598.47	5.64681
601490.69	4131598.47	5.19404

*** AERMOD - VERSION 23132 ***
 *** AERMET - VERSION 18081 ***

*** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc

*** 11/17/24
 *** 19:36:26
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
 INCLUDING SOURCE(S): 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
601500.69	4131598.47	4.94089	601510.69	4131598.47	4.67868
601520.69	4131598.47	4.41293	601530.69	4131598.47	4.14825
601540.69	4131598.47	3.88835	601550.69	4131598.47	3.63610
601560.69	4131598.47	3.39367	601570.69	4131598.47	3.16249
601580.69	4131598.47	2.94355	601340.69	4131608.47	4.14784
601350.69	4131608.47	4.85928	601360.69	4131608.47	5.52110
601370.69	4131608.47	6.08684	601380.69	4131608.47	6.53586
601390.69	4131608.47	6.86284	601400.69	4131608.47	7.07306
601410.69	4131608.47	7.17417	601420.69	4131608.47	7.18177
601430.69	4131608.47	7.10739	601440.69	4131608.47	6.96154
601450.69	4131608.47	6.75871	601460.69	4131608.47	6.51114
601470.69	4131608.47	6.22716	601480.69	4131608.47	5.91937
601490.69	4131608.47	5.59668	601500.69	4131608.47	5.26698
601510.69	4131608.47	4.93694	601520.69	4131608.47	4.61199
601530.69	4131608.47	4.29642	601540.69	4131608.47	3.99337
601550.69	4131608.47	3.70503	601560.69	4131608.47	3.43279
601570.69	4131608.47	3.17736	601580.69	4131608.47	2.93893
601330.69	4131618.47	4.70712	601340.69	4131618.47	5.66912
601350.69	4131618.47	6.56222	601360.69	4131618.47	7.31188
601370.69	4131618.47	7.88068	601380.69	4131618.47	8.26806
601390.69	4131618.47	8.49438	601400.69	4131618.47	8.57777
601410.69	4131618.47	8.54398	601420.69	4131618.47	8.41106
601430.69	4131618.47	8.19785	601440.69	4131618.47	7.90798
601450.69	4131618.47	7.56652	601460.69	4131618.47	7.18916
601470.69	4131618.47	6.78801	601480.69	4131618.47	6.37408
601490.69	4131618.47	5.95703	601500.69	4131618.47	5.54487
601510.69	4131618.47	5.14401	601520.69	4131618.47	4.75923
601530.69	4131618.47	4.39386	601540.69	4131618.47	4.05002
601550.69	4131618.47	3.72875	601560.69	4131618.47	3.43037
601570.69	4131618.47	3.15453	601580.69	4131618.47	2.90051
601330.69	4131628.47	6.70747	601340.69	4131628.47	7.97217
601350.69	4131628.47	8.99824	601360.69	4131628.47	9.72876
601370.69	4131628.47	10.18294	601380.69	4131628.47	10.39552
601390.69	4131628.47	10.41849	601400.69	4131628.47	10.29383
601440.69	4131628.47	8.86808	601450.69	4131628.47	8.36321
601460.69	4131628.47	7.83681	601470.69	4131628.47	7.30226
601480.69	4131628.47	6.77129	601490.69	4131628.47	6.25351

601500.69	4131628.47	5.75636
601520.69	4131628.47	4.84295
601540.69	4131628.47	4.05192

601510.69	4131628.47	5.28505
601530.69	4131628.47	4.43176
601550.69	4131628.47	3.70298

*** AERMOD - VERSION 23132 *** *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc *** 11/17/24
*** AERMET - VERSION 18081 *** *** *** *** 19:36:26
*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U* *** PAGE 119

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
INCLUDING SOURCE(S): 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
601560.69	4131628.47	3.38376	601570.69	4131628.47	3.09271
601350.69	4131638.47	12.32672	601360.69	4131638.47	12.83185
601370.69	4131638.47	12.99521	601380.69	4131638.47	12.89214
601390.69	4131638.47	12.60198	601410.69	4131638.47	11.68482
601420.69	4131638.47	11.11312	601450.69	4131638.47	9.11487
601460.69	4131638.47	8.41949	601470.69	4131638.47	7.73866
601480.69	4131638.47	7.08383	601490.69	4131638.47	6.46360
601500.69	4131638.47	5.88347	601510.69	4131638.47	5.34641
601520.69	4131638.47	4.85329	601530.69	4131638.47	4.40341
601540.69	4131638.47	3.99501	601550.69	4131638.47	3.62564
601560.69	4131638.47	3.29246	601620.69	4131638.47	1.89083
601630.69	4131638.47	1.73249	601640.69	4131638.47	1.58994
601310.69	4131648.47	9.53236	601320.69	4131648.47	12.61373
601350.69	4131648.47	16.57054	601360.69	4131648.47	16.57294
601370.69	4131648.47	16.25179	601380.69	4131648.47	15.69271
601400.69	4131648.47	14.21067	601410.69	4131648.47	13.38128
601420.69	4131648.47	12.51009	601430.69	4131648.47	11.61127
601470.69	4131648.47	8.06364	601480.69	4131648.47	7.28446
601490.69	4131648.47	6.56700	601500.69	4131648.47	5.91164
601510.69	4131648.47	5.31843	601520.69	4131648.47	4.78461
601530.69	4131648.47	4.30634	601540.69	4131648.47	3.87912
601550.69	4131648.47	3.49825	601560.69	4131648.47	3.15909
601620.69	4131648.47	1.77512	601630.69	4131648.47	1.62310
601640.69	4131648.47	1.48691	601650.69	4131648.47	1.36488
601660.69	4131648.47	1.25505	601300.69	4131658.47	11.03382
601310.69	4131658.47	16.63205	601320.69	4131658.47	19.93832
601330.69	4131658.47	21.43595	601370.69	4131658.47	19.80011
601390.69	4131658.47	17.53880	601400.69	4131658.47	16.33239
601410.69	4131658.47	15.10638	601420.69	4131658.47	13.87583
601430.69	4131658.47	12.65003	601440.69	4131658.47	11.44632
601450.69	4131658.47	10.29795	601480.69	4131658.47	7.35017
601490.69	4131658.47	6.54949	601500.69	4131658.47	5.83378
601510.69	4131658.47	5.19891	601520.69	4131658.47	4.63838
601530.69	4131658.47	4.14450	601540.69	4131658.47	3.70978
601550.69	4131658.47	3.32724	601600.69	4131658.47	1.99372
601610.69	4131658.47	1.81125	601620.69	4131658.47	1.64987
601630.69	4131658.47	1.50640	601640.69	4131658.47	1.37841

601650.69	4131658.47	1.26452
601670.69	4131658.47	1.07113
601320.69	4131668.47	28.93478

601660.69	4131658.47	1.16263
601310.69	4131668.47	27.97459
601330.69	4131668.47	28.82957

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc   ***   11/17/24
*** AERMET - VERSION 18081 ***   ***   ***   ***   19:36:26
***   ***   ***   ***   ***   ***   19:36:26
***   ***   ***   ***   ***   ***   PAGE 120

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*** MODELOPTs:   NonDEFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601340.69	4131668.47	27.98686	601350.69	4131668.47	26.70337
601390.69	4131668.47	20.17695	601400.69	4131668.47	18.48361
601410.69	4131668.47	16.79149	601420.69	4131668.47	15.12911
601430.69	4131668.47	13.52760	601440.69	4131668.47	12.01227
601450.69	4131668.47	10.61677	601460.69	4131668.47	9.35557
601500.69	4131668.47	5.64092	601510.69	4131668.47	4.98439
601520.69	4131668.47	4.41468	601530.69	4131668.47	3.92020
601540.69	4131668.47	3.49057	601590.69	4131668.47	2.03575
601600.69	4131668.47	1.84121	601610.69	4131668.47	1.66941
601620.69	4131668.47	1.51887	601630.69	4131668.47	1.38576
601640.69	4131668.47	1.26740	601650.69	4131668.47	1.16290
601660.69	4131668.47	1.06961	601670.69	4131668.47	0.98612
601680.69	4131668.47	0.91026	601700.69	4131668.47	0.77985
601320.69	4131678.47	37.95226	601330.69	4131678.47	36.14965
601340.69	4131678.47	34.20586	601350.69	4131678.47	32.05267
601390.69	4131678.47	22.85961	601400.69	4131678.47	20.59775
601410.69	4131678.47	18.34020	601420.69	4131678.47	16.16831
601430.69	4131678.47	14.14138	601440.69	4131678.47	12.30314
601450.69	4131678.47	10.67062	601460.69	4131678.47	9.24899
601470.69	4131678.47	8.03070	601480.69	4131678.47	6.98962
601510.69	4131678.47	4.68034	601520.69	4131678.47	4.12090
601530.69	4131678.47	3.64152	601540.69	4131678.47	3.22951
601580.69	4131678.47	2.06815	601590.69	4131678.47	1.86313
601600.69	4131678.47	1.68275	601610.69	4131678.47	1.52455
601620.69	4131678.47	1.38647	601630.69	4131678.47	1.26494
601640.69	4131678.47	1.15708	601650.69	4131678.47	1.06227
601660.69	4131678.47	0.97804	601670.69	4131678.47	0.90245
601680.69	4131678.47	0.83374	601690.69	4131678.47	0.77155
601700.69	4131678.47	0.71546	601330.69	4131688.47	43.40200
601340.69	4131688.47	40.37549	601350.69	4131688.47	37.49259
601360.69	4131688.47	34.55227	601370.69	4131688.47	31.56989
601390.69	4131688.47	25.52855	601400.69	4131688.47	22.52727
601410.69	4131688.47	19.58378	601420.69	4131688.47	16.83064
601430.69	4131688.47	14.36147	601440.69	4131688.47	12.22458
601450.69	4131688.47	10.40959	601460.69	4131688.47	8.88542
601470.69	4131688.47	7.61533	601480.69	4131688.47	6.55595
601490.69	4131688.47	5.67109	601530.69	4131688.47	3.31977

601580.69	4131688.47	1.87196
601600.69	4131688.47	1.52421
601620.69	4131688.47	1.25758

601590.69	4131688.47	1.68650
601610.69	4131688.47	1.38192
601630.69	4131688.47	1.14812

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*** AERMOD - VERSION 23132 ***      *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc ***      11/17/24
*** AERMET - VERSION 18081 ***      ***                               ***                               ***      19:36:26
                                                                                                     ***                               ***      PAGE 121

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*** MODELOPTs:   NonDEFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601640.69	4131688.47	1.05109	601650.69	4131688.47	0.96559
601660.69	4131688.47	0.88943	601670.69	4131688.47	0.82123
601680.69	4131688.47	0.75949	601690.69	4131688.47	0.70369
601700.69	4131688.47	0.65336	601710.69	4131688.47	0.60784
601270.69	4131698.47	25.52407	601340.69	4131698.47	46.51042
601350.69	4131698.47	42.80464	601360.69	4131698.47	39.31573
601370.69	4131698.47	35.74275	601380.69	4131698.47	31.94258
601400.69	4131698.47	24.06800	601410.69	4131698.47	20.27917
601420.69	4131698.47	16.90087	601430.69	4131698.47	14.03874
601440.69	4131698.47	11.69877	601450.69	4131698.47	9.79850
601460.69	4131698.47	8.26064	601470.69	4131698.47	7.00690
601480.69	4131698.47	5.98236	601490.69	4131698.47	5.14282
601500.69	4131698.47	4.44764	601560.69	4131698.47	2.08331
601570.69	4131698.47	1.86579	601580.69	4131698.47	1.67755
601590.69	4131698.47	1.51331	601600.69	4131698.47	1.36969
601610.69	4131698.47	1.24384	601620.69	4131698.47	1.13373
601630.69	4131698.47	1.03646	601640.69	4131698.47	0.95022
601650.69	4131698.47	0.87381	601660.69	4131698.47	0.80560
601670.69	4131698.47	0.74464	601680.69	4131698.47	0.68964
601690.69	4131698.47	0.64001	601700.69	4131698.47	0.59519
601710.69	4131698.47	0.55463	601270.69	4131708.47	33.57489
601280.69	4131708.47	40.57116	601350.69	4131708.47	48.04498
601360.69	4131708.47	43.80038	601370.69	4131708.47	39.67522
601380.69	4131708.47	35.03554	601390.69	4131708.47	29.91747
601420.69	4131708.47	16.12989	601430.69	4131708.47	13.07184
601440.69	4131708.47	10.70951	601450.69	4131708.47	8.86704
601460.69	4131708.47	7.41571	601470.69	4131708.47	6.25194
601480.69	4131708.47	5.31412	601490.69	4131708.47	4.55366
601500.69	4131708.47	3.93108	601510.69	4131708.47	3.41680
601560.69	4131708.47	1.84586	601570.69	4131708.47	1.65558
601580.69	4131708.47	1.49097	601590.69	4131708.47	1.34786
601600.69	4131708.47	1.22287	601610.69	4131708.47	1.11323
601620.69	4131708.47	1.01666	601630.69	4131708.47	0.93126
601640.69	4131708.47	0.85548	601650.69	4131708.47	0.78798
601660.69	4131708.47	0.72766	601670.69	4131708.47	0.67359
601680.69	4131708.47	0.62496	601690.69	4131708.47	0.58112
601700.69	4131708.47	0.54147	601710.69	4131708.47	0.50553

601280.69	4131718.47	45.54227
601370.69	4131718.47	42.89734
601390.69	4131718.47	30.17675

601290.69	4131718.47	48.12652
601380.69	4131718.47	37.09029
601400.69	4131718.47	23.58580

*** AERMOD - VERSION 23132 *** *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc *** 11/17/24
*** AERMET - VERSION 18081 *** *** *** *** 19:36:26
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
INCLUDING SOURCE(S): 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
601430.69	4131718.47	11.52011	601440.69	4131718.47	9.35787
601450.69	4131718.47	7.71085	601460.69	4131718.47	6.43273
601470.69	4131718.47	5.41694	601480.69	4131718.47	4.60351
601490.69	4131718.47	3.94701	601500.69	4131718.47	3.41123
601550.69	4131718.47	1.81202	601560.69	4131718.47	1.62223
601570.69	4131718.47	1.45873	601580.69	4131718.47	1.31708
601590.69	4131718.47	1.19376	601600.69	4131718.47	1.08587
601610.69	4131718.47	0.99107	601620.69	4131718.47	0.90740
601630.69	4131718.47	0.83329	601640.69	4131718.47	0.76738
601650.69	4131718.47	0.70855	601660.69	4131718.47	0.65588
601670.69	4131718.47	0.60856	601680.69	4131718.47	0.56593
601690.69	4131718.47	0.52740	601700.69	4131718.47	0.49249
601710.69	4131718.47	0.46078	601290.69	4131728.47	50.16988
601300.69	4131728.47	51.10573	601380.69	4131728.47	36.30465
601390.69	4131728.47	26.92161	601400.69	4131728.47	20.19180
601410.69	4131728.47	15.46521	601440.69	4131728.47	7.85596
601450.69	4131728.47	6.48941	601460.69	4131728.47	5.42993
601470.69	4131728.47	4.58680	601480.69	4131728.47	3.91086
601490.69	4131728.47	3.36468	601500.69	4131728.47	2.91827
601540.69	4131728.47	1.76516	601550.69	4131728.47	1.57844
601560.69	4131728.47	1.41810	601570.69	4131728.47	1.27957
601580.69	4131728.47	1.15923	601590.69	4131728.47	1.05416
601600.69	4131728.47	0.96197	601610.69	4131728.47	0.88072
601620.69	4131728.47	0.80883	601630.69	4131728.47	0.74494
601640.69	4131728.47	0.68798	601650.69	4131728.47	0.63700
601660.69	4131728.47	0.59122	601670.69	4131728.47	0.54999
601680.69	4131728.47	0.51274	601690.69	4131728.47	0.47899
601700.69	4131728.47	0.44834	601710.69	4131728.47	0.42042
601300.69	4131738.47	51.76281	601310.69	4131738.47	51.96556
601380.69	4131738.47	28.41584	601390.69	4131738.47	20.98564
601400.69	4131738.47	15.89716	601410.69	4131738.47	12.31136
601420.69	4131738.47	9.73140	601450.69	4131738.47	5.34192
601460.69	4131738.47	4.49817	601470.69	4131738.47	3.82314
601480.69	4131738.47	3.27877	601490.69	4131738.47	2.83671
601540.69	4131738.47	1.52605	601550.69	4131738.47	1.37075
601560.69	4131738.47	1.23681	601570.69	4131738.47	1.12062
601580.69	4131738.47	1.01925	601590.69	4131738.47	0.93039

601600.69	4131738.47	0.85213
601620.69	4131738.47	0.72140
601640.69	4131738.47	0.61774

601610.69	4131738.47	0.78290
601630.69	4131738.47	0.66670
601650.69	4131738.47	0.57366

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
 INCLUDING SOURCE(S): 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
601660.69	4131738.47	0.53395	601670.69	4131738.47	0.49807
601680.69	4131738.47	0.46555	601690.69	4131738.47	0.43600
601700.69	4131738.47	0.40908	601710.69	4131738.47	0.38450
601240.69	4131748.47	26.18808	601310.69	4131748.47	51.80885
601320.69	4131748.47	51.27850	601330.69	4131748.47	51.05987
601400.69	4131748.47	12.26474	601410.69	4131748.47	9.63868
601420.69	4131748.47	7.71081	601430.69	4131748.47	6.27251
601470.69	4131748.47	3.16053	601480.69	4131748.47	2.73079
601490.69	4131748.47	2.37937	601530.69	4131748.47	1.46775
601540.69	4131748.47	1.31900	601550.69	4131748.47	1.19079
601560.69	4131748.47	1.07960	601570.69	4131748.47	0.98264
601580.69	4131748.47	0.89762	601590.69	4131748.47	0.82273
601600.69	4131748.47	0.75646	601610.69	4131748.47	0.69757
601620.69	4131748.47	0.64543	601630.69	4131748.47	0.59884
601640.69	4131748.47	0.55695	601650.69	4131748.47	0.51886
601660.69	4131748.47	0.48432	601670.69	4131748.47	0.45301
601680.69	4131748.47	0.42454	601690.69	4131748.47	0.39859
601700.69	4131748.47	0.37487	601710.69	4131748.47	0.35315
601220.69	4131758.47	14.48527	601230.69	4131758.47	18.62978
601240.69	4131758.47	23.40271	601250.69	4131758.47	28.69240
601320.69	4131758.47	50.23542	601330.69	4131758.47	48.41479
601340.69	4131758.47	45.89801	601400.69	4131758.47	9.45263
601410.69	4131758.47	7.51160	601420.69	4131758.47	6.07485
601430.69	4131758.47	4.99489	601440.69	4131758.47	4.17057
601480.69	4131758.47	2.27328	601530.69	4131758.47	1.26553
601540.69	4131758.47	1.14378	601550.69	4131758.47	1.03813
601560.69	4131758.47	0.94593	601570.69	4131758.47	0.86503
601580.69	4131758.47	0.79370	601590.69	4131758.47	0.73051
601600.69	4131758.47	0.67432	601610.69	4131758.47	0.62414
601620.69	4131758.47	0.57975	601630.69	4131758.47	0.54011
601640.69	4131758.47	0.50419	601650.69	4131758.47	0.47119
601660.69	4131758.47	0.44106	601670.69	4131758.47	0.41365
601680.69	4131758.47	0.38864	601690.69	4131758.47	0.36576
601220.69	4131768.47	14.06458	601230.69	4131768.47	17.22842
601240.69	4131768.47	20.81757	601250.69	4131768.47	24.76609
601260.69	4131768.47	29.19179	601340.69	4131768.47	40.38224
601390.69	4131768.47	9.16369	601400.69	4131768.47	7.22267

601410.69	4131768.47	5.81077
601430.69	4131768.47	3.96573
601450.69	4131768.47	2.86599

601420.69	4131768.47	4.76088
601440.69	4131768.47	3.35069
601460.69	4131768.47	2.47759

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
INCLUDING SOURCE(S): 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
601540.69	4131768.47	0.99812	601550.69	4131768.47	0.91077
601560.69	4131768.47	0.83401	601570.69	4131768.47	0.76638
601580.69	4131768.47	0.70637	601590.69	4131768.47	0.65278
601600.69	4131768.47	0.60485	601610.69	4131768.47	0.56184
601620.69	4131768.47	0.52383	601630.69	4131768.47	0.48964
601640.69	4131768.47	0.45870	601650.69	4131768.47	0.42988
601660.69	4131768.47	0.40347	601670.69	4131768.47	0.37935
601680.69	4131768.47	0.35727	601690.69	4131768.47	0.33702
601220.69	4131778.47	13.21039	601230.69	4131778.47	15.66765
601240.69	4131778.47	18.43652	601250.69	4131778.47	21.49455
601260.69	4131778.47	24.89162	601270.69	4131778.47	28.64147
601340.69	4131778.47	32.23893	601400.69	4131778.47	5.43748
601410.69	4131778.47	4.45733	601420.69	4131778.47	3.71865
601430.69	4131778.47	3.14945	601440.69	4131778.47	2.70120
601450.69	4131778.47	2.34178	601460.69	4131778.47	2.04893
601500.69	4131778.47	1.28883	601510.69	4131778.47	1.16377
601550.69	4131778.47	0.80572	601560.69	4131778.47	0.74176
601570.69	4131778.47	0.68501	601580.69	4131778.47	0.63431
601590.69	4131778.47	0.58850	601600.69	4131778.47	0.54720
601610.69	4131778.47	0.50997	601620.69	4131778.47	0.47664
601630.69	4131778.47	0.44664	601640.69	4131778.47	0.41924
601650.69	4131778.47	0.39385	601660.69	4131778.47	0.37058
601670.69	4131778.47	0.34925	601680.69	4131778.47	0.32967
601690.69	4131778.47	0.31165	601210.69	4131788.47	10.50541
601220.69	4131788.47	12.19224	601230.69	4131788.47	14.11035
601240.69	4131788.47	16.25894	601250.69	4131788.47	18.61960
601260.69	4131788.47	21.22911	601270.69	4131788.47	24.08466
601280.69	4131788.47	27.15623	601290.69	4131788.47	30.46383
601340.69	4131788.47	19.90627	601350.69	4131788.47	14.27005
601410.69	4131788.47	3.44185	601420.69	4131788.47	2.93232
601430.69	4131788.47	2.52942	601440.69	4131788.47	2.20437
601450.69	4131788.47	1.93782	601460.69	4131788.47	1.71628
601500.69	4131788.47	1.11922	601510.69	4131788.47	1.01748
601520.69	4131788.47	0.92848	601530.69	4131788.47	0.85021
601570.69	4131788.47	0.61759	601580.69	4131788.47	0.57430
601590.69	4131788.47	0.53473	601600.69	4131788.47	0.49878
601610.69	4131788.47	0.46621	601620.69	4131788.47	0.43680

601630.69	4131788.47	0.41006
601650.69	4131788.47	0.36308
601670.69	4131788.47	0.32338

601640.69	4131788.47	0.38557
601660.69	4131788.47	0.34239
601680.69	4131788.47	0.30587

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*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** MODELOPTS:   NonDEFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*

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

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601690.69	4131788.47	0.28971	601200.69	4131798.47	8.58812
601210.69	4131798.47	9.79569	601220.69	4131798.47	11.12486
601230.69	4131798.47	12.62065	601240.69	4131798.47	14.27340
601250.69	4131798.47	16.06278	601260.69	4131798.47	17.99102
601270.69	4131798.47	20.06604	601280.69	4131798.47	22.23918
601290.69	4131798.47	24.37784	601300.69	4131798.47	26.24333
601330.69	4131798.47	16.64490	601340.69	4131798.47	11.92643
601350.69	4131798.47	9.08675	601360.69	4131798.47	7.08070
601420.69	4131798.47	2.36199	601430.69	4131798.47	2.07200
601440.69	4131798.47	1.83231	601450.69	4131798.47	1.63139
601480.69	4131798.47	1.18936	601490.69	4131798.47	1.08002
601500.69	4131798.47	0.98444	601510.69	4131798.47	0.90040
601520.69	4131798.47	0.82617	601530.69	4131798.47	0.76030
601540.69	4131798.47	0.70176	601580.69	4131798.47	0.52426
601590.69	4131798.47	0.48961	601600.69	4131798.47	0.45798
601610.69	4131798.47	0.42920	601620.69	4131798.47	0.40296
601630.69	4131798.47	0.37897	601640.69	4131798.47	0.35700
601650.69	4131798.47	0.33682	601660.69	4131798.47	0.31826
601670.69	4131798.47	0.30116	601680.69	4131798.47	0.28536
601690.69	4131798.47	0.27074	601190.69	4131808.47	7.16026
601200.69	4131808.47	8.05098	601210.69	4131808.47	9.02124
601220.69	4131808.47	10.06713	601230.69	4131808.47	11.21839
601240.69	4131808.47	12.45302	601250.69	4131808.47	13.75275
601260.69	4131808.47	15.09008	601270.69	4131808.47	16.43944
601280.69	4131808.47	17.73405	601290.69	4131808.47	18.81308
601300.69	4131808.47	19.26112	601310.69	4131808.47	18.22432
601320.69	4131808.47	13.45652	601330.69	4131808.47	10.04957
601340.69	4131808.47	7.83877	601350.69	4131808.47	6.27925
601360.69	4131808.47	5.09805	601370.69	4131808.47	4.18824
601440.69	4131808.47	1.55532	601470.69	4131808.47	1.14827
601480.69	4131808.47	1.04611	601490.69	4131808.47	0.95624
601500.69	4131808.47	0.87678	601510.69	4131808.47	0.80623
601520.69	4131808.47	0.74334	601530.69	4131808.47	0.68747
601540.69	4131808.47	0.63744	601590.69	4131808.47	0.45112
601600.69	4131808.47	0.42304	601610.69	4131808.47	0.39739
601620.69	4131808.47	0.37391	601630.69	4131808.47	0.35238
601640.69	4131808.47	0.33260	601650.69	4131808.47	0.31438

601660.69	4131808.47	0.29758
601680.69	4131808.47	0.26768
601190.69	4131818.47	6.73339

601670.69	4131808.47	0.28205
601180.69	4131818.47	6.06685
601200.69	4131818.47	7.45144

601620.69	4131828.47	0.32799
601640.69	4131828.47	0.29373
601660.69	4131828.47	0.26438

601630.69	4131828.47	0.31018
601650.69	4131828.47	0.27850
601670.69	4131828.47	0.25128

*** AERMOD - VERSION 23132 *** *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc *** 11/17/24
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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
INCLUDING SOURCE(S): 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
601680.69	4131828.47	0.23910	601160.69	4131838.47	4.51198
601170.69	4131838.47	4.91140	601180.69	4131838.47	5.32793
601190.69	4131838.47	5.75634	601200.69	4131838.47	6.19209
601210.69	4131838.47	6.62821	601220.69	4131838.47	7.05324
601230.69	4131838.47	7.45752	601240.69	4131838.47	7.81565
601250.69	4131838.47	8.09704	601260.69	4131838.47	8.26216
601270.69	4131838.47	8.26488	601280.69	4131838.47	8.05861
601290.69	4131838.47	7.61117	601300.69	4131838.47	6.92998
601310.69	4131838.47	6.06565	601320.69	4131838.47	5.13324
601330.69	4131838.47	4.28748	601340.69	4131838.47	3.59772
601350.69	4131838.47	3.05239	601360.69	4131838.47	2.61581
601370.69	4131838.47	2.26246	601380.69	4131838.47	1.97424
601390.69	4131838.47	1.74016	601400.69	4131838.47	1.54979
601460.69	4131838.47	0.89081	601470.69	4131838.47	0.82342
601480.69	4131838.47	0.76294	601490.69	4131838.47	0.70830
601500.69	4131838.47	0.65846	601510.69	4131838.47	0.61309
601520.69	4131838.47	0.57182	601530.69	4131838.47	0.53450
601540.69	4131838.47	0.50063	601550.69	4131838.47	0.46952
601560.69	4131838.47	0.44064	601590.69	4131838.47	0.36714
601600.69	4131838.47	0.34641	601620.69	4131838.47	0.30960
601630.69	4131838.47	0.29325	601640.69	4131838.47	0.27808
601650.69	4131838.47	0.26402	601660.69	4131838.47	0.25095
601670.69	4131838.47	0.23880	601160.69	4131848.47	4.25848
601170.69	4131848.47	4.58359	601180.69	4131848.47	4.91568
601190.69	4131848.47	5.24759	601200.69	4131848.47	5.57238
601210.69	4131848.47	5.88150	601220.69	4131848.47	6.16516
601230.69	4131848.47	6.41038	601240.69	4131848.47	6.59651
601250.69	4131848.47	6.70189	601260.69	4131848.47	6.70467
601270.69	4131848.47	6.58116	601280.69	4131848.47	6.31284
601290.69	4131848.47	5.89790	601300.69	4131848.47	5.35873
601310.69	4131848.47	4.73214	601320.69	4131848.47	4.08113
601330.69	4131848.47	3.47848	601340.69	4131848.47	2.96820
601350.69	4131848.47	2.54907	601360.69	4131848.47	2.20734
601370.69	4131848.47	1.92857	601380.69	4131848.47	1.69952
601390.69	4131848.47	1.51150	601400.69	4131848.47	1.35669
601410.69	4131848.47	1.22781	601440.69	4131848.47	0.94344
601450.69	4131848.47	0.87117	601460.69	4131848.47	0.80662

601470.69	4131848.47	0.74919
601490.69	4131848.47	0.65049
601510.69	4131848.47	0.56720

601480.69	4131848.47	0.69755
601500.69	4131848.47	0.60706
601520.69	4131848.47	0.53073

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*** AERMOD - VERSION 23132 ***      *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc      ***      11/17/24
*** AERMET - VERSION 18081 ***      ***      ***      ***      19:36:26
*** MODELOPTs:   NonDEFAULT  CONC  FLAT and  ELEV  FLGPOL  URBAN  ADJ_U*      ***      PAGE 128

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

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*** 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
601530.69	4131848.47	0.49745	601540.69	4131848.47	0.46695
601550.69	4131848.47	0.43882	601590.69	4131848.47	0.34621
601600.69	4131848.47	0.32726	601610.69	4131848.47	0.30972
601620.69	4131848.47	0.29346	601630.69	4131848.47	0.27837
601640.69	4131848.47	0.26434	601650.69	4131848.47	0.25129
601660.69	4131848.47	0.23914	601670.69	4131848.47	0.22782
601170.69	4131858.47	4.24007	601180.69	4131858.47	4.49764
601190.69	4131858.47	4.74691	601200.69	4131858.47	4.97867
601210.69	4131858.47	5.18619	601220.69	4131858.47	5.36137
601230.69	4131858.47	5.49212	601240.69	4131858.47	5.56542
601250.69	4131858.47	5.56617	601260.69	4131858.47	5.48766
601270.69	4131858.47	5.31873	601280.69	4131858.47	5.05828
601290.69	4131858.47	4.70676	601300.69	4131858.47	4.28331
601310.69	4131858.47	3.81345	601320.69	4131858.47	3.33543
601330.69	4131858.47	2.88799	601340.69	4131858.47	2.49701
601350.69	4131858.47	2.16689	601360.69	4131858.47	1.89321
601370.69	4131858.47	1.66749	601380.69	4131858.47	1.48111
601390.69	4131858.47	1.32696	601400.69	4131858.47	1.19885
601440.69	4131858.47	0.85154	601450.69	4131858.47	0.78987
601460.69	4131858.47	0.73448	601470.69	4131858.47	0.68519
601480.69	4131858.47	0.64052	601490.69	4131858.47	0.59978
601500.69	4131858.47	0.56170	601510.69	4131858.47	0.52656
601520.69	4131858.47	0.49425	601530.69	4131858.47	0.46448
601540.69	4131858.47	0.43701	601550.69	4131858.47	0.41163
601580.69	4131858.47	0.34626	601590.69	4131858.47	0.32758
601600.69	4131858.47	0.31022	601610.69	4131858.47	0.29410
601620.69	4131858.47	0.27909	601630.69	4131858.47	0.26513
601640.69	4131858.47	0.25212	601650.69	4131858.47	0.24001
601660.69	4131858.47	0.22867	601140.69	4131868.47	3.29188
601150.69	4131868.47	3.49624	601160.69	4131868.47	3.69850
601190.69	4131868.47	4.26588	601200.69	4131868.47	4.42235
601210.69	4131868.47	4.55200	601220.69	4131868.47	4.64821
601230.69	4131868.47	4.70449	601240.69	4131868.47	4.71111
601250.69	4131868.47	4.65979	601260.69	4131868.47	4.54637
601290.69	4131868.47	3.84621	601300.69	4131868.47	3.51452
601310.69	4131868.47	3.15433	601320.69	4131868.47	2.78860
601330.69	4131868.47	2.44170	601340.69	4131868.47	2.13286

601350.69	4131868.47	1.86748
601370.69	4131868.47	1.45874
601390.69	4131868.47	1.17548

601360.69	4131868.47	1.64446
601380.69	4131868.47	1.30421
601430.69	4131868.47	0.83293

601420.69	4131888.47	0.74022
601440.69	4131888.47	0.64550
601460.69	4131888.47	0.56857

601430.69	4131888.47	0.69041
601450.69	4131888.47	0.60511
601470.69	4131888.47	0.53527

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
 INCLUDING SOURCE(S): 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
601480.69	4131888.47	0.50468	601490.69	4131888.47	0.47645
601500.69	4131888.47	0.45028	601510.69	4131888.47	0.42598
601520.69	4131888.47	0.40333	601560.69	4131888.47	0.32673
601570.69	4131888.47	0.31054	601580.69	4131888.47	0.29536
601590.69	4131888.47	0.28111	601600.69	4131888.47	0.26772
601610.69	4131888.47	0.25514	601620.69	4131888.47	0.24336
601630.69	4131888.47	0.23225	601170.69	4131898.47	2.93648
601180.69	4131898.47	2.99859	601190.69	4131898.47	3.04506
601220.69	4131898.47	3.06549	601230.69	4131898.47	3.02937
601310.69	4131898.47	1.97384	601320.69	4131898.47	1.78354
601330.69	4131898.47	1.59956	601340.69	4131898.47	1.42947
601350.69	4131898.47	1.27824	601360.69	4131898.47	1.14666
601370.69	4131898.47	1.03372	601410.69	4131898.47	0.72637
601420.69	4131898.47	0.67578	601430.69	4131898.47	0.63154
601440.69	4131898.47	0.59194	601450.69	4131898.47	0.55642
601460.69	4131898.47	0.52427	601470.69	4131898.47	0.49493
601480.69	4131898.47	0.46796	601490.69	4131898.47	0.44301
601500.69	4131898.47	0.41984	601510.69	4131898.47	0.39825
601560.69	4131898.47	0.30928	601570.69	4131898.47	0.29460
601580.69	4131898.47	0.28079	601590.69	4131898.47	0.26778
601600.69	4131898.47	0.25553	601610.69	4131898.47	0.24398
601620.69	4131898.47	0.23316	601630.69	4131898.47	0.22297
601180.69	4131908.47	2.69575	601190.69	4131908.47	2.72023
601200.69	4131908.47	2.72793	601220.69	4131908.47	2.69168
601230.69	4131908.47	2.64762	601320.69	4131908.47	1.57026
601330.69	4131908.47	1.41673	601340.69	4131908.47	1.27365
601350.69	4131908.47	1.14544	601360.69	4131908.47	1.03303
601400.69	4131908.47	0.71725	601410.69	4131908.47	0.66469
601420.69	4131908.47	0.61940	601430.69	4131908.47	0.57975
601440.69	4131908.47	0.54463	601450.69	4131908.47	0.51314
601460.69	4131908.47	0.48467	601470.69	4131908.47	0.45867
601480.69	4131908.47	0.43476	601490.69	4131908.47	0.41262
601500.69	4131908.47	0.39203	601510.69	4131908.47	0.37280
601560.69	4131908.47	0.29296	601570.69	4131908.47	0.27966
601580.69	4131908.47	0.26711	601590.69	4131908.47	0.25525
601600.69	4131908.47	0.24405	601610.69	4131908.47	0.23345
601620.69	4131908.47	0.22355	601630.69	4131908.47	0.21421

601190.69	4131918.47	2.43313
601330.69	4131918.47	1.26449
601350.69	4131918.47	1.03320

601200.69	4131918.47	2.42746
601340.69	4131918.47	1.14293
601390.69	4131918.47	0.71263

*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
 INCLUDING SOURCE(S): 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
601400.69	4131918.47	0.65776	601410.69	4131918.47	0.61059
601420.69	4131918.47	0.56980	601430.69	4131918.47	0.53417
601440.69	4131918.47	0.50271	601450.69	4131918.47	0.47458
601460.69	4131918.47	0.44919	601470.69	4131918.47	0.42607
601480.69	4131918.47	0.40474	601490.69	4131918.47	0.38505
601500.69	4131918.47	0.36667	601510.69	4131918.47	0.34949
601520.69	4131918.47	0.33336	601570.69	4131918.47	0.26566
601580.69	4131918.47	0.25426	601590.69	4131918.47	0.24345
601600.69	4131918.47	0.23321	601610.69	4131918.47	0.22349
601620.69	4131918.47	0.21442	601630.69	4131918.47	0.20586
601340.69	4131928.47	1.03274	601390.69	4131928.47	0.65401
601400.69	4131928.47	0.60490	601410.69	4131928.47	0.56254
601420.69	4131928.47	0.52582	601430.69	4131928.47	0.49374
601440.69	4131928.47	0.46542	601450.69	4131928.47	0.44014
601460.69	4131928.47	0.41733	601470.69	4131928.47	0.39671
601480.69	4131928.47	0.37779	601490.69	4131928.47	0.36026
601500.69	4131928.47	0.34380	601510.69	4131928.47	0.32836
601520.69	4131928.47	0.31387	601530.69	4131928.47	0.30021
601580.69	4131928.47	0.24229	601590.69	4131928.47	0.23244
601600.69	4131928.47	0.22307	601610.69	4131928.47	0.21416
601620.69	4131928.47	0.20578	601380.69	4131938.47	0.65365
601390.69	4131938.47	0.60257	601400.69	4131938.47	0.55836
601410.69	4131938.47	0.52012	601420.69	4131938.47	0.48689
601430.69	4131938.47	0.45782	601440.69	4131938.47	0.43218
601450.69	4131938.47	0.40930	601460.69	4131938.47	0.38868
601470.69	4131938.47	0.37021	601480.69	4131938.47	0.35330
601490.69	4131938.47	0.33768	601500.69	4131938.47	0.32287
601510.69	4131938.47	0.30894	601520.69	4131938.47	0.29584
601530.69	4131938.47	0.28351	601540.69	4131938.47	0.27185
601550.69	4131938.47	0.26082	601590.69	4131938.47	0.22197
601600.69	4131938.47	0.21341	601610.69	4131938.47	0.20525
601620.69	4131938.47	0.19749	601370.69	4131948.47	0.65568
601380.69	4131948.47	0.60307	601390.69	4131948.47	0.55712
601400.69	4131948.47	0.51718	601410.69	4131948.47	0.48248
601420.69	4131948.47	0.45227	601430.69	4131948.47	0.42580
601440.69	4131948.47	0.40249	601450.69	4131948.47	0.38166
601460.69	4131948.47	0.36296	601470.69	4131948.47	0.34624

601480.69	4131948.47	0.33104
601500.69	4131948.47	0.30354
601520.69	4131948.47	0.27906

601490.69	4131948.47	0.31693
601510.69	4131948.47	0.29092
601530.69	4131948.47	0.26789

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
 INCLUDING SOURCE(S): 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
601540.69	4131948.47	0.25732	601550.69	4131948.47	0.24730
601560.69	4131948.47	0.23780	601600.69	4131948.47	0.20412
601610.69	4131948.47	0.19664	601360.69	4131958.47	0.65880
601370.69	4131958.47	0.60550	601380.69	4131958.47	0.55825
601390.69	4131958.47	0.51676	601400.69	4131958.47	0.48053
601410.69	4131958.47	0.44892	601420.69	4131958.47	0.42134
601430.69	4131958.47	0.39713	601440.69	4131958.47	0.37589
601450.69	4131958.47	0.35703	601460.69	4131958.47	0.34006
601470.69	4131958.47	0.32473	601480.69	4131958.47	0.31070
601490.69	4131958.47	0.29774	601500.69	4131958.47	0.28554
601510.69	4131958.47	0.27406	601520.69	4131958.47	0.26329
601530.69	4131958.47	0.25313	601540.69	4131958.47	0.24353
601550.69	4131958.47	0.23443	601560.69	4131958.47	0.22578
601570.69	4131958.47	0.21756	601360.69	4131968.47	0.60873
601370.69	4131968.47	0.56092	601380.69	4131968.47	0.51833
601390.69	4131968.47	0.48073	601400.69	4131968.47	0.44775
601410.69	4131968.47	0.41888	601420.69	4131968.47	0.39359
601430.69	4131968.47	0.37137	601440.69	4131968.47	0.35200
601450.69	4131968.47	0.33478	601460.69	4131968.47	0.31936
601470.69	4131968.47	0.30520	601480.69	4131968.47	0.29218
601490.69	4131968.47	0.28021	601500.69	4131968.47	0.26903
601510.69	4131968.47	0.25855	601520.69	4131968.47	0.24871
601530.69	4131968.47	0.23945	601540.69	4131968.47	0.23069
601550.69	4131968.47	0.22239	601560.69	4131968.47	0.21451
601570.69	4131968.47	0.20700	601580.69	4131968.47	0.19985
601590.69	4131968.47	0.19302	601390.69	4131978.47	0.44848
601400.69	4131978.47	0.41840	601410.69	4131978.47	0.39195
601420.69	4131978.47	0.36870	601430.69	4131978.47	0.34822
601440.69	4131978.47	0.33041	601450.69	4131978.47	0.31464
601460.69	4131978.47	0.30044	601470.69	4131978.47	0.28736
601480.69	4131978.47	0.27530	601490.69	4131978.47	0.26419
601500.69	4131978.47	0.25389	601510.69	4131978.47	0.24428
601520.69	4131978.47	0.23527	601530.69	4131978.47	0.22678
601540.69	4131978.47	0.21876	601550.69	4131978.47	0.21115
601560.69	4131978.47	0.20394	601570.69	4131978.47	0.19707
601580.69	4131978.47	0.19053	601390.69	4131988.47	0.41970
601400.69	4131988.47	0.39229	601410.69	4131988.47	0.36798

601420.69	4131988.47	0.34654
601440.69	4131988.47	0.31102
601460.69	4131988.47	0.28303

601430.69	4131988.47	0.32761
601450.69	4131988.47	0.29628
601470.69	4131988.47	0.27089

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

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*** 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
601480.69	4131988.47	0.25976	601490.69	4131988.47	0.24951
601500.69	4131988.47	0.24001	601510.69	4131988.47	0.23116
601520.69	4131988.47	0.22286	601530.69	4131988.47	0.21505
601540.69	4131988.47	0.20768	601550.69	4131988.47	0.20069
601560.69	4131988.47	0.19406	601570.69	4131988.47	0.18775
601580.69	4131988.47	0.18174	601390.69	4131998.47	0.39367
601400.69	4131998.47	0.36867	601410.69	4131998.47	0.34629
601420.69	4131998.47	0.32644	601430.69	4131998.47	0.30889
601440.69	4131998.47	0.29339	601450.69	4131998.47	0.27955
601460.69	4131998.47	0.26715	601470.69	4131998.47	0.25587
601480.69	4131998.47	0.24554	601490.69	4131998.47	0.23605
601500.69	4131998.47	0.22727	601510.69	4131998.47	0.21908
601520.69	4131998.47	0.21141	601530.69	4131998.47	0.20420
601540.69	4131998.47	0.19739	601550.69	4131998.47	0.19095
601400.69	4132008.47	0.34707	601410.69	4132008.47	0.32642
601420.69	4132008.47	0.30802	601430.69	4132008.47	0.29171
601440.69	4132008.47	0.27722	601450.69	4132008.47	0.26428
601460.69	4132008.47	0.25265	601470.69	4132008.47	0.24212
601480.69	4132008.47	0.23252	601490.69	4132008.47	0.22370
601500.69	4132008.47	0.21554	601510.69	4132008.47	0.20795
601520.69	4132008.47	0.20083	601530.69	4132008.47	0.19415
601540.69	4132008.47	0.18786	601550.69	4132008.47	0.18192
601410.69	4132018.47	0.30799	601420.69	4132018.47	0.29091
601430.69	4132018.47	0.27573	601440.69	4132018.47	0.26224
601450.69	4132018.47	0.25017	601460.69	4132018.47	0.23933
601470.69	4132018.47	0.22952	601480.69	4132018.47	0.22056
601490.69	4132018.47	0.21235	601500.69	4132018.47	0.20475
601510.69	4132018.47	0.19767	601520.69	4132018.47	0.19107
601530.69	4132018.47	0.18490	601540.69	4132018.47	0.17911
601300.69	4132028.47	0.59464	601310.69	4132028.47	0.56081
601420.69	4132028.47	0.27525	601430.69	4132028.47	0.26111
601440.69	4132028.47	0.24851	601450.69	4132028.47	0.23723
601460.69	4132028.47	0.22710	601470.69	4132028.47	0.21792
601480.69	4132028.47	0.20956	601490.69	4132028.47	0.20188
601500.69	4132028.47	0.19479	601510.69	4132028.47	0.18819
601520.69	4132028.47	0.18202	601530.69	4132028.47	0.17631
601300.69	4132038.47	0.55356	601310.69	4132038.47	0.52284

601320.69	4132038.47	0.49200
601340.69	4132038.47	0.43209
601430.69	4132038.47	0.24768

601330.69	4132038.47	0.46159
601420.69	4132038.47	0.26089
601440.69	4132038.47	0.23589

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*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
INCLUDING SOURCE(S): 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
601450.69	4132038.47	0.22533	601460.69	4132038.47	0.21584
601470.69	4132038.47	0.20724	601480.69	4132038.47	0.19941
601490.69	4132038.47	0.19223	601500.69	4132038.47	0.18558
601510.69	4132038.47	0.17942	601520.69	4132038.47	0.17367
601310.69	4132048.47	0.48896	601320.69	4132048.47	0.46085
601330.69	4132048.47	0.43309	601340.69	4132048.47	0.40612
601420.69	4132048.47	0.24768	601430.69	4132048.47	0.23532
601440.69	4132048.47	0.22427	601450.69	4132048.47	0.21436
601460.69	4132048.47	0.20545	601470.69	4132048.47	0.19737
601480.69	4132048.47	0.19003	601490.69	4132048.47	0.18328
601500.69	4132048.47	0.17711	601510.69	4132048.47	0.17139
601320.69	4132058.47	0.43267	601330.69	4132058.47	0.40724
601340.69	4132058.47	0.38252	601350.69	4132058.47	0.35891
601420.69	4132058.47	0.23550	601430.69	4132058.47	0.22391
601440.69	4132058.47	0.21354	601450.69	4132058.47	0.20422
601460.69	4132058.47	0.19584	601470.69	4132058.47	0.18825
601480.69	4132058.47	0.18133	601490.69	4132058.47	0.17500
601500.69	4132058.47	0.16922	601510.69	4132058.47	0.16383
601330.69	4132068.47	0.38358	601340.69	4132068.47	0.36085
601350.69	4132068.47	0.33905	601360.69	4132068.47	0.31839
601420.69	4132068.47	0.22425	601430.69	4132068.47	0.21336
601440.69	4132068.47	0.20360	601450.69	4132068.47	0.19485
601460.69	4132068.47	0.18697	601470.69	4132068.47	0.17981
601480.69	4132068.47	0.17330	601340.69	4132078.47	0.34076
601350.69	4132078.47	0.32064	601360.69	4132078.47	0.30155
601370.69	4132078.47	0.28365	601430.69	4132078.47	0.20358
601440.69	4132078.47	0.19445	601450.69	4132078.47	0.18624
601460.69	4132078.47	0.17880	601350.69	4132088.47	0.30373
601360.69	4132088.47	0.28605	601370.69	4132088.47	0.26943
601380.69	4132088.47	0.25396	601390.69	4132088.47	0.23971
601430.69	4132088.47	0.19450	601440.69	4132088.47	0.18591
601450.69	4132088.47	0.17815	601370.69	4132098.47	0.25629
601380.69	4132098.47	0.24187	601390.69	4132098.47	0.22855
601400.69	4132098.47	0.21634	601380.69	4132108.47	0.23065
601390.69	4132108.47	0.21818	601400.69	4132108.47	0.20672
601410.69	4132108.47	0.19632			

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
 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 ,

*** 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
601470.69	4131438.47	0.47787	601480.69	4131438.47	0.48958
601490.69	4131438.47	0.50013	601470.69	4131448.47	0.52156
601480.69	4131448.47	0.53327	601490.69	4131448.47	0.54352
601460.69	4131458.47	0.55682	601470.69	4131458.47	0.56987
601480.69	4131458.47	0.58124	601490.69	4131458.47	0.59084
601500.69	4131458.47	0.59857	601510.69	4131458.47	0.60449
601450.69	4131468.47	0.59592	601460.69	4131468.47	0.61047
601470.69	4131468.47	0.62308	601480.69	4131468.47	0.63365
601490.69	4131468.47	0.64212	601500.69	4131468.47	0.64833
601510.69	4131468.47	0.65247	601520.69	4131468.47	0.65459
601530.69	4131468.47	0.65505	601450.69	4131478.47	0.65598
601460.69	4131478.47	0.66989	601470.69	4131478.47	0.68146
601480.69	4131478.47	0.69057	601490.69	4131478.47	0.69723
601500.69	4131478.47	0.70140	601510.69	4131478.47	0.70324
601520.69	4131478.47	0.70294	601530.69	4131478.47	0.70080
601540.69	4131478.47	0.69689	601470.69	4131488.47	0.74512
601480.69	4131488.47	0.75204	601490.69	4131488.47	0.75616
601500.69	4131488.47	0.75757	601510.69	4131488.47	0.75648
601520.69	4131488.47	0.75314	601530.69	4131488.47	0.74785
601540.69	4131488.47	0.74075	601550.69	4131488.47	0.73207
601560.69	4131488.47	0.72204	601480.69	4131498.47	0.81781
601490.69	4131498.47	0.81852	601500.69	4131498.47	0.81637
601510.69	4131498.47	0.81164	601520.69	4131498.47	0.80460
601530.69	4131498.47	0.79555	601540.69	4131498.47	0.78477
601550.69	4131498.47	0.77254	601560.69	4131498.47	0.75909
601570.69	4131498.47	0.74467	601430.69	4131508.47	0.85070
601440.69	4131508.47	0.86617	601450.69	4131508.47	0.87738
601490.69	4131508.47	0.88373	601500.69	4131508.47	0.87709
601510.69	4131508.47	0.86785	601520.69	4131508.47	0.85637
601530.69	4131508.47	0.84301	601540.69	4131508.47	0.82809
601550.69	4131508.47	0.81191	601560.69	4131508.47	0.79476
601570.69	4131508.47	0.77686	601580.69	4131508.47	0.75843
601590.69	4131508.47	0.73966	601420.69	4131518.47	0.92823
601430.69	4131518.47	0.94571	601440.69	4131518.47	0.95795

601450.69	4131518.47	0.96517
601470.69	4131518.47	0.96579
601510.69	4131518.47	0.92440
601530.69	4131518.47	0.88963
601550.69	4131518.47	0.84972
601570.69	4131518.47	0.80707

601460.69	4131518.47	0.96763
601500.69	4131518.47	0.93894
601520.69	4131518.47	0.90783
601540.69	4131518.47	0.87015
601560.69	4131518.47	0.82861
601580.69	4131518.47	0.78531

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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
 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 ,

*** 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
601590.69	4131518.47	0.76349	601600.69	4131518.47	0.74176
601420.69	4131528.47	1.03731	601430.69	4131528.47	1.05070
601440.69	4131528.47	1.05784	601450.69	4131528.47	1.05925
601460.69	4131528.47	1.05547	601470.69	4131528.47	1.04710
601480.69	4131528.47	1.03477	601520.69	4131528.47	0.95795
601530.69	4131528.47	0.93446	601540.69	4131528.47	0.91009
601550.69	4131528.47	0.88517	601560.69	4131528.47	0.85997
601570.69	4131528.47	0.83471	601580.69	4131528.47	0.80959
601590.69	4131528.47	0.78474	601600.69	4131528.47	0.76029
601610.69	4131528.47	0.73632	601410.69	4131538.47	1.14444
601420.69	4131538.47	1.15924	601430.69	4131538.47	1.16631
601440.69	4131538.47	1.16602	601450.69	4131538.47	1.15939
601460.69	4131538.47	1.14735	601470.69	4131538.47	1.13077
601480.69	4131538.47	1.11045	601500.69	4131538.47	1.06159
601540.69	4131538.47	0.94732	601550.69	4131538.47	0.91778
601560.69	4131538.47	0.88844	601570.69	4131538.47	0.85947
601580.69	4131538.47	0.83103	601590.69	4131538.47	0.80324
601600.69	4131538.47	0.77617	601610.69	4131538.47	0.74990
601620.69	4131538.47	0.72445	601630.69	4131538.47	0.69985
601400.69	4131548.47	1.26954	601410.69	4131548.47	1.28610
601420.69	4131548.47	1.29282	601430.69	4131548.47	1.29055
601440.69	4131548.47	1.28011	601450.69	4131548.47	1.26311
601460.69	4131548.47	1.24087	601470.69	4131548.47	1.21448
601480.69	4131548.47	1.18492	601490.69	4131548.47	1.15305
601500.69	4131548.47	1.11959	601510.69	4131548.47	1.08517
601550.69	4131548.47	0.94657	601560.69	4131548.47	0.91315
601570.69	4131548.47	0.88060	601580.69	4131548.47	0.84902
601590.69	4131548.47	0.81846	601600.69	4131548.47	0.78897
601610.69	4131548.47	0.76057	601620.69	4131548.47	0.73327
601630.69	4131548.47	0.70706	601380.69	4131558.47	1.38660
601390.69	4131558.47	1.41823	601400.69	4131558.47	1.43642
601410.69	4131558.47	1.44203	601420.69	4131558.47	1.43632
601430.69	4131558.47	1.42117	601440.69	4131558.47	1.39764
601450.69	4131558.47	1.36785	601460.69	4131558.47	1.33358

601470.69	4131558.47	1.29595
601490.69	4131558.47	1.21492
601510.69	4131558.47	1.13128
601570.69	4131558.47	0.89772
601590.69	4131558.47	0.83016
601610.69	4131558.47	0.76824

601480.69	4131558.47	1.25610
601500.69	4131558.47	1.17312
601520.69	4131558.47	1.08983
601580.69	4131558.47	0.86323
601600.69	4131558.47	0.79851
601620.69	4131558.47	0.73932

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
 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 ,

*** 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
601380.69	4131568.47	1.59918	601390.69	4131568.47	1.61845
601400.69	4131568.47	1.62146	601410.69	4131568.47	1.60996
601420.69	4131568.47	1.58671	601430.69	4131568.47	1.55428
601440.69	4131568.47	1.51481	601450.69	4131568.47	1.47031
601460.69	4131568.47	1.42249	601470.69	4131568.47	1.37257
601480.69	4131568.47	1.32173	601490.69	4131568.47	1.27085
601500.69	4131568.47	1.22057	601510.69	4131568.47	1.17134
601520.69	4131568.47	1.12350	601530.69	4131568.47	1.07728
601570.69	4131568.47	0.91053	601580.69	4131568.47	0.87348
601590.69	4131568.47	0.83823	601600.69	4131568.47	0.80471
601610.69	4131568.47	0.77286	601620.69	4131568.47	0.74259
601370.69	4131578.47	1.82105	601380.69	4131578.47	1.84097
601390.69	4131578.47	1.83949	601400.69	4131578.47	1.81988
601410.69	4131578.47	1.78519	601420.69	4131578.47	1.73942
601430.69	4131578.47	1.68611	601440.69	4131578.47	1.62794
601450.69	4131578.47	1.56688	601460.69	4131578.47	1.50439
601470.69	4131578.47	1.44156	601480.69	4131578.47	1.37950
601490.69	4131578.47	1.31899	601500.69	4131578.47	1.26046
601510.69	4131578.47	1.20421	601520.69	4131578.47	1.15041
601530.69	4131578.47	1.09912	601540.69	4131578.47	1.05038
601550.69	4131578.47	1.00414	601590.69	4131578.47	0.84264
601600.69	4131578.47	0.80761	601610.69	4131578.47	0.77449
601360.69	4131588.47	2.09796	601370.69	4131588.47	2.11756
601380.69	4131588.47	2.10839	601390.69	4131588.47	2.07573
601400.69	4131588.47	2.02510	601410.69	4131588.47	1.96091
601420.69	4131588.47	1.88837	601430.69	4131588.47	1.81116
601440.69	4131588.47	1.73235	601450.69	4131588.47	1.65351
601460.69	4131588.47	1.57598	601470.69	4131588.47	1.50025
601480.69	4131588.47	1.42733	601490.69	4131588.47	1.35771
601500.69	4131588.47	1.29158	601510.69	4131588.47	1.22898
601520.69	4131588.47	1.16990	601530.69	4131588.47	1.11424
601540.69	4131588.47	1.06186	601550.69	4131588.47	1.01262
601560.69	4131588.47	0.96633	601350.69	4131598.47	2.45038
601360.69	4131598.47	2.46807	601370.69	4131598.47	2.44579

601380.69	4131598.47	2.39261
601400.69	4131598.47	2.22740
601420.69	4131598.47	2.02640
601440.69	4131598.47	1.82341
601460.69	4131598.47	1.63417
601480.69	4131598.47	1.46351

601390.69	4131598.47	2.31727
601410.69	4131598.47	2.12876
601430.69	4131598.47	1.92384
601450.69	4131598.47	1.72662
601470.69	4131598.47	1.54632
601490.69	4131598.47	1.38581

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
 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 ,

*** 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
601500.69	4131598.47	1.31308	601510.69	4131598.47	1.24512
601520.69	4131598.47	1.18167	601530.69	4131598.47	1.12246
601540.69	4131598.47	1.06722	601550.69	4131598.47	1.01565
601560.69	4131598.47	0.96750	601570.69	4131598.47	0.92249
601580.69	4131598.47	0.88040	601340.69	4131608.47	2.91056
601350.69	4131608.47	2.92180	601360.69	4131608.47	2.87729
601370.69	4131608.47	2.79129	601380.69	4131608.47	2.67825
601390.69	4131608.47	2.54970	601400.69	4131608.47	2.41426
601410.69	4131608.47	2.27777	601420.69	4131608.47	2.14447
601430.69	4131608.47	2.01672	601440.69	4131608.47	1.89572
601450.69	4131608.47	1.78224	601460.69	4131608.47	1.67649
601470.69	4131608.47	1.57811	601480.69	4131608.47	1.48696
601490.69	4131608.47	1.40263	601500.69	4131608.47	1.32463
601510.69	4131608.47	1.25250	601520.69	4131608.47	1.18576
601530.69	4131608.47	1.12396	601540.69	4131608.47	1.06667
601550.69	4131608.47	1.01352	601560.69	4131608.47	0.96413
601570.69	4131608.47	0.91818	601580.69	4131608.47	0.87537
601330.69	4131618.47	3.52898	601340.69	4131618.47	3.52584
601350.69	4131618.47	3.44124	601360.69	4131618.47	3.30182
601370.69	4131618.47	3.13010	601380.69	4131618.47	2.94384
601390.69	4131618.47	2.75538	601400.69	4131618.47	2.57182
601410.69	4131618.47	2.39770	601420.69	4131618.47	2.23500
601430.69	4131618.47	2.08458	601440.69	4131618.47	1.94558
601450.69	4131618.47	1.81807	601460.69	4131618.47	1.70144
601470.69	4131618.47	1.59482	601480.69	4131618.47	1.49733
601490.69	4131618.47	1.40813	601500.69	4131618.47	1.32641
601510.69	4131618.47	1.25144	601520.69	4131618.47	1.18255
601530.69	4131618.47	1.11914	601540.69	4131618.47	1.06067
601550.69	4131618.47	1.00666	601560.69	4131618.47	0.95667
601570.69	4131618.47	0.91031	601580.69	4131618.47	0.86725
601330.69	4131628.47	4.35630	601340.69	4131628.47	4.19897
601350.69	4131628.47	3.96864	601360.69	4131628.47	3.70353
601370.69	4131628.47	3.43064	601380.69	4131628.47	3.16527
601390.69	4131628.47	2.91630	601400.69	4131628.47	2.68744

601440.69	4131628.47	1.97078
601460.69	4131628.47	1.70886
601480.69	4131628.47	1.49510
601500.69	4131628.47	1.31910
601520.69	4131628.47	1.17276
601540.69	4131628.47	1.04986

601450.69	4131628.47	1.83305
601470.69	4131628.47	1.59666
601490.69	4131628.47	1.40293
601510.69	4131628.47	1.24265
601530.69	4131628.47	1.10870
601550.69	4131628.47	0.99568

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
 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 ,

*** 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
601560.69	4131628.47	0.94566	601570.69	4131628.47	0.89940
601350.69	4131638.47	4.43412	601360.69	4131638.47	4.03016
601370.69	4131638.47	3.65617	601380.69	4131638.47	3.31816
601390.69	4131638.47	3.01745	601410.69	4131638.47	2.51940
601420.69	4131638.47	2.31441	601450.69	4131638.47	1.82814
601460.69	4131638.47	1.69980	601470.69	4131638.47	1.58482
601480.69	4131638.47	1.48146	601490.69	4131638.47	1.38822
601500.69	4131638.47	1.30381	601510.69	4131638.47	1.22715
601520.69	4131638.47	1.15732	601530.69	4131638.47	1.09350
601540.69	4131638.47	1.03501	601550.69	4131638.47	0.98127
601560.69	4131638.47	0.93174	601620.69	4131638.47	0.70168
601630.69	4131638.47	0.67182	601640.69	4131638.47	0.64382
601310.69	4131648.47	7.21298	601320.69	4131648.47	6.67101
601350.69	4131648.47	4.76296	601360.69	4131648.47	4.23503
601370.69	4131648.47	3.77962	601380.69	4131648.47	3.38794
601400.69	4131648.47	2.76434	601410.69	4131648.47	2.51705
601420.69	4131648.47	2.30291	601430.69	4131648.47	2.11627
601470.69	4131648.47	1.56137	601480.69	4131648.47	1.45831
601490.69	4131648.47	1.36576	601500.69	4131648.47	1.28214
601510.69	4131648.47	1.20638	601520.69	4131648.47	1.13749
601530.69	4131648.47	1.07465	601540.69	4131648.47	1.01712
601550.69	4131648.47	0.96431	601560.69	4131648.47	0.91569
601620.69	4131648.47	0.68995	601630.69	4131648.47	0.66066
601640.69	4131648.47	0.63319	601650.69	4131648.47	0.60740
601660.69	4131648.47	0.58306	601300.69	4131658.47	9.69720
601310.69	4131658.47	8.66118	601320.69	4131658.47	7.54753
601330.69	4131658.47	6.51983	601370.69	4131658.47	3.79069
601390.69	4131658.47	3.02462	601400.69	4131658.47	2.72974
601410.69	4131658.47	2.47870	601420.69	4131658.47	2.26335
601430.69	4131658.47	2.07663	601440.69	4131658.47	1.91282
601450.69	4131658.47	1.76884	601480.69	4131658.47	1.42811
601490.69	4131658.47	1.33767	601500.69	4131658.47	1.25597
601510.69	4131658.47	1.18198	601520.69	4131658.47	1.11474
601530.69	4131658.47	1.05343	601540.69	4131658.47	0.99733

601550.69	4131658.47	0.94583
601610.69	4131658.47	0.70823
601630.69	4131658.47	0.64900
601650.69	4131658.47	0.59697
601670.69	4131658.47	0.55088
601320.69	4131668.47	7.90278

601600.69	4131658.47	0.74110
601620.69	4131658.47	0.67763
601640.69	4131658.47	0.62213
601660.69	4131658.47	0.57328
601310.69	4131668.47	9.49919
601330.69	4131668.47	6.63106

*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

 *** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
 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 ,

*** 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
601340.69	4131668.47	5.62919	601350.69	4131668.47	4.83972
601390.69	4131668.47	2.94647	601400.69	4131668.47	2.65792
601410.69	4131668.47	2.41249	601420.69	4131668.47	2.20204
601430.69	4131668.47	2.02013	601440.69	4131668.47	1.86117
601450.69	4131668.47	1.72172	601460.69	4131668.47	1.59858
601500.69	4131668.47	1.22626	601510.69	4131668.47	1.15468
601520.69	4131668.47	1.08963	601530.69	4131668.47	1.03028
601540.69	4131668.47	0.97594	601590.69	4131668.47	0.76136
601600.69	4131668.47	0.72704	601610.69	4131668.47	0.69485
601620.69	4131668.47	0.66498	601630.69	4131668.47	0.63707
601640.69	4131668.47	0.61083	601650.69	4131668.47	0.58636
601660.69	4131668.47	0.56326	601670.69	4131668.47	0.54142
601680.69	4131668.47	0.52059	601700.69	4131668.47	0.48202
601320.69	4131678.47	7.69491	601330.69	4131678.47	6.38828
601340.69	4131678.47	5.39912	601350.69	4131678.47	4.63596
601390.69	4131678.47	2.83466	601400.69	4131678.47	2.56154
601410.69	4131678.47	2.32754	601420.69	4131678.47	2.12657
601430.69	4131678.47	1.95276	601440.69	4131678.47	1.80136
601450.69	4131678.47	1.66826	601460.69	4131678.47	1.55075
601470.69	4131678.47	1.44684	601480.69	4131678.47	1.35380
601510.69	4131678.47	1.12573	601520.69	4131678.47	1.06318
601530.69	4131678.47	1.00605	601540.69	4131678.47	0.95368
601580.69	4131678.47	0.78187	601590.69	4131678.47	0.74614
601600.69	4131678.47	0.71272	601610.69	4131678.47	0.68144
601620.69	4131678.47	0.65233	601630.69	4131678.47	0.62513
601640.69	4131678.47	0.59954	601650.69	4131678.47	0.57570
601660.69	4131678.47	0.55317	601670.69	4131678.47	0.53183
601680.69	4131678.47	0.51145	601690.69	4131678.47	0.49205
601700.69	4131678.47	0.47361	601330.69	4131688.47	5.95530
601340.69	4131688.47	5.05746	601350.69	4131688.47	4.36347
601360.69	4131688.47	3.81486	601370.69	4131688.47	3.37258
601390.69	4131688.47	2.70612	601400.69	4131688.47	2.45081
601410.69	4131688.47	2.23191	601420.69	4131688.47	2.04349
601430.69	4131688.47	1.88005	601440.69	4131688.47	1.73765

601450.69	4131688.47	1.61233
601470.69	4131688.47	1.40223
601490.69	4131688.47	1.23386
601580.69	4131688.47	0.76533
601600.69	4131688.47	0.69853
601620.69	4131688.47	0.64006

601460.69	4131688.47	1.50121
601480.69	4131688.47	1.31361
601530.69	4131688.47	0.98124
601590.69	4131688.47	0.73081
601610.69	4131688.47	0.66830
601630.69	4131688.47	0.61357

*** AERMOD - VERSION 23132 *** *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc *** 11/17/24
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 *** *** *** *** *** *** PAGE 141

*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
 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 ,

*** 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
601640.69	4131688.47	0.58860	601650.69	4131688.47	0.56518
601660.69	4131688.47	0.54306	601670.69	4131688.47	0.52211
601680.69	4131688.47	0.50213	601690.69	4131688.47	0.48310
601700.69	4131688.47	0.46501	601710.69	4131688.47	0.44779
601270.69	4131698.47	8.51473	601340.69	4131698.47	4.68975
601350.69	4131698.47	4.07471	601360.69	4131698.47	3.58349
601370.69	4131698.47	3.18437	601380.69	4131698.47	2.85179
601400.69	4131698.47	2.33685	601410.69	4131698.47	2.13395
601420.69	4131698.47	1.95872	601430.69	4131698.47	1.80616
601440.69	4131698.47	1.67325	601450.69	4131698.47	1.55568
601460.69	4131698.47	1.45115	601470.69	4131698.47	1.35758
601480.69	4131698.47	1.27347	601490.69	4131698.47	1.19768
601500.69	4131698.47	1.12892	601560.69	4131698.47	0.82291
601570.69	4131698.47	0.78468	601580.69	4131698.47	0.74909
601590.69	4131698.47	0.71579	601600.69	4131698.47	0.68459
601610.69	4131698.47	0.65533	601620.69	4131698.47	0.62793
601630.69	4131698.47	0.60212	601640.69	4131698.47	0.57777
601650.69	4131698.47	0.55481	601660.69	4131698.47	0.53306
601670.69	4131698.47	0.51247	601680.69	4131698.47	0.49287
601690.69	4131698.47	0.47420	601700.69	4131698.47	0.45644
601710.69	4131698.47	0.43951	601270.69	4131708.47	12.39698
601280.69	4131708.47	10.42061	601350.69	4131708.47	3.79723
601360.69	4131708.47	3.35971	601370.69	4131708.47	3.00088
601380.69	4131708.47	2.69840	601390.69	4131708.47	2.44292
601420.69	4131708.47	1.87580	601430.69	4131708.47	1.73390
601440.69	4131708.47	1.61020	601450.69	4131708.47	1.50023
601460.69	4131708.47	1.40220	601470.69	4131708.47	1.31400
601480.69	4131708.47	1.23444	601490.69	4131708.47	1.16251
601500.69	4131708.47	1.09719	601510.69	4131708.47	1.03763
601560.69	4131708.47	0.80455	601570.69	4131708.47	0.76769
601580.69	4131708.47	0.73331	601590.69	4131708.47	0.70116
601600.69	4131708.47	0.67101	601610.69	4131708.47	0.64268
601620.69	4131708.47	0.61601	601630.69	4131708.47	0.59085
601640.69	4131708.47	0.56707	601650.69	4131708.47	0.54456

601660.69	4131708.47	0.52322
601680.69	4131708.47	0.48370
601700.69	4131708.47	0.44792
601280.69	4131718.47	11.89778
601370.69	4131718.47	2.82550
601390.69	4131718.47	2.31886

601670.69	4131708.47	0.50296
601690.69	4131708.47	0.46538
601710.69	4131708.47	0.43127
601290.69	4131718.47	9.40787
601380.69	4131718.47	2.55170
601400.69	4131718.47	2.11938

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc   ***   11/17/24
*** AERMET - VERSION 18081 ***   ***   ***   ***   19:36:26
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*** MODELOPTS:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE1   ***
      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   ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

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X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
601430.69	4131718.47	1.66494	601440.69	4131718.47	1.54973
601450.69	4131718.47	1.44695	601460.69	4131718.47	1.35505
601470.69	4131718.47	1.27205	601480.69	4131718.47	1.19696
601490.69	4131718.47	1.12888	601500.69	4131718.47	1.06690
601550.69	4131718.47	0.82509	601560.69	4131718.47	0.78695
601570.69	4131718.47	0.75139	601580.69	4131718.47	0.71815
601590.69	4131718.47	0.68699	601600.69	4131718.47	0.65772
601610.69	4131718.47	0.63016	601620.69	4131718.47	0.60418
601630.69	4131718.47	0.57962	601640.69	4131718.47	0.55638
601650.69	4131718.47	0.53434	601660.69	4131718.47	0.51343
601670.69	4131718.47	0.49355	601680.69	4131718.47	0.47464
601690.69	4131718.47	0.45663	601700.69	4131718.47	0.43946
601710.69	4131718.47	0.42307	601290.69	4131728.47	8.19998
601300.69	4131728.47	6.78158	601380.69	4131728.47	2.41535
601390.69	4131728.47	2.20314	601400.69	4131728.47	2.02032
601410.69	4131728.47	1.86153	601440.69	4131728.47	1.49287
601450.69	4131728.47	1.39684	601460.69	4131728.47	1.31068
601470.69	4131728.47	1.23258	601480.69	4131728.47	1.16168
601490.69	4131728.47	1.09722	601500.69	4131728.47	1.03837
601540.69	4131728.47	0.84648	601550.69	4131728.47	0.80702
601560.69	4131728.47	0.77024	601570.69	4131728.47	0.73586
601580.69	4131728.47	0.70366	601590.69	4131728.47	0.67341
601600.69	4131728.47	0.64494	601610.69	4131728.47	0.61809
601620.69	4131728.47	0.59272	601630.69	4131728.47	0.56871
601640.69	4131728.47	0.54595	601650.69	4131728.47	0.52435
601660.69	4131728.47	0.50382	601670.69	4131728.47	0.48429
601680.69	4131728.47	0.46569	601690.69	4131728.47	0.44796
601700.69	4131728.47	0.43105	601710.69	4131728.47	0.41490
601300.69	4131738.47	6.05777	601310.69	4131738.47	5.17132
601380.69	4131738.47	2.28983	601390.69	4131738.47	2.09635
601400.69	4131738.47	1.92899	601410.69	4131738.47	1.78268
601420.69	4131738.47	1.65409	601450.69	4131738.47	1.35032
601460.69	4131738.47	1.26942	601470.69	4131738.47	1.19586
601480.69	4131738.47	1.12885	601490.69	4131738.47	1.06774

601540.69	4131738.47	0.82805
601560.69	4131738.47	0.75445
601580.69	4131738.47	0.68987
601600.69	4131738.47	0.63268
601620.69	4131738.47	0.58164
601640.69	4131738.47	0.53585

601550.69	4131738.47	0.79000
601570.69	4131738.47	0.72114
601590.69	4131738.47	0.66044
601610.69	4131738.47	0.60645
601630.69	4131738.47	0.55814
601650.69	4131738.47	0.51463

*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
 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 ,

*** 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
601660.69	4131738.47	0.49444	601670.69	4131738.47	0.47521
601680.69	4131738.47	0.45689	601690.69	4131738.47	0.43941
601700.69	4131738.47	0.42273	601710.69	4131738.47	0.40681
601240.69	4131748.47	10.44854	601310.69	4131748.47	4.69466
601320.69	4131748.47	4.09951	601330.69	4131748.47	3.61633
601400.69	4131748.47	1.84618	601410.69	4131748.47	1.71132
601420.69	4131748.47	1.59215	601430.69	4131748.47	1.48630
601470.69	4131748.47	1.16201	601480.69	4131748.47	1.09857
601490.69	4131748.47	1.04052	601530.69	4131748.47	0.85021
601540.69	4131748.47	0.81083	601550.69	4131748.47	0.77405
601560.69	4131748.47	0.73959	601570.69	4131748.47	0.70723
601580.69	4131748.47	0.67678	601590.69	4131748.47	0.64806
601600.69	4131748.47	0.62092	601610.69	4131748.47	0.59524
601620.69	4131748.47	0.57101	601630.69	4131748.47	0.54803
601640.69	4131748.47	0.52620	601650.69	4131748.47	0.50533
601660.69	4131748.47	0.48543	601670.69	4131748.47	0.46646
601680.69	4131748.47	0.44837	601690.69	4131748.47	0.43111
601700.69	4131748.47	0.41464	601710.69	4131748.47	0.39890
601220.69	4131758.47	10.30423	601230.69	4131758.47	14.41845
601240.69	4131758.47	12.07217	601250.69	4131758.47	12.05094
601320.69	4131758.47	3.77398	601330.69	4131758.47	3.35665
601340.69	4131758.47	3.00942	601400.69	4131758.47	1.77010
601410.69	4131758.47	1.64579	601420.69	4131758.47	1.53530
601430.69	4131758.47	1.43672	601440.69	4131758.47	1.34847
601480.69	4131758.47	1.07086	601530.69	4131758.47	0.83290
601540.69	4131758.47	0.79481	601550.69	4131758.47	0.75913
601560.69	4131758.47	0.72562	601570.69	4131758.47	0.69408
601580.69	4131758.47	0.66434	601590.69	4131758.47	0.63623
601600.69	4131758.47	0.60963	601610.69	4131758.47	0.58441
601620.69	4131758.47	0.56065	601630.69	4131758.47	0.53817
601640.69	4131758.47	0.51670	601650.69	4131758.47	0.49613
601660.69	4131758.47	0.47647	601670.69	4131758.47	0.45773
601680.69	4131758.47	0.43986	601690.69	4131758.47	0.42279
601220.69	4131768.47	10.91193	601230.69	4131768.47	13.45821

601240.69	4131768.47	12.70640
601260.69	4131768.47	8.37237
601390.69	4131768.47	1.82952
601410.69	4131768.47	1.58618
601430.69	4131768.47	1.39163
601450.69	4131768.47	1.23371

601250.69	4131768.47	10.19888
601340.69	4131768.47	2.82116
601400.69	4131768.47	1.70089
601420.69	4131768.47	1.48359
601440.69	4131768.47	1.30876
601460.69	4131768.47	1.16541

*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
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 ,

*** 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
601540.69	4131768.47	0.77991	601550.69	4131768.47	0.74517
601560.69	4131768.47	0.71247	601570.69	4131768.47	0.68167
601580.69	4131768.47	0.65256	601590.69	4131768.47	0.62496
601600.69	4131768.47	0.59880	601610.69	4131768.47	0.57396
601620.69	4131768.47	0.55061	601630.69	4131768.47	0.52843
601640.69	4131768.47	0.50730	601650.69	4131768.47	0.48696
601660.69	4131768.47	0.46752	601670.69	4131768.47	0.44898
601680.69	4131768.47	0.43129	601690.69	4131768.47	0.41440
601220.69	4131778.47	12.94572	601230.69	4131778.47	13.32167
601240.69	4131778.47	10.69285	601250.69	4131778.47	8.76132
601260.69	4131778.47	7.31880	601270.69	4131778.47	6.21032
601340.69	4131778.47	2.65053	601400.69	4131778.47	1.63796
601410.69	4131778.47	1.53173	601420.69	4131778.47	1.43631
601430.69	4131778.47	1.35037	601440.69	4131778.47	1.27255
601450.69	4131778.47	1.20175	601460.69	4131778.47	1.13705
601500.69	4131778.47	0.92523	601510.69	4131778.47	0.88141
601550.69	4131778.47	0.73208	601560.69	4131778.47	0.70019
601570.69	4131778.47	0.67009	601580.69	4131778.47	0.64158
601590.69	4131778.47	0.61441	601600.69	4131778.47	0.58859
601610.69	4131778.47	0.56405	601620.69	4131778.47	0.54084
601630.69	4131778.47	0.51881	601640.69	4131778.47	0.49779
601650.69	4131778.47	0.47763	601660.69	4131778.47	0.45838
601670.69	4131778.47	0.44003	601680.69	4131778.47	0.42251
601690.69	4131778.47	0.40580	601210.69	4131788.47	10.12662
601220.69	4131788.47	13.98512	601230.69	4131788.47	11.18114
601240.69	4131788.47	9.14302	601250.69	4131788.47	7.62295
601260.69	4131788.47	6.46201	601270.69	4131788.47	5.55176
601280.69	4131788.47	4.82584	601290.69	4131788.47	4.23893
601340.69	4131788.47	2.49962	601350.69	4131788.47	2.29214
601410.69	4131788.47	1.48318	601420.69	4131788.47	1.39418
601430.69	4131788.47	1.31360	601440.69	4131788.47	1.24027
601450.69	4131788.47	1.17325	601460.69	4131788.47	1.11171
601500.69	4131788.47	0.90818	601510.69	4131788.47	0.86567
601520.69	4131788.47	0.82580	601530.69	4131788.47	0.78833

601570.69	4131788.47	0.65898
601590.69	4131788.47	0.60410
601610.69	4131788.47	0.55423
601630.69	4131788.47	0.50921
601650.69	4131788.47	0.46828
601670.69	4131788.47	0.43101

601580.69	4131788.47	0.63092
601600.69	4131788.47	0.57854
601620.69	4131788.47	0.53116
601640.69	4131788.47	0.48827
601660.69	4131788.47	0.44920
601680.69	4131788.47	0.41366

601600.69	4131808.47	0.55826
601620.69	4131808.47	0.51145
601640.69	4131808.47	0.46901
601660.69	4131808.47	0.43051
601680.69	4131808.47	0.39558
601190.69	4131818.47	12.44117

601610.69	4131808.47	0.53428
601630.69	4131808.47	0.48971
601650.69	4131808.47	0.44929
601670.69	4131808.47	0.41262
601180.69	4131818.47	14.50869
601200.69	4131818.47	12.74622

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*** AERMOD - VERSION 23132 ***      *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc      ***      11/17/24
*** AERMET - VERSION 18081 ***      ***      ***      ***      19:36:26
*** MODELOPTS:      NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*      ***      PAGE 146

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
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      ,

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*** 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
601210.69	4131818.47	10.33276	601220.69	4131818.47	8.53460
601230.69	4131818.47	7.19835	601240.69	4131818.47	6.16739
601250.69	4131818.47	5.35138	601260.69	4131818.47	4.68991
601270.69	4131818.47	4.14804	601280.69	4131818.47	3.70151
601290.69	4131818.47	3.33185	601300.69	4131818.47	3.02112
601310.69	4131818.47	2.75706	601320.69	4131818.47	2.52645
601330.69	4131818.47	2.32627	601340.69	4131818.47	2.15178
601350.69	4131818.47	2.00072	601360.69	4131818.47	1.86683
601370.69	4131818.47	1.74742	601380.69	4131818.47	1.63919
601460.69	4131818.47	1.05186	601470.69	4131818.47	1.00077
601480.69	4131818.47	0.95288	601490.69	4131818.47	0.90788
601500.69	4131818.47	0.86548	601510.69	4131818.47	0.82546
601520.69	4131818.47	0.78762	601530.69	4131818.47	0.75207
601540.69	4131818.47	0.71850	601550.69	4131818.47	0.68652
601590.69	4131818.47	0.57299	601600.69	4131818.47	0.54790
601610.69	4131818.47	0.52403	601620.69	4131818.47	0.50132
601630.69	4131818.47	0.47970	601640.69	4131818.47	0.45913
601650.69	4131818.47	0.43954	601660.69	4131818.47	0.42091
601670.69	4131818.47	0.40317	601680.69	4131818.47	0.38629
601170.69	4131828.47	10.75456	601180.69	4131828.47	13.60183
601190.69	4131828.47	13.36417	601200.69	4131828.47	10.75031
601210.69	4131828.47	8.86177	601220.69	4131828.47	7.44734
601230.69	4131828.47	6.36913	601240.69	4131828.47	5.52311
601250.69	4131828.47	4.84317	601260.69	4131828.47	4.28440
601270.69	4131828.47	3.82235	601280.69	4131828.47	3.43715
601290.69	4131828.47	3.11594	601300.69	4131828.47	2.84358
601310.69	4131828.47	2.61018	601320.69	4131828.47	2.40530
601330.69	4131828.47	2.22563	601340.69	4131828.47	2.06814
601350.69	4131828.47	1.93032	601360.69	4131828.47	1.80757
601370.69	4131828.47	1.69720	601380.69	4131828.47	1.59657
601390.69	4131828.47	1.50475	601460.69	4131828.47	1.03649
601470.69	4131828.47	0.98653	601480.69	4131828.47	0.93959
601490.69	4131828.47	0.89533	601500.69	4131828.47	0.85344
601510.69	4131828.47	0.81380	601520.69	4131828.47	0.77625

601530.69	4131828.47	0.74102
601550.69	4131828.47	0.67586
601600.69	4131828.47	0.53734
601620.69	4131828.47	0.49095
601640.69	4131828.47	0.44899
601660.69	4131828.47	0.41107

601540.69	4131828.47	0.70762
601590.69	4131828.47	0.56234
601610.69	4131828.47	0.51356
601630.69	4131828.47	0.46944
601650.69	4131828.47	0.42955
601670.69	4131828.47	0.39349

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc   ***   11/17/24
*** AERMET - VERSION 18081 ***   ***   ***   ***   ***   19:36:26
***   ***   ***   ***   ***   ***   ***   ***   ***   19:36:26
***   ***   ***   ***   ***   ***   ***   ***   ***   PAGE 147

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*** MODELOPTS:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE1   ***
      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   ,

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*** 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
601680.69	4131828.47	0.37679	601160.69	4131838.47	15.04469
601170.69	4131838.47	13.16132	601180.69	4131838.47	13.89748
601190.69	4131838.47	11.20838	601200.69	4131838.47	9.20396
601210.69	4131838.47	7.71575	601220.69	4131838.47	6.57855
601230.69	4131838.47	5.69468	601240.69	4131838.47	4.98977
601250.69	4131838.47	4.41749	601260.69	4131838.47	3.94557
601270.69	4131838.47	3.55161	601280.69	4131838.47	3.21971
601290.69	4131838.47	2.93787	601300.69	4131838.47	2.69686
601310.69	4131838.47	2.48778	601320.69	4131838.47	2.30451
601330.69	4131838.47	2.14333	601340.69	4131838.47	2.00046
601350.69	4131838.47	1.87331	601360.69	4131838.47	1.75912
601370.69	4131838.47	1.65590	601380.69	4131838.47	1.56140
601390.69	4131838.47	1.47472	601400.69	4131838.47	1.39508
601460.69	4131838.47	1.02290	601470.69	4131838.47	0.97395
601480.69	4131838.47	0.92778	601490.69	4131838.47	0.88411
601500.69	4131838.47	0.84253	601510.69	4131838.47	0.80305
601520.69	4131838.47	0.76559	601530.69	4131838.47	0.73022
601540.69	4131838.47	0.69671	601550.69	4131838.47	0.66482
601560.69	4131838.47	0.63430	601590.69	4131838.47	0.55141
601600.69	4131838.47	0.52647	601620.69	4131838.47	0.48026
601630.69	4131838.47	0.45888	601640.69	4131838.47	0.43857
601650.69	4131838.47	0.41928	601660.69	4131838.47	0.40096
601670.69	4131838.47	0.38357	601160.69	4131848.47	14.36818
601170.69	4131848.47	11.94868	601180.69	4131848.47	11.65619
601190.69	4131848.47	9.55301	601200.69	4131848.47	7.99393
601210.69	4131848.47	6.80509	601220.69	4131848.47	5.87963
601230.69	4131848.47	5.14657	601240.69	4131848.47	4.55389
601250.69	4131848.47	4.06813	601260.69	4131848.47	3.66600
601270.69	4131848.47	3.32849	601280.69	4131848.47	3.04061
601290.69	4131848.47	2.79186	601300.69	4131848.47	2.57597
601310.69	4131848.47	2.38747	601320.69	4131848.47	2.22255
601330.69	4131848.47	2.07631	601340.69	4131848.47	1.94576
601350.69	4131848.47	1.82757	601360.69	4131848.47	1.72028
601370.69	4131848.47	1.62277	601380.69	4131848.47	1.53318

601390.69	4131848.47	1.45057
601410.69	4131848.47	1.30324
601450.69	4131848.47	1.06236
601470.69	4131848.47	0.96236
601490.69	4131848.47	0.87333
601510.69	4131848.47	0.79234

601400.69	4131848.47	1.37419
601440.69	4131848.47	1.11706
601460.69	4131848.47	1.01075
601480.69	4131848.47	0.91674
601500.69	4131848.47	0.83183
601520.69	4131848.47	0.75483

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
 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 ,

*** 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
601530.69	4131848.47	0.71928	601540.69	4131848.47	0.68555
601550.69	4131848.47	0.65345	601590.69	4131848.47	0.54008
601600.69	4131848.47	0.51521	601610.69	4131848.47	0.49160
601620.69	4131848.47	0.46920	601630.69	4131848.47	0.44796
601640.69	4131848.47	0.42780	601650.69	4131848.47	0.40869
601660.69	4131848.47	0.39057	601670.69	4131848.47	0.37339
601170.69	4131858.47	12.10116	601180.69	4131858.47	9.89583
601190.69	4131858.47	8.27145	601200.69	4131858.47	7.03501
601210.69	4131858.47	6.07361	601220.69	4131858.47	5.31355
601230.69	4131858.47	4.70149	601240.69	4131858.47	4.20137
601250.69	4131858.47	3.78605	601260.69	4131858.47	3.44046
601270.69	4131858.47	3.14734	601280.69	4131858.47	2.89574
601290.69	4131858.47	2.67418	601300.69	4131858.47	2.47926
601310.69	4131858.47	2.30795	601320.69	4131858.47	2.15779
601330.69	4131858.47	2.02374	601340.69	4131858.47	1.90278
601350.69	4131858.47	1.79194	601360.69	4131858.47	1.69034
601370.69	4131858.47	1.59719	601380.69	4131858.47	1.51132
601390.69	4131858.47	1.43177	601400.69	4131858.47	1.35774
601440.69	4131858.47	1.10552	601450.69	4131858.47	1.05121
601460.69	4131858.47	0.99982	601470.69	4131858.47	0.95165
601480.69	4131858.47	0.90602	601490.69	4131858.47	0.86266
601500.69	4131858.47	0.82102	601510.69	4131858.47	0.78136
601520.69	4131858.47	0.74369	601530.69	4131858.47	0.70791
601540.69	4131858.47	0.67393	601550.69	4131858.47	0.64166
601580.69	4131858.47	0.55440	601590.69	4131858.47	0.52825
601600.69	4131858.47	0.50346	601610.69	4131858.47	0.47997
601620.69	4131858.47	0.45772	601630.69	4131858.47	0.43664
601640.69	4131858.47	0.41668	601650.69	4131858.47	0.39780
601660.69	4131858.47	0.37990	601140.69	4131868.47	10.14612
601150.69	4131868.47	12.63176	601160.69	4131868.47	12.59134
601190.69	4131868.47	7.25963	601200.69	4131868.47	6.26700
601210.69	4131868.47	5.48331	601220.69	4131868.47	4.85461
601230.69	4131868.47	4.34395	601240.69	4131868.47	3.92118
601250.69	4131868.47	3.56565	601260.69	4131868.47	3.26359

601290.69	4131868.47	2.58086
601310.69	4131868.47	2.24947
601330.69	4131868.47	1.98423
601350.69	4131868.47	1.76483
601370.69	4131868.47	1.57831
601390.69	4131868.47	1.41771

601300.69	4131868.47	2.40555
601320.69	4131868.47	2.11003
601340.69	4131868.47	1.86999
601360.69	4131868.47	1.66786
601380.69	4131868.47	1.49520
601430.69	4131868.47	1.15344

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
 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 ,

*** 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
601440.69	4131868.47	1.09613	601450.69	4131868.47	1.04174
601460.69	4131868.47	0.99015	601470.69	4131868.47	0.94147
601480.69	4131868.47	0.89536	601490.69	4131868.47	0.85147
601500.69	4131868.47	0.80949	601510.69	4131868.47	0.76958
601520.69	4131868.47	0.73168	601530.69	4131868.47	0.69571
601540.69	4131868.47	0.66158	601580.69	4131868.47	0.54192
601590.69	4131868.47	0.51585	601600.69	4131868.47	0.49118
601610.69	4131868.47	0.46784	601620.69	4131868.47	0.44576
601630.69	4131868.47	0.42489	601640.69	4131868.47	0.40516
601650.69	4131868.47	0.38658	601660.69	4131868.47	0.36904
601150.69	4131878.47	13.11595	601160.69	4131878.47	10.64356
601200.69	4131878.47	5.66648	601210.69	4131878.47	5.02122
601220.69	4131878.47	4.49580	601230.69	4131878.47	4.06470
601240.69	4131878.47	3.70425	601250.69	4131878.47	3.39645
601300.69	4131878.47	2.35212	601310.69	4131878.47	2.20816
601320.69	4131878.47	2.07696	601330.69	4131878.47	1.95714
601340.69	4131878.47	1.84769	601350.69	4131878.47	1.74655
601360.69	4131878.47	1.65278	601370.69	4131878.47	1.56558
601380.69	4131878.47	1.48413	601430.69	4131878.47	1.14511
601440.69	4131878.47	1.08750	601450.69	4131878.47	1.03265
601460.69	4131878.47	0.98055	601470.69	4131878.47	0.93118
601480.69	4131878.47	0.88433	601490.69	4131878.47	0.83976
601500.69	4131878.47	0.79739	601510.69	4131878.47	0.75713
601520.69	4131878.47	0.71894	601530.69	4131878.47	0.68274
601570.69	4131878.47	0.55622	601580.69	4131878.47	0.52876
601590.69	4131878.47	0.50281	601600.69	4131878.47	0.47830
601610.69	4131878.47	0.45517	601620.69	4131878.47	0.43333
601630.69	4131878.47	0.41272	601640.69	4131878.47	0.39327
601650.69	4131878.47	0.37506	601660.69	4131878.47	0.35787
601160.69	4131888.47	9.16299	601170.69	4131888.47	7.76662
601180.69	4131888.47	6.70209	601210.69	4131888.47	4.67153
601220.69	4131888.47	4.22624	601230.69	4131888.47	3.85708
601240.69	4131888.47	3.54338	601300.69	4131888.47	2.31752
601310.69	4131888.47	2.18201	601320.69	4131888.47	2.05685

601330.69	4131888.47	1.94138
601350.69	4131888.47	1.73619
601370.69	4131888.47	1.55850
601420.69	4131888.47	1.19815
601440.69	4131888.47	1.07901
601460.69	4131888.47	0.97048

601340.69	4131888.47	1.83490
601360.69	4131888.47	1.64441
601380.69	4131888.47	1.47765
601430.69	4131888.47	1.13741
601450.69	4131888.47	1.02336
601470.69	4131888.47	0.92024

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: SLINE1 ***
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   ,

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*** 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	X-COORD (M)	Y-COORD (M)	CONC
601480.69	4131888.47	0.87255	601490.69	4131888.47	0.82730			
601500.69	4131888.47	0.78439	601510.69	4131888.47	0.74373			
601520.69	4131888.47	0.70523	601560.69	4131888.47	0.57116			
601570.69	4131888.47	0.54218	601580.69	4131888.47	0.51486			
601590.69	4131888.47	0.48909	601600.69	4131888.47	0.46482			
601610.69	4131888.47	0.44194	601620.69	4131888.47	0.42043			
601630.69	4131888.47	0.40014	601170.69	4131898.47	6.96082			
601180.69	4131898.47	6.11165	601190.69	4131898.47	5.43583			
601220.69	4131898.47	4.04038	601230.69	4131898.47	3.71419			
601310.69	4131898.47	2.16882	601320.69	4131898.47	2.04750			
601330.69	4131898.47	1.93493	601340.69	4131898.47	1.83038			
601350.69	4131898.47	1.73337	601360.69	4131898.47	1.64255			
601370.69	4131898.47	1.55703	601410.69	4131898.47	1.25684			
601420.69	4131898.47	1.19152	601430.69	4131898.47	1.12928			
601440.69	4131898.47	1.06967	601450.69	4131898.47	1.01296			
601460.69	4131898.47	0.95910	601470.69	4131898.47	0.90799			
601480.69	4131898.47	0.85954	601490.69	4131898.47	0.81364			
601500.69	4131898.47	0.77021	601510.69	4131898.47	0.72915			
601560.69	4131898.47	0.55611	601570.69	4131898.47	0.52729			
601580.69	4131898.47	0.50018	601590.69	4131898.47	0.47468			
601600.69	4131898.47	0.45071	601610.69	4131898.47	0.42818			
601620.69	4131898.47	0.40708	601630.69	4131898.47	0.38727			
601180.69	4131908.47	5.69672	601190.69	4131908.47	5.13511			
601200.69	4131908.47	4.66410	601220.69	4131908.47	3.92330			
601230.69	4131908.47	3.62819	601320.69	4131908.47	2.04913			
601330.69	4131908.47	1.93756	601340.69	4131908.47	1.83328			
601350.69	4131908.47	1.73633	601360.69	4131908.47	1.64538			
601400.69	4131908.47	1.32297	601410.69	4131908.47	1.25206			
601420.69	4131908.47	1.18470	601430.69	4131908.47	1.12054			
601440.69	4131908.47	1.05949	601450.69	4131908.47	1.00148			
601460.69	4131908.47	0.94647	601470.69	4131908.47	0.89437			
601480.69	4131908.47	0.84509	601490.69	4131908.47	0.79853			
601500.69	4131908.47	0.75459	601510.69	4131908.47	0.71317			
601560.69	4131908.47	0.54009	601570.69	4131908.47	0.51153			

601580.69	4131908.47	0.48473
601600.69	4131908.47	0.43601
601620.69	4131908.47	0.39333
601190.69	4131918.47	4.95358
601330.69	4131918.47	1.94834
601350.69	4131918.47	1.74459

601590.69	4131908.47	0.45959
601610.69	4131908.47	0.41391
601630.69	4131908.47	0.37404
601200.69	4131918.47	4.53814
601340.69	4131918.47	1.84292
601390.69	4131918.47	1.39722

601420.69	4131948.47	1.13931
601440.69	4131948.47	0.99786
601460.69	4131948.47	0.87419
601480.69	4131948.47	0.76767
601500.69	4131948.47	0.67533
601520.69	4131948.47	0.59539

601430.69	4131948.47	1.06624
601450.69	4131948.47	0.93385
601470.69	4131948.47	0.81895
601490.69	4131948.47	0.71992
601510.69	4131948.47	0.63385
601530.69	4131948.47	0.55975

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*** AERMOD - VERSION 23132 ***   *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc   ***   11/17/24
*** AERMET - VERSION 18081 ***   ***   ***   ***   ***   19:36:26
*** MODELOPTS:   NonDEFAULT   CONC   FLAT and   ELEV   FLGPOL   URBAN   ADJ_U*   ***   PAGE 152

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE1   ***
      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   ,

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*** 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	X-COORD (M)	Y-COORD (M)	CONC
601540.69	4131948.47	0.52673	601550.69	4131948.47	0.49612			
601560.69	4131948.47	0.46775	601600.69	4131948.47	0.37338			
601610.69	4131948.47	0.35384	601360.69	4131958.47	1.68816			
601370.69	4131958.47	1.57899	601380.69	4131958.47	1.47566			
601390.69	4131958.47	1.37813	601400.69	4131958.47	1.28632			
601410.69	4131958.47	1.20015	601420.69	4131958.47	1.11951			
601430.69	4131958.47	1.04424	601440.69	4131958.47	0.97437			
601450.69	4131958.47	0.90950	601460.69	4131958.47	0.84930			
601470.69	4131958.47	0.79364	601480.69	4131958.47	0.74211			
601490.69	4131958.47	0.69447	601500.69	4131958.47	0.65029			
601510.69	4131958.47	0.60942	601520.69	4131958.47	0.57169			
601530.69	4131958.47	0.53687	601540.69	4131958.47	0.50472			
601550.69	4131958.47	0.47503	601560.69	4131958.47	0.44759			
601570.69	4131958.47	0.42222	601360.69	4131968.47	1.69245			
601370.69	4131968.47	1.57608	601380.69	4131968.47	1.46652			
601390.69	4131968.47	1.36372	601400.69	4131968.47	1.26760			
601410.69	4131968.47	1.17802	601420.69	4131968.47	1.09478			
601430.69	4131968.47	1.01763	601440.69	4131968.47	0.94675			
601450.69	4131968.47	0.88133	601460.69	4131968.47	0.82108			
601470.69	4131968.47	0.76536	601480.69	4131968.47	0.71401			
601490.69	4131968.47	0.66685	601500.69	4131968.47	0.62343			
601510.69	4131968.47	0.58348	601520.69	4131968.47	0.54677			
601530.69	4131968.47	0.51301	601540.69	4131968.47	0.48195			
601550.69	4131968.47	0.45336	601560.69	4131968.47	0.42702			
601570.69	4131968.47	0.40273	601580.69	4131968.47	0.38031			
601590.69	4131968.47	0.35959	601390.69	4131978.47	1.34284			
601400.69	4131978.47	1.24271	601410.69	4131978.47	1.15005			
601420.69	4131978.47	1.06466	601430.69	4131978.47	0.98617			
601440.69	4131978.47	0.91466	601450.69	4131978.47	0.84928			
601460.69	4131978.47	0.78932	601470.69	4131978.47	0.73414			
601480.69	4131978.47	0.68354	601490.69	4131978.47	0.63728			
601500.69	4131978.47	0.59498	601510.69	4131978.47	0.55629			
601520.69	4131978.47	0.52086	601530.69	4131978.47	0.48841			
601540.69	4131978.47	0.45865	601550.69	4131978.47	0.43134			

601560.69	4131978.47	0.40624
601580.69	4131978.47	0.36187
601400.69	4131988.47	1.21114
601420.69	4131988.47	1.02928
601440.69	4131988.47	0.87846
601460.69	4131988.47	0.75409

601570.69	4131978.47	0.38315
601390.69	4131988.47	1.31460
601410.69	4131988.47	1.11613
601430.69	4131988.47	0.95013
601450.69	4131988.47	0.81332
601470.69	4131988.47	0.70003

601500.69	4132028.47	0.44283
601520.69	4132028.47	0.38879
601300.69	4132038.47	2.97011
601320.69	4132038.47	2.31892
601340.69	4132038.47	1.81127
601430.69	4132038.47	0.70408

601510.69	4132028.47	0.41445
601530.69	4132028.47	0.36567
601310.69	4132038.47	2.62618
601330.69	4132038.47	2.04799
601420.69	4132038.47	0.76992
601440.69	4132038.47	0.64628

601390.69	4132108.47	0.52063
601410.69	4132108.47	0.44849

601400.69	4132108.47	0.48213
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*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 18081 ***

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*** 11/17/24
*** 19:36:26
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*** MODELOPTs: NonDEFAULT CONC FLAT and 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
HAULPM2.	1ST HIGHEST VALUE IS	18.19311 AT (	601160.69, 4131838.47, 33.93, 33.93,	1.50)	DC
	2ND HIGHEST VALUE IS	17.51877 AT (	601230.69, 4131758.47, 34.44, 34.44,	1.50)	DC
	3RD HIGHEST VALUE IS	17.37532 AT (	601180.69, 4131818.47, 34.01, 34.01,	1.50)	DC
	4TH HIGHEST VALUE IS	17.24457 AT (	601160.69, 4131848.47, 34.03, 34.03,	1.50)	DC
	5TH HIGHEST VALUE IS	16.65177 AT (	601220.69, 4131788.47, 34.42, 34.42,	1.50)	DC
	6TH HIGHEST VALUE IS	16.36768 AT (	601200.69, 4131798.47, 34.21, 34.21,	1.50)	DC
	7TH HIGHEST VALUE IS	16.36398 AT (	601180.69, 4131838.47, 33.99, 33.99,	1.50)	DC
	8TH HIGHEST VALUE IS	16.18785 AT (	601230.69, 4131768.47, 34.44, 34.44,	1.50)	DC
	9TH HIGHEST VALUE IS	16.10086 AT (	601180.69, 4131828.47, 34.01, 34.01,	1.50)	DC
	10TH HIGHEST VALUE IS	15.71255 AT (	601230.69, 4131778.47, 34.41, 34.41,	1.50)	DC
ONSITEPM	1ST HIGHEST VALUE IS	87.52498 AT (	601320.69, 4131748.47, 33.80, 33.80,	1.50)	DC
	2ND HIGHEST VALUE IS	87.46865 AT (	601310.69, 4131738.47, 33.86, 33.86,	1.50)	DC
	3RD HIGHEST VALUE IS	85.56228 AT (	601310.69, 4131748.47, 33.86, 33.86,	1.50)	DC
	4TH HIGHEST VALUE IS	85.24917 AT (	601300.69, 4131738.47, 33.96, 33.96,	1.50)	DC
	5TH HIGHEST VALUE IS	85.06465 AT (	601330.69, 4131758.47, 33.70, 33.70,	1.50)	DC
	6TH HIGHEST VALUE IS	84.56123 AT (	601300.69, 4131728.47, 34.04, 34.04,	1.50)	DC
	7TH HIGHEST VALUE IS	83.77932 AT (	601320.69, 4131758.47, 33.78, 33.78,	1.50)	DC
	8TH HIGHEST VALUE IS	82.87643 AT (	601330.69, 4131748.47, 33.76, 33.76,	1.50)	DC
	9TH HIGHEST VALUE IS	82.29425 AT (	601290.69, 4131728.47, 34.14, 34.14,	1.50)	DC
	10TH HIGHEST VALUE IS	78.79469 AT (	601290.69, 4131718.47, 34.24, 34.24,	1.50)	DC
PAREA1	1ST HIGHEST VALUE IS	51.96556 AT (	601310.69, 4131738.47, 33.86, 33.86,	1.50)	DC
	2ND HIGHEST VALUE IS	51.80885 AT (	601310.69, 4131748.47, 33.86, 33.86,	1.50)	DC
	3RD HIGHEST VALUE IS	51.76281 AT (	601300.69, 4131738.47, 33.96, 33.96,	1.50)	DC
	4TH HIGHEST VALUE IS	51.27850 AT (	601320.69, 4131748.47, 33.80, 33.80,	1.50)	DC
	5TH HIGHEST VALUE IS	51.10573 AT (	601300.69, 4131728.47, 34.04, 34.04,	1.50)	DC
	6TH HIGHEST VALUE IS	51.05987 AT (	601330.69, 4131748.47, 33.76, 33.76,	1.50)	DC
	7TH HIGHEST VALUE IS	50.23542 AT (	601320.69, 4131758.47, 33.78, 33.78,	1.50)	DC
	8TH HIGHEST VALUE IS	50.16988 AT (	601290.69, 4131728.47, 34.14, 34.14,	1.50)	DC
	9TH HIGHEST VALUE IS	48.41479 AT (	601330.69, 4131758.47, 33.70, 33.70,	1.50)	DC
	10TH HIGHEST VALUE IS	48.12652 AT (	601290.69, 4131718.47, 34.24, 34.24,	1.50)	DC
SLINE1	1ST HIGHEST VALUE IS	15.04469 AT (	601160.69, 4131838.47, 33.93, 33.93,	1.50)	DC
	2ND HIGHEST VALUE IS	14.50869 AT (	601180.69, 4131818.47, 34.01, 34.01,	1.50)	DC
	3RD HIGHEST VALUE IS	14.41845 AT (	601230.69, 4131758.47, 34.44, 34.44,	1.50)	DC
	4TH HIGHEST VALUE IS	14.36818 AT (	601160.69, 4131848.47, 34.03, 34.03,	1.50)	DC

5TH HIGHEST VALUE IS	13.98512	AT (	601220.69,	4131788.47,	34.42,	34.42,	1.50)	DC
6TH HIGHEST VALUE IS	13.89748	AT (	601180.69,	4131838.47,	33.99,	33.99,	1.50)	DC
7TH HIGHEST VALUE IS	13.79322	AT (	601200.69,	4131798.47,	34.21,	34.21,	1.50)	DC
8TH HIGHEST VALUE IS	13.60183	AT (	601180.69,	4131828.47,	34.01,	34.01,	1.50)	DC
9TH HIGHEST VALUE IS	13.45821	AT (	601230.69,	4131768.47,	34.44,	34.44,	1.50)	DC
10TH HIGHEST VALUE IS	13.36417	AT (	601190.69,	4131828.47,	34.10,	34.10,	1.50)	DC

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

*** AERMOD - VERSION 23132 *** *** C:\Users\jvang\Desktop\Modeling\HRA\PANC-01\PANC01\PANC01.isc ***
*** AERMET - VERSION 18081 *** *** ***

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*** MODELOPTs: NonDEFAULT CONC FLAT and 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 938 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 530 Calm Hours Identified

A Total of 408 Missing Hours Identified (0.93 Percent)

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

***** WARNING MESSAGES *****
ME W186 776 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 776 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

Student Receptors - Robert F. Kennedy ES & Rocketship Mosaic ES

*** AERMOD - VERSION 23132 *** *** Construction HRA Student Receptors *** 11/17/24
*** AERMET - VERSION 18081 *** *** 1170 and 1190 Roberts Avenue Residential Project *** 19:23:40
*** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U* *** PAGE 1

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Allows User-Specified 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.
- * Allow FLAT/ELEV Terrain Option by Source,
with 0 FLAT and 46 ELEV Source(s).
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 46 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 1936259.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: OTHER

**Model Calculates PERIOD Averages Only

**This Run Includes: 46 Source(s); 4 Source Group(s); and 4 Receptor(s)

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)

and: 44 VOLUME source(s)

and: 2 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: 18081

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 15.50 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

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

**Detailed Error/Message File: PANC01_Student.err
**File for Summary of Results: PANC01_Student.sum

*** AERMOD - VERSION 23132 *** *** Construction HRA Student Receptors
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*** MODELOPTs: NonDEFAULT CONC FLAT and 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	AIRCRAFT
L0000001	0	0.45455E-01	601272.3	4131679.2	34.5	4.15	13.02	3.26	YES	HRDOW	NO
L0000002	0	0.45455E-01	601254.6	4131700.9	34.5	4.15	13.02	3.26	YES	HRDOW	NO
L0000003	0	0.45455E-01	601237.0	4131722.7	34.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000004	0	0.45455E-01	601219.3	4131744.4	34.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000005	0	0.45455E-01	601201.7	4131766.2	34.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000006	0	0.45455E-01	601184.0	4131787.9	34.1	4.15	13.02	3.26	YES	HRDOW	NO
L0000007	0	0.45455E-01	601166.4	4131809.6	33.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000008	0	0.45455E-01	601148.7	4131831.4	33.7	4.15	13.02	3.26	YES	HRDOW	NO
L0000009	0	0.45455E-01	601131.1	4131853.1	33.8	4.15	13.02	3.26	YES	HRDOW	NO
L0000010	0	0.45455E-01	601113.4	4131874.9	33.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000011	0	0.45455E-01	601095.8	4131896.6	34.1	4.15	13.02	3.26	YES	HRDOW	NO
L0000012	0	0.45455E-01	601078.1	4131918.3	34.1	4.15	13.02	3.26	YES	HRDOW	NO
L0000013	0	0.45455E-01	601060.5	4131940.1	33.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000014	0	0.45455E-01	601046.9	4131961.5	33.7	4.15	13.02	3.26	YES	HRDOW	NO
L0000015	0	0.45455E-01	601067.9	4131979.9	33.5	4.15	13.02	3.26	YES	HRDOW	NO
L0000016	0	0.45455E-01	601089.0	4131998.4	33.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000017	0	0.45455E-01	601110.1	4132016.8	33.2	4.15	13.02	3.26	YES	HRDOW	NO
L0000018	0	0.45455E-01	601131.1	4132035.3	33.2	4.15	13.02	3.26	YES	HRDOW	NO
L0000019	0	0.45455E-01	601152.2	4132053.7	33.0	4.15	13.02	3.26	YES	HRDOW	NO
L0000020	0	0.45455E-01	601173.2	4132072.2	32.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000021	0	0.45455E-01	601194.3	4132090.7	32.7	4.15	13.02	3.26	YES	HRDOW	NO
L0000022	0	0.45455E-01	601215.3	4132109.1	32.6	4.15	13.02	3.26	YES	HRDOW	NO
L0000023	0	0.45455E-01	601272.3	4131679.2	34.5	0.00	13.02	3.26	YES	HRDOW	NO
L0000024	0	0.45455E-01	601254.6	4131700.9	34.5	0.00	13.02	3.26	YES	HRDOW	NO
L0000025	0	0.45455E-01	601237.0	4131722.7	34.4	0.00	13.02	3.26	YES	HRDOW	NO
L0000026	0	0.45455E-01	601219.3	4131744.4	34.4	0.00	13.02	3.26	YES	HRDOW	NO
L0000027	0	0.45455E-01	601201.7	4131766.2	34.4	0.00	13.02	3.26	YES	HRDOW	NO
L0000028	0	0.45455E-01	601184.0	4131787.9	34.1	0.00	13.02	3.26	YES	HRDOW	NO
L0000029	0	0.45455E-01	601166.4	4131809.6	33.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000030	0	0.45455E-01	601148.7	4131831.4	33.7	0.00	13.02	3.26	YES	HRDOW	NO
L0000031	0	0.45455E-01	601131.1	4131853.1	33.8	0.00	13.02	3.26	YES	HRDOW	NO
L0000032	0	0.45455E-01	601113.4	4131874.9	33.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000033	0	0.45455E-01	601095.8	4131896.6	34.1	0.00	13.02	3.26	YES	HRDOW	NO
L0000034	0	0.45455E-01	601078.1	4131918.3	34.1	0.00	13.02	3.26	YES	HRDOW	NO
L0000035	0	0.45455E-01	601060.5	4131940.1	33.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000036	0	0.45455E-01	601046.9	4131961.5	33.7	0.00	13.02	3.26	YES	HRDOW	NO
L0000037	0	0.45455E-01	601067.9	4131979.9	33.5	0.00	13.02	3.26	YES	HRDOW	NO
L0000038	0	0.45455E-01	601089.0	4131998.4	33.4	0.00	13.02	3.26	YES	HRDOW	NO

L0000039	0	0.45455E-01	601110.1	4132016.8	33.2	0.00	13.02	3.26	YES	HRDOW	NO
L0000040	0	0.45455E-01	601131.1	4132035.3	33.2	0.00	13.02	3.26	YES	HRDOW	NO

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE	AIRCRAFT
					ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE	SCALAR VARY BY	
L0000041	0	0.45455E-01	601152.2	4132053.7	33.0	0.00	13.02	3.26	YES	HRDOW	NO
L0000042	0	0.45455E-01	601173.2	4132072.2	32.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000043	0	0.45455E-01	601194.3	4132090.7	32.7	0.00	13.02	3.26	YES	HRDOW	NO
L0000044	0	0.45455E-01	601215.3	4132109.1	32.6	0.00	13.02	3.26	YES	HRDOW	NO

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*** 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	AIRCRAFT
PAREA1	0	0.11704E-03	601315.9	4131808.7	33.5	4.15	8	1.93	YES	HRDOW	NO
ONSITEPM2.5	0	0.11704E-03	601315.9	4131808.7	33.5	0.00	8	0.00	YES	HRDOW	NO

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs															
-----	-----															
HAULPM2.	L0000023	,	L0000024	,	L0000025	,	L0000026	,	L0000027	,	L0000028	,	L0000029	,	L0000030	,
	L0000031	,	L0000032	,	L0000033	,	L0000034	,	L0000035	,	L0000036	,	L0000037	,	L0000038	,
	L0000039	,	L0000040	,	L0000041	,	L0000042	,	L0000043	,	L0000044	,				
ONSITEPM	ONSITEPM2.5	,														
PAREA1	PAREA1	,														
SLINE1	L0000001	,	L0000002	,	L0000003	,	L0000004	,	L0000005	,	L0000006	,	L0000007	,	L0000008	,
	L0000009	,	L0000010	,	L0000011	,	L0000012	,	L0000013	,	L0000014	,	L0000015	,	L0000016	,
	L0000017	,	L0000018	,	L0000019	,	L0000020	,	L0000021	,	L0000022	,				

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

URBAN ID	URBAN POP	SOURCE IDs															
-----	-----	-----															
L0000008	1936259.	L0000001	,	L0000002	,	L0000003	,	L0000004	,	L0000005	,	L0000006	,	L0000007	,		
		L0000009	,	L0000010	,	L0000011	,	L0000012	,	L0000013	,	L0000014	,	L0000015	,	L0000016	,
		L0000017	,	L0000018	,	L0000019	,	L0000020	,	L0000021	,	L0000022	,	PAREA1	,	L0000023	,
		L0000024	,	L0000025	,	L0000026	,	L0000027	,	L0000028	,	L0000029	,	L0000030	,	L0000031	,
		L0000032	,	L0000033	,	L0000034	,	L0000035	,	L0000036	,	L0000037	,	L0000038	,	L0000039	,
		L0000040	,	L0000041	,	L0000042	,	L0000043	,	L0000044	,	ONSITEPM2.5	,				

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = ONSITEPM2.5 ; 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

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

(601681.3, 4131647.8,	33.5,	33.5,	1.5);	(601353.0, 4131985.8,	32.9,	32.9,	1.5);
(601361.8, 4131992.3,	32.9,	32.9,	1.5);	(601371.3, 4132000.2,	32.9,	32.9,	1.5);


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*** AERMOD - VERSION 23132 ***   *** Construction HRA Student Receptors   ***   11/17/24
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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM2. ***
INCLUDING SOURCE(S):   L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
L0000044 ,

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*** 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
601681.32	4131647.75	0.53529	601352.99	4131985.78	1.82131
601361.76	4131992.30	1.68888	601371.30	4132000.16	1.52687

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*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ONSITEPM ***
INCLUDING SOURCE(S): ONSITEPM2.5 ,

*** 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
601681.32	4131647.75	0.90918	601352.99	4131985.78	0.50662
601361.76	4131992.30	0.45015	601371.30	4132000.16	0.39684

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: PAREA1 ***
INCLUDING SOURCE(S): 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	
601681.32	4131647.75	1.05424	<-RF Kennedy ES	601352.99	4131985.78	0.56761	<Rocketship Mosaic ES
601361.76	4131992.30	0.50711		601371.30	4132000.16	0.44854	

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*** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR SOURCE GROUP: SLINE1   ***
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   ,

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*** 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	
601681.32	4131647.75	0.53341	←RF Kennedy ES	601352.99	4131985.78	1.78287	←Rocketship Mosaic ES
601361.76	4131992.30	1.65176		601371.30	4132000.16	1.49899	

*** AERMOD - VERSION 23132 *** *** Construction HRA Student Receptors
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*** MODELOPTs: NonDEFAULT CONC FLAT and 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
HAULPM2.	1ST HIGHEST VALUE IS		1.82131 AT (	601352.99,	4131985.78,	32.92,	32.92,	1.50)	DC
	2ND HIGHEST VALUE IS		1.68888 AT (	601361.76,	4131992.30,	32.92,	32.92,	1.50)	DC
	3RD HIGHEST VALUE IS		1.52687 AT (	601371.30,	4132000.16,	32.92,	32.92,	1.50)	DC
	4TH HIGHEST VALUE IS		0.53529 AT (	601681.32,	4131647.75,	33.51,	33.51,	1.50)	DC
	5TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	6TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	7TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	8TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	9TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	10TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
ONSITEPM	1ST HIGHEST VALUE IS		0.90918 AT (	601681.32,	4131647.75,	33.51,	33.51,	1.50)	DC
	2ND HIGHEST VALUE IS		0.50662 AT (	601352.99,	4131985.78,	32.92,	32.92,	1.50)	DC
	3RD HIGHEST VALUE IS		0.45015 AT (	601361.76,	4131992.30,	32.92,	32.92,	1.50)	DC
	4TH HIGHEST VALUE IS		0.39684 AT (	601371.30,	4132000.16,	32.92,	32.92,	1.50)	DC
	5TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	6TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	7TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	8TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	9TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	10TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
PAREA1	1ST HIGHEST VALUE IS		1.05424 AT (	601681.32,	4131647.75,	33.51,	33.51,	1.50)	DC
	2ND HIGHEST VALUE IS		0.56761 AT (	601352.99,	4131985.78,	32.92,	32.92,	1.50)	DC
	3RD HIGHEST VALUE IS		0.50711 AT (	601361.76,	4131992.30,	32.92,	32.92,	1.50)	DC
	4TH HIGHEST VALUE IS		0.44854 AT (	601371.30,	4132000.16,	32.92,	32.92,	1.50)	DC
	5TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	6TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	7TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	8TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	9TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
	10TH HIGHEST VALUE IS		0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)	
SLINE1	1ST HIGHEST VALUE IS		1.78287 AT (	601352.99,	4131985.78,	32.92,	32.92,	1.50)	DC
	2ND HIGHEST VALUE IS		1.65176 AT (	601361.76,	4131992.30,	32.92,	32.92,	1.50)	DC
	3RD HIGHEST VALUE IS		1.49899 AT (	601371.30,	4132000.16,	32.92,	32.92,	1.50)	DC
	4TH HIGHEST VALUE IS		0.53341 AT (	601681.32,	4131647.75,	33.51,	33.51,	1.50)	DC

5TH HIGHEST VALUE IS	0.00000	AT (	0.00,	0.00,	0.00,	0.00,	0.00)
6TH HIGHEST VALUE IS	0.00000	AT (	0.00,	0.00,	0.00,	0.00,	0.00)
7TH HIGHEST VALUE IS	0.00000	AT (	0.00,	0.00,	0.00,	0.00,	0.00)
8TH HIGHEST VALUE IS	0.00000	AT (	0.00,	0.00,	0.00,	0.00,	0.00)
9TH HIGHEST VALUE IS	0.00000	AT (	0.00,	0.00,	0.00,	0.00,	0.00)
10TH HIGHEST VALUE IS	0.00000	AT (	0.00,	0.00,	0.00,	0.00,	0.00)

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

*** AERMOD - VERSION 23132 *** *** Construction HRA Student Receptors
*** AERMET - VERSION 18081 *** *** 1170 and 1190 Roberts Avenue Residential Project

*** 11/17/24
*** 19:23:40
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*** MODELOPTs: NonDEFAULT CONC FLAT and 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 5 Warning Message(s)
A Total of 938 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 530 Calm Hours Identified

A Total of 408 Missing Hours Identified (0.93 Percent)

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

***** WARNING MESSAGES *****
ME W186 777 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 777 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W492 1 METEXT: SURFDATA YR .NE. 1st YR of file, adj to match file StartYR 2013
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 15010101
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 1 year gap

*** AERMOD Finishes Successfully ***

Worker Receptors

*** AERMOD - VERSION 23132 *** *** Construction HRA Worker Receptors *** 11/17/24
*** AERMET - VERSION 18081 *** *** 1170 and 1190 Roberts Avenue Residential Project *** 19:29:44
*** MODELLOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U* *** PAGE 1

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Allows User-Specified 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.
- * Allow FLAT/ELEV Terrain Option by Source,
with 0 FLAT and 46 ELEV Source(s).
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 46 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 1936259.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: OTHER

**Model Calculates PERIOD Averages Only

**This Run Includes: 46 Source(s); 4 Source Group(s); and 59 Receptor(s)

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)

and: 44 VOLUME source(s)

and: 2 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: 18081

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 15.50 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.6 MB of RAM.

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

**Detailed Error/Message File: PANC01.err
**File for Summary of Results: PANC01.sum

*** AERMOD - VERSION 23132 *** *** Construction HRA Worker Receptors
 *** AERMET - VERSION 18081 *** *** 1170 and 1190 Roberts Avenue Residential Project

*** 11/17/24
 *** 19:29:44
 PAGE 2

*** MODELOPTs: NonDEFAULT CONC FLAT and 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	AIRCRAFT
L0000001	0	0.45455E-01	601272.3	4131679.2	34.5	4.15	13.02	3.26	YES	HRDOW	NO
L0000002	0	0.45455E-01	601254.6	4131700.9	34.5	4.15	13.02	3.26	YES	HRDOW	NO
L0000003	0	0.45455E-01	601237.0	4131722.7	34.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000004	0	0.45455E-01	601219.3	4131744.4	34.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000005	0	0.45455E-01	601201.7	4131766.2	34.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000006	0	0.45455E-01	601184.0	4131787.9	34.1	4.15	13.02	3.26	YES	HRDOW	NO
L0000007	0	0.45455E-01	601166.4	4131809.6	33.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000008	0	0.45455E-01	601148.7	4131831.4	33.7	4.15	13.02	3.26	YES	HRDOW	NO
L0000009	0	0.45455E-01	601131.1	4131853.1	33.8	4.15	13.02	3.26	YES	HRDOW	NO
L0000010	0	0.45455E-01	601113.4	4131874.9	33.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000011	0	0.45455E-01	601095.8	4131896.6	34.1	4.15	13.02	3.26	YES	HRDOW	NO
L0000012	0	0.45455E-01	601078.1	4131918.3	34.1	4.15	13.02	3.26	YES	HRDOW	NO
L0000013	0	0.45455E-01	601060.5	4131940.1	33.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000014	0	0.45455E-01	601046.9	4131961.5	33.7	4.15	13.02	3.26	YES	HRDOW	NO
L0000015	0	0.45455E-01	601067.9	4131979.9	33.5	4.15	13.02	3.26	YES	HRDOW	NO
L0000016	0	0.45455E-01	601089.0	4131998.4	33.4	4.15	13.02	3.26	YES	HRDOW	NO
L0000017	0	0.45455E-01	601110.1	4132016.8	33.2	4.15	13.02	3.26	YES	HRDOW	NO
L0000018	0	0.45455E-01	601131.1	4132035.3	33.2	4.15	13.02	3.26	YES	HRDOW	NO
L0000019	0	0.45455E-01	601152.2	4132053.7	33.0	4.15	13.02	3.26	YES	HRDOW	NO
L0000020	0	0.45455E-01	601173.2	4132072.2	32.9	4.15	13.02	3.26	YES	HRDOW	NO
L0000021	0	0.45455E-01	601194.3	4132090.7	32.7	4.15	13.02	3.26	YES	HRDOW	NO
L0000022	0	0.45455E-01	601215.3	4132109.1	32.6	4.15	13.02	3.26	YES	HRDOW	NO
L0000023	0	0.45455E-01	601272.3	4131679.2	34.5	0.00	13.02	3.26	YES	HRDOW	NO
L0000024	0	0.45455E-01	601254.6	4131700.9	34.5	0.00	13.02	3.26	YES	HRDOW	NO
L0000025	0	0.45455E-01	601237.0	4131722.7	34.4	0.00	13.02	3.26	YES	HRDOW	NO
L0000026	0	0.45455E-01	601219.3	4131744.4	34.4	0.00	13.02	3.26	YES	HRDOW	NO
L0000027	0	0.45455E-01	601201.7	4131766.2	34.4	0.00	13.02	3.26	YES	HRDOW	NO
L0000028	0	0.45455E-01	601184.0	4131787.9	34.1	0.00	13.02	3.26	YES	HRDOW	NO
L0000029	0	0.45455E-01	601166.4	4131809.6	33.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000030	0	0.45455E-01	601148.7	4131831.4	33.7	0.00	13.02	3.26	YES	HRDOW	NO
L0000031	0	0.45455E-01	601131.1	4131853.1	33.8	0.00	13.02	3.26	YES	HRDOW	NO
L0000032	0	0.45455E-01	601113.4	4131874.9	33.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000033	0	0.45455E-01	601095.8	4131896.6	34.1	0.00	13.02	3.26	YES	HRDOW	NO
L0000034	0	0.45455E-01	601078.1	4131918.3	34.1	0.00	13.02	3.26	YES	HRDOW	NO
L0000035	0	0.45455E-01	601060.5	4131940.1	33.9	0.00	13.02	3.26	YES	HRDOW	NO
L0000036	0	0.45455E-01	601046.9	4131961.5	33.7	0.00	13.02	3.26	YES	HRDOW	NO
L0000037	0	0.45455E-01	601067.9	4131979.9	33.5	0.00	13.02	3.26	YES	HRDOW	NO
L0000038	0	0.45455E-01	601089.0	4131998.4	33.4	0.00	13.02	3.26	YES	HRDOW	NO

L0000039	0	0.45455E-01	601110.1	4132016.8	33.2	0.00	13.02	3.26	YES	HRDOW	NO
L0000040	0	0.45455E-01	601131.1	4132035.3	33.2	0.00	13.02	3.26	YES	HRDOW	NO


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*** AERMOD - VERSION 23132 ***   *** Construction HRA Worker Receptors   ***   11/17/24
*** AERMET - VERSION 18081 ***   *** 1170 and 1190 Roberts Avenue Residential Project ***   19:29:44
*** MODELOPTs:   NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*   ***   PAGE 4

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*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	LOCATION OF AREA Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
PAREA1	0	0.11704E-03	601315.9	4131808.7	33.5	4.15	8	1.93	YES	HRDOW	NO
PAREA3	0	0.11704E-03	601315.9	4131808.7	33.5	0.00	8	0.00	YES	HRDOW	NO

*** AERMOD - VERSION 23132 *** *** Construction HRA Worker Receptors
*** AERMET - VERSION 18081 *** *** 1170 and 1190 Roberts Avenue Residential Project
*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs								
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
L0000008	1936259.	L0000001	, L0000002	, L0000003	, L0000004	, L0000005	, L0000006	, L0000007	,	
	,	L0000009	, L0000010	, L0000011	, L0000012	, L0000013	, L0000014	, L0000015	, L0000016	,
		L0000017	, L0000018	, L0000019	, L0000020	, L0000021	, L0000022	, PAREA1	, L0000023	,
		L0000024	, L0000025	, L0000026	, L0000027	, L0000028	, L0000029	, L0000030	, L0000031	,
		L0000032	, L0000033	, L0000034	, L0000035	, L0000036	, L0000037	, L0000038	, L0000039	,
		L0000040	, L0000041	, L0000042	, L0000043	, L0000044	, PAREA3	,		

*** AERMOD - VERSION 23132 *** *** Construction HRA Worker Receptors
*** AERMET - VERSION 18081 *** *** 1170 and 1190 Roberts Avenue Residential Project

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

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

(601144.5, 4131900.3,	33.9,	33.9,	1.5);	(601155.5, 4131909.7,	33.8,	33.8,	1.5);
(601168.6, 4131919.4,	33.8,	33.8,	1.5);	(601180.8, 4131937.2,	33.6,	33.6,	1.5);
(601168.3, 4131953.2,	33.5,	33.5,	1.5);	(601157.7, 4131966.6,	33.4,	33.4,	1.5);
(601144.5, 4131982.6,	33.4,	33.4,	1.5);	(601311.0, 4132069.5,	32.6,	32.6,	1.5);
(601300.8, 4132079.4,	32.7,	32.7,	1.5);	(601291.2, 4132094.8,	32.6,	32.6,	1.5);
(601281.7, 4132111.1,	32.6,	32.6,	1.5);	(601328.7, 4132140.4,	32.5,	32.5,	1.5);
(601338.3, 4132129.5,	32.6,	32.6,	1.5);	(601350.9, 4132112.8,	32.6,	32.6,	1.5);
(601366.9, 4132125.1,	32.6,	32.6,	1.5);	(601381.9, 4132138.7,	32.5,	32.5,	1.5);
(601392.4, 4132147.9,	32.4,	32.4,	1.5);	(601404.4, 4132157.5,	32.3,	32.3,	1.5);
(601349.9, 4131983.7,	32.9,	32.9,	1.5);	(601361.8, 4131992.2,	32.9,	32.9,	1.5);
(601373.0, 4132002.4,	32.9,	32.9,	1.5);	(601442.5, 4131802.4,	33.2,	33.2,	1.5);
(601422.0, 4131797.8,	33.2,	33.2,	1.5);	(601431.1, 4131789.3,	33.2,	33.2,	1.5);
(601296.7, 4131925.5,	33.2,	33.2,	1.5);	(601312.8, 4131940.2,	33.2,	33.2,	1.5);
(601342.0, 4131918.3,	33.2,	33.2,	1.5);	(601329.4, 4131909.5,	33.2,	33.2,	1.5);
(601318.7, 4131900.7,	33.2,	33.2,	1.5);	(601307.6, 4131841.1,	33.6,	33.6,	1.5);
(601301.5, 4131847.6,	33.6,	33.6,	1.5);	(601293.4, 4131855.2,	33.5,	33.5,	1.5);
(601338.9, 4131877.4,	33.2,	33.2,	1.5);	(601091.1, 4131661.3,	36.6,	36.6,	1.5);
(601373.4, 4131749.8,	33.5,	33.5,	1.5);	(601382.5, 4131757.4,	33.5,	33.5,	1.5);
(601218.4, 4131939.9,	33.5,	33.5,	1.5);	(601209.5, 4131951.9,	33.5,	33.5,	1.5);
(601199.5, 4131964.4,	33.3,	33.3,	1.5);	(601223.6, 4132060.1,	32.9,	32.9,	1.5);
(601297.0, 4131954.0,	33.2,	33.2,	1.5);	(601681.7, 4131647.1,	33.5,	33.5,	1.5);
(600933.1, 4131819.6,	29.5,	32.0,	1.5);	(600954.2, 4131805.0,	26.8,	33.8,	1.5);
(600967.2, 4131787.0,	27.7,	33.5,	1.5);	(600981.0, 4131771.7,	30.3,	30.3,	1.5);
(600996.0, 4131751.0,	29.3,	33.5,	1.5);	(601006.7, 4131733.3,	28.7,	33.8,	1.5);
(601016.7, 4131716.4,	27.2,	36.6,	1.5);	(601022.8, 4131700.0,	27.2,	37.5,	1.5);
(601028.6, 4131681.5,	28.4,	37.5,	1.5);	(601034.7, 4131660.5,	29.4,	38.1,	1.5);
(601042.4, 4131633.2,	30.5,	38.1,	1.5);	(601048.9, 4131604.8,	31.6,	38.1,	1.5);
(601054.7, 4131578.4,	32.8,	38.1,	1.5);	(601055.8, 4131560.0,	33.0,	38.1,	1.5);
(601055.4, 4131539.3,	33.0,	38.1,	1.5);	(601048.9, 4131506.7,	32.3,	38.1,	1.5);
(599741.1, 4131943.4,	30.1,	30.1,	1.5);				

*** AERMOD - VERSION 23132 *** *** Construction HRA Worker Receptors *** 11/17/24
 *** AERMET - VERSION 18081 *** *** 1170 and 1190 Roberts Avenue Residential Project *** 19:29:44
 *** MODELOPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U* PAGE 58

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULEX ***
 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 ,

*** 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
601144.52	4131900.35	10.29168	601155.47	4131909.73	7.67437
601168.60	4131919.42	6.09525	601180.79	4131937.24	5.26815
601168.28	4131953.19	6.05231	601157.65	4131966.63	7.06724
601144.52	4131982.57	8.92117	601311.00	4132069.55	2.21491
601300.78	4132079.43	2.37594	601291.24	4132094.76	2.26579
601281.70	4132111.12	1.94211	601328.72	4132140.42	0.65091
601338.26	4132129.52	0.66185	601350.87	4132112.82	0.70486
601366.89	4132125.09	0.53930	601381.88	4132138.72	0.43526
601392.44	4132147.92	0.38379	601404.37	4132157.46	0.33938
601349.85	4131983.68	1.82640	601361.77	4131992.20	1.65055
601373.02	4132002.42	1.46622	601442.53	4131802.42	1.18200
601421.97	4131797.85	1.34081	601431.11	4131789.29	1.29928
601296.68	4131925.51	2.37034	601312.80	4131940.16	2.20314
601341.99	4131918.31	1.82105	601329.38	4131909.52	1.94429
601318.67	4131900.72	2.06239	601307.58	4131841.08	2.50942
601301.47	4131847.58	2.55986	601293.44	4131855.23	2.64097
601338.93	4131877.40	1.86042	601091.12	4131661.27	0.64777
601373.37	4131749.78	2.28983	601382.51	4131757.43	2.03701
601218.36	4131939.87	3.96293	601209.52	4131951.94	4.35570
601199.47	4131964.40	4.93640	601223.59	4132060.08	8.37129
601297.04	4131954.00	2.48847	601681.73	4131647.11	0.53280
600933.10	4131819.62	0.71371	600954.19	4131805.05	0.75561
600967.23	4131787.02	0.74372	600981.04	4131771.68	0.75130
600995.99	4131750.97	0.71787	601006.73	4131733.33	0.67712
601016.70	4131716.45	0.63382	601022.84	4131699.96	0.58407
601028.59	4131681.55	0.53382	601034.73	4131660.46	0.47956
601042.40	4131633.23	0.41737	601048.92	4131604.85	0.35893
601054.67	4131578.39	0.31159	601055.82	4131559.98	0.27967
601055.44	4131539.27	0.24780	601048.92	4131506.67	0.20373
599741.12	4131943.44	0.02819			

*** AERMOD - VERSION 23132 *** *** Construction HRA Worker Receptors *** 11/17/24
 *** AERMET - VERSION 18081 *** *** 1170 and 1190 Roberts Avenue Residential Project *** 19:29:44
 *** MODELPTS: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U* PAGE 59

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: HAULPM ***
 INCLUDING SOURCE(S): L0000023 , L0000024 , L0000025 , L0000026 , L0000027 ,
 L0000028 , L0000029 , L0000030 , L0000031 , L0000032 , L0000033 , L0000034 , L0000035 ,
 L0000036 , L0000037 , L0000038 , L0000039 , L0000040 , L0000041 , L0000042 , L0000043 ,
 L0000044 ,

*** 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
601144.52	4131900.35	11.24660	601155.47	4131909.73	7.92484
601168.60	4131919.42	6.11793	601180.79	4131937.24	5.25765
601168.28	4131953.19	6.13760	601157.65	4131966.63	7.34819
601144.52	4131982.57	9.87452	601311.00	4132069.55	2.19087
601300.78	4132079.43	2.35339	601291.24	4132094.76	2.23046
601281.70	4132111.12	1.93130	601328.72	4132140.42	0.62947
601338.26	4132129.52	0.62593	601350.87	4132112.82	0.64334
601366.89	4132125.09	0.50323	601381.88	4132138.72	0.41454
601392.44	4132147.92	0.36920	601404.37	4132157.46	0.32906
601349.85	4131983.68	1.86385	601361.77	4131992.20	1.68753
601373.02	4132002.42	1.49061	601442.53	4131802.42	1.15755
601421.97	4131797.85	1.30865	601431.11	4131789.29	1.26831
601296.68	4131925.51	2.34434	601312.80	4131940.16	2.19582
601341.99	4131918.31	1.81751	601329.38	4131909.52	1.92732
601318.67	4131900.72	2.03237	601307.58	4131841.08	2.44625
601301.47	4131847.58	2.49412	601293.44	4131855.23	2.57232
601338.93	4131877.40	1.82620	601091.12	4131661.27	0.63484
601373.37	4131749.78	2.27981	601382.51	4131757.43	2.01472
601218.36	4131939.87	3.92355	601209.52	4131951.94	4.33760
601199.47	4131964.40	4.95910	601223.59	4132060.08	9.72395
601297.04	4131954.00	2.47920	601681.73	4131647.11	0.53485
600933.10	4131819.62	0.69584	600954.19	4131805.05	0.74247
600967.23	4131787.02	0.72704	600981.04	4131771.68	0.72795
600995.99	4131750.97	0.69712	601006.73	4131733.33	0.65982
601016.70	4131716.45	0.62181	601022.84	4131699.96	0.57526
601028.59	4131681.55	0.52663	601034.73	4131660.46	0.47388
601042.40	4131633.23	0.41280	601048.92	4131604.85	0.35498
601054.67	4131578.39	0.30798	601055.82	4131559.98	0.27650
601055.44	4131539.27	0.24506	601048.92	4131506.67	0.20162
599741.12	4131943.44	0.02739			

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*** MODELOPTs: NonDEFAULT CONC FLAT and ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

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

GROUP ID				AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
ONSITE_E	1ST HIGHEST VALUE IS	25.22348	AT (	601373.37,	4131749.78,	33.53,	33.53,	1.50)	DC
	2ND HIGHEST VALUE IS	15.41972	AT (	601382.51,	4131757.43,	33.46,	33.46,	1.50)	DC
	3RD HIGHEST VALUE IS	5.87465	AT (	601307.58,	4131841.08,	33.56,	33.56,	1.50)	DC
	4TH HIGHEST VALUE IS	5.37823	AT (	601301.47,	4131847.58,	33.56,	33.56,	1.50)	DC
	5TH HIGHEST VALUE IS	4.88090	AT (	601293.44,	4131855.23,	33.54,	33.54,	1.50)	DC
	6TH HIGHEST VALUE IS	2.68979	AT (	601144.52,	4131900.35,	33.93,	33.93,	1.50)	DC
	7TH HIGHEST VALUE IS	2.55704	AT (	601155.47,	4131909.73,	33.85,	33.85,	1.50)	DC
	8TH HIGHEST VALUE IS	2.46389	AT (	601431.11,	4131789.29,	33.22,	33.22,	1.50)	DC
	9TH HIGHEST VALUE IS	2.37824	AT (	601168.60,	4131919.42,	33.75,	33.75,	1.50)	DC
	10TH HIGHEST VALUE IS	2.35098	AT (	601421.97,	4131797.85,	33.22,	33.22,	1.50)	DC
ONSITEPM	1ST HIGHEST VALUE IS	35.84737	AT (	601373.37,	4131749.78,	33.53,	33.53,	1.50)	DC
	2ND HIGHEST VALUE IS	17.42373	AT (	601382.51,	4131757.43,	33.46,	33.46,	1.50)	DC
	3RD HIGHEST VALUE IS	5.98846	AT (	601307.58,	4131841.08,	33.56,	33.56,	1.50)	DC
	4TH HIGHEST VALUE IS	5.39548	AT (	601301.47,	4131847.58,	33.56,	33.56,	1.50)	DC
	5TH HIGHEST VALUE IS	4.83817	AT (	601293.44,	4131855.23,	33.54,	33.54,	1.50)	DC
	6TH HIGHEST VALUE IS	2.95811	AT (	601144.52,	4131900.35,	33.93,	33.93,	1.50)	DC
	7TH HIGHEST VALUE IS	2.75249	AT (	601155.47,	4131909.73,	33.85,	33.85,	1.50)	DC
	8TH HIGHEST VALUE IS	2.48616	AT (	601168.60,	4131919.42,	33.75,	33.75,	1.50)	DC
	9TH HIGHEST VALUE IS	2.16921	AT (	601431.11,	4131789.29,	33.22,	33.22,	1.50)	DC
	10TH HIGHEST VALUE IS	2.10087	AT (	601421.97,	4131797.85,	33.22,	33.22,	1.50)	DC
HAULEX	1ST HIGHEST VALUE IS	10.29168	AT (	601144.52,	4131900.35,	33.93,	33.93,	1.50)	DC
	2ND HIGHEST VALUE IS	8.92117	AT (	601144.52,	4131982.57,	33.37,	33.37,	1.50)	DC
	3RD HIGHEST VALUE IS	8.37129	AT (	601223.59,	4132060.08,	32.92,	32.92,	1.50)	DC
	4TH HIGHEST VALUE IS	7.67437	AT (	601155.47,	4131909.73,	33.85,	33.85,	1.50)	DC
	5TH HIGHEST VALUE IS	7.06724	AT (	601157.65,	4131966.63,	33.36,	33.36,	1.50)	DC
	6TH HIGHEST VALUE IS	6.09525	AT (	601168.60,	4131919.42,	33.75,	33.75,	1.50)	DC
	7TH HIGHEST VALUE IS	6.05231	AT (	601168.28,	4131953.19,	33.46,	33.46,	1.50)	DC
	8TH HIGHEST VALUE IS	5.26815	AT (	601180.79,	4131937.24,	33.57,	33.57,	1.50)	DC
	9TH HIGHEST VALUE IS	4.93640	AT (	601199.47,	4131964.40,	33.35,	33.35,	1.50)	DC
	10TH HIGHEST VALUE IS	4.35570	AT (	601209.52,	4131951.94,	33.47,	33.47,	1.50)	DC
HAULPM	1ST HIGHEST VALUE IS	11.24660	AT (	601144.52,	4131900.35,	33.93,	33.93,	1.50)	DC
	2ND HIGHEST VALUE IS	9.87452	AT (	601144.52,	4131982.57,	33.37,	33.37,	1.50)	DC
	3RD HIGHEST VALUE IS	9.72395	AT (	601223.59,	4132060.08,	32.92,	32.92,	1.50)	DC
	4TH HIGHEST VALUE IS	7.92484	AT (	601155.47,	4131909.73,	33.85,	33.85,	1.50)	DC

5TH HIGHEST VALUE IS	7.34819	AT (	601157.65,	4131966.63,	33.36,	33.36,	1.50)	DC
6TH HIGHEST VALUE IS	6.13760	AT (	601168.28,	4131953.19,	33.46,	33.46,	1.50)	DC
7TH HIGHEST VALUE IS	6.11793	AT (	601168.60,	4131919.42,	33.75,	33.75,	1.50)	DC
8TH HIGHEST VALUE IS	5.25765	AT (	601180.79,	4131937.24,	33.57,	33.57,	1.50)	DC
9TH HIGHEST VALUE IS	4.95910	AT (	601199.47,	4131964.40,	33.35,	33.35,	1.50)	DC
10TH HIGHEST VALUE IS	4.33760	AT (601209.52,	4131951.94,	33.47,	33.47,	1.50)	DC

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

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*** MODELOPTs: NonDEFAULT CONC FLAT and 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 5 Warning Message(s)
A Total of 930 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 530 Calm Hours Identified

A Total of 400 Missing Hours Identified (0.91 Percent)

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

***** WARNING MESSAGES *****
ME W186 777 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 777 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W492 1 METEXT: SURFDATA YR .NE. 1st YR of file, adj to match file StartYR 2013
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 15010101
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 1 year gap

*** AERMOD Finishes Successfully ***

Appendix C. Construction Risk Calculations

Table C1
MEIR Concentrations for Risk Calculations

Contaminant (a)	Source (b)		Model Output ¹ ($\mu\text{g}/\text{m}^3$) (c)	Emission Rates ² (g/s) (d)	MEIR Conc. ($\mu\text{g}/\text{m}^3$) (e)	Total MEIR Conc. Annual Average ($\mu\text{g}/\text{m}^3$) (f)
Residential Receptors - Unmitigated						
DPM	2025	On-Site Emissions	47.46	5.28E-03	2.51E-01	2.51E-01
		Truck Route	6.38	1.98E-06	1.27E-05	
	2026	On-Site Emissions	47.46	2.69E-03	1.28E-01	1.28E-01
		Truck Route	6.38	1.87E-07	1.19E-06	
	2027	On-Site Emissions	47.46	3.31E-03	1.57E-01	1.57E-01
		Truck Route	6.38	1.48E-07	9.42E-07	
Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations						
PM _{2.5}	2025	On-Site Emissions	79.27	9.35E-03	7.42E-01	7.42E-01
		Truck Route	6.48	5.55E-05	3.59E-04	
	2026	On-Site Emissions	79.27	2.48E-03	1.96E-01	1.96E-01
		Truck Route	6.48	1.82E-05	1.18E-04	
	2027	On-Site Emissions	79.27	3.04E-03	2.41E-01	2.41E-01
		Truck Route	6.48	2.79E-05	1.81E-04	
Maximum Annual PM_{2.5} Concentration						0.74
Residential Receptors - Mitigated Run: Tier 4 Final Engines for Diesel-Powered Equipment >50 Horsepower, Level 3 Diesel Particulate Filters for Diesel-Powered Equipment ≤ 50 Horsepower, 3x Daily Watering, and 2x Daily Water for						
DPM	2025	On-Site Emissions	47.46	5.86E-04	2.78E-02	2.78E-02
		Truck Route	6.38	1.98E-06	1.27E-05	
	2026	On-Site Emissions	47.46	3.64E-04	1.73E-02	1.73E-02
		Truck Route	6.38	1.87E-07	1.19E-06	
	2027	On-Site Emissions	47.46	5.29E-04	2.51E-02	2.51E-02
		Truck Route	6.38	1.48E-07	9.42E-07	
Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations						
PM _{2.5}	2025	On-Site Emissions	79.27	2.98E-03	2.37E-01	2.37E-01
		Truck Route	6.48	5.55E-05	3.59E-04	
	2026	On-Site Emissions	79.27	3.51E-04	2.78E-02	2.79E-02
		Truck Route	6.48	1.82E-05	1.18E-04	
	2027	On-Site Emissions	79.27	5.07E-04	4.02E-02	4.03E-02
		Truck Route	6.48	2.79E-05	1.81E-04	
Maximum Annual PM_{2.5} Concentration						0.24
Residential Receptors - Mitigated Run: Tier 4 Interim Engines for All Diesel-Powered Equipment						
DPM	2023	On-Site Emissions	47.46		0.00E+00	0.00E+00
		Truck Route	6.38		0.00E+00	
	2024	On-Site Emissions	47.46		0.00E+00	0.00E+00
		Truck Route	6.38		0.00E+00	
	2025	On-Site Emissions	47.46		0.00E+00	0.00E+00
		Truck Route	6.38		0.00E+00	
	2026	On-Site Emissions	6.38		0.00E+00	0.00E+00
		Truck Route	47.46		0.00E+00	

		Model Output ($\mu\text{g}/\text{m}^3$)	
MEIR Receptor Points	Onsite	Offsite	
601270.69 E, 4131708.47 N	33.575	12.397	
601280.69 E, 4131708.47 N	40.571	10.421	
601280.69 E, 4131718.47 N	45.542	11.898	
601290.69 E, 4131718.47 N	48.12652	9.40787	
601290.69 E, 4131728.47 N	50.16988	8.19998	
601300.69 E, 4131728.47 N	51.106	6.782	
601300.69 E, 4131738.47 N	51.76281	6.05777	
601310.69 E, 4131738.47 N	51.96556	5.17132	
601310.69 E, 4131748.47 N	51.80885	4.69466	
601320.69 E, 4131748.47 N	51.2785	4.09951	
601330.69 E, 4131748.47 N	51.05987	3.61633	
601320.69 E, 4131758.47 N	50.23542	3.77398	
601330.69 E, 4131758.47 N	48.41479	3.35665	
601340.69 E, 4131758.47 N	45.89801	3.00942	
601340.69 E, 4131768.47 N	40.38224	2.82116	
Average	47.46	6.38	
MEIR Receptor Points	Onsite	Offsite	
601270.69 E, 4131708.47 N	54.696	15.011	
601280.69 E, 4131708.47 N	65.725	12.231	
601280.69 E, 4131718.47 N	75.020	14.070	
601290.69 E, 4131718.47 N	78.795	10.606	
601290.69 E, 4131728.47 N	82.294	8.984	
601300.69 E, 4131728.47 N	84.561	7.253	
601300.69 E, 4131738.47 N	85.249	6.384	
601310.69 E, 4131738.47 N	87.469	5.380	
601310.69 E, 4131748.47 N	85.562	4.841	
601320.69 E, 4131748.47 N	87.525	4.193	
601330.69 E, 4131748.47 N	82.876	3.675	
601320.69 E, 4131758.47 N	83.779	3.833	
601330.69 E, 4131758.47 N	85.065	3.389	
601340.69 E, 4131758.47 N	77.695	3.022	
601340.69 E, 4131768.47 N	72.715	2.816	
Average	79.27	6.48	

Table C1
MEIR Concentrations for Risk Calculations

Contaminant (a)	Source (b)		Model Output ¹ ($\mu\text{g}/\text{m}^3$) (c)	Emission Rates ² (g/s) (d)	MEIR Conc. ($\mu\text{g}/\text{m}^3$) (e)	Total MEIR Conc. Annual Average ($\mu\text{g}/\text{m}^3$) (f)
Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations						
PM _{2.5}	2023	On-Site Emissions	47.46		0.00E+00	0.00E+00
		Truck Route	6.38		0.00E+00	
	2024	On-Site Emissions	47.46		0.00E+00	0.00E+00
		Truck Route	6.38		0.00E+00	
	2025	On-Site Emissions	47.46		0.00E+00	0.00E+00
		Truck Route	6.38		0.00E+00	
	2026	On-Site Emissions	6.38		0.00E+00	0.00E+00
		Truck Route	47.46		0.00E+00	
Maximum Annual PM_{2.5} Concentration						0.000

Model Output

Maximum Exposed Individual Resident (MEIR): 1180 Roberts AveSan Jose, CA 95122

¹ Model Output at the MEIR based on unit emission rates for sources (1 g/s) and based on the average concentrations of the four receptor points at the MEIR location.

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

**Table C2
MEIR Health Risk Calculations**

Source (a)	MEIR Conc. ($\mu\text{g}/\text{m}^3$) (b)	Weight Fraction (c)	Contaminant (d)	URF ($\mu\text{g}/\text{m}^3$) ⁻¹ (e)	CPF (mg/kg/day) ⁻¹ (f)	Dose (by age bin)		Carcinogenic Risks (by age bin)		Total Cancer per million (m)	Chronic Hazards ³		
						3rd Trimester	0 < 2 years	3rd Trimester	0 < 2 years		REL	RESP	
						(mg/kg-day) (g)	(mg/kg-day) (h)	per million (j)	per million (k)		($\mu\text{g}/\text{m}^3$) (n)	(o)	
Residential Receptors - Unmitigated													
2025	On & Off-Site	2.51E-01	1.00E+00	DPM	3.0E-04	1.1E+00	8.68E-05	2.62E-04	2.77E+00	1.12E+01	14.0	5.0E+00	5.01E-02
2026	Site	1.28E-01						1.34E-04		1.70E+01	17.0		2.56E-02
2027	Emission	1.57E-01						1.64E-04		4.25E+00	4.2		3.14E-02
Total											35.27	0.107	
Residential Receptors - Mitigated Run: Tier 4 Final Engines for Diesel-Powered Equipment >50 Horsepower, Level 3 Diesel Particulate Filters for Diesel-Powered Equipment ≤ 50 Horsepower, 3x Daily Watering, and 2x Daily Water for Demolition													
2025	On & Off-Site	2.78E-02	1.00E+00	DPM	3.0E-04	1.1E+00	9.63E-06	2.91E-05	3.07E-01	1.25E+00	1.6	5.0E+00	5.57E-03
2026	Site	1.73E-02						1.80E-05		2.30E+00	2.3		3.45E-03
2027	Emission	2.51E-02						2.62E-05		6.79E-01	0.7		5.02E-03
Total											4.53	0.014	

Maximum Exposed Individual Resident (MEIR): 1180 Roberts Ave San Jose, CA 95122

	OEHHA age bin exposure year(s)	3rd Trimester 2025	0 < 2 years 2025-2027
Dose Exposure Factors:	exposure frequency (days/year)	350	350
	inhalation rate (L/kg-day) ¹	361	1090
	inhalation absorption factor	1	1
	conversion factor (mg/ μg ; m ³ /L)	1.0E-06	1.0E-06
Risk Calculation Factors:	age sensitivity factor	10	10
	averaging time (years)	70	70
	per million	1.0E+06	1.0E+06
	fraction of time at home	0.85	0.85

exposure durations per age bin		exposure durations (year)	
Construction Year	Duration ²	3rd Trimester	0 < 2 years
2025	0.59	0.25	0.34
2026	1.00		1.00
2027	0.20		0.20
Total		0.25	1.54

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

² Construction durations determined for each year of construction 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 C3
MEIW Concentrations for Risk Calculations**

Contaminant (a)	Source (b)		Model Output ¹ ($\mu\text{g}/\text{m}^3$) (c)	Emission Rates ² (g/s) (d)	MER Conc. ($\mu\text{g}/\text{m}^3$) (e)	Total MER Conc. Annual Average ($\mu\text{g}/\text{m}^3$) (f)
Worker Receptors - Unmitigated						
DPM	2025	On-Site Emissions	25.22	5.28E-03	1.33E-01	1.33E-01
		Truck Route	2.29	1.98E-06	4.54E-06	
	2026	On-Site Emissions	25.22	2.69E-03	6.79E-02	6.79E-02
		Truck Route	2.29	1.87E-07	4.29E-07	
202	On-Site Emissions	25.22	3.31E-03	8.34E-02	8.34E-02	
	Truck Route	2.29	1.48E-07	3.38E-07		
Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations						
PM _{2.5}	2025	On-Site Emissions	35.85	9.35E-03	3.35E-01	3.35E-01
		Truck Route	2.28	5.55E-05	1.27E-04	
	2026	On-Site Emissions	35.85	2.48E-03	8.88E-02	8.88E-02
		Truck Route	2.28	1.82E-05	4.14E-05	
2027	On-Site Emissions	35.85	3.04E-03	1.09E-01	1.09E-01	
	Truck Route	2.28	2.79E-05	6.37E-05		
Maximum Annual PM_{2.5} Concentration						0.34
Worker Receptors - Mitigated Run: Tier 4 Final Engines for Diesel-Powered Equipment >50 Horsepower, Level 3 Diesel Particulate Filters for Diesel-Powered Equipment ≤ 50 Horsepower, 3x Daily Watering, and 2x Daily Water for						
DPM	2025	On-Site Emissions	25.22	5.86E-04	1.48E-02	1.48E-02
		Truck Route	2.29	1.98E-06	4.54E-06	
	2026	On-Site Emissions	25.22	3.64E-04	9.18E-03	9.18E-03
		Truck Route	2.29	1.87E-07	4.29E-07	
2027	On-Site Emissions	25.22	5.29E-04	1.33E-02	1.33E-02	
	Truck Route	2.29	1.48E-07	3.38E-07		
Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations						
PM _{2.5}	2025	On-Site Emissions	35.85	2.98E-03	1.07E-01	1.07E-01
		Truck Route	2.28	5.55E-05	1.27E-04	
	2026	On-Site Emissions	35.85	3.51E-04	1.26E-02	1.26E-02
		Truck Route	2.28	1.82E-05	4.14E-05	
2027	On-Site Emissions	35.85	5.07E-04	1.82E-02	1.82E-02	
	Truck Route	2.28	2.79E-05	6.37E-05		
Maximum Annual PM_{2.5} Concentration						0.11

MEIW: Chùa Tân Long - Tân Long Temple, 1283 Lucretia Ave San Jose, CA 95122.

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

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

**Table C4
MEIW Health Risk Calculations**

Source (a)	MEIW Conc. ($\mu\text{g}/\text{m}^3$) (b)	Weight Fraction (c)	Contaminant (d)	URF ($\mu\text{g}/\text{m}^3$) ⁻¹ (e)	CPF ($\text{mg}/\text{kg}/\text{day}$) ⁻¹ (f)	Dose (by age bin)	Carcinogenic Risks (by age bin)	Total Cancer Risk per million (i)	Chronic Hazards ³		
						Worker 16 < 70 years	Worker 16 < 70 years		REL	RESP	
						($\text{mg}/\text{kg}/\text{day}$) (g)	per million (h)		($\mu\text{g}/\text{m}^3$) (j)	(k)	
Worker Receptors - Unmitigated											
2025	On & Off	1.33E-01	1.00E+00	DPM	3.0E-04	1.1E+00	2.10E-05	1.84E-01	1.84E-01	5.0E+00	2.66E-02
2026	Site	6.79E-02					1.07E-05	1.60E-01	1.60E-01	5.0E+00	1.36E-02
2027	Emissions	8.34E-02					1.31E-05	4.00E-02	4.00E-02	5.0E+00	1.67E-02
Total									0.38	0.06	
Worker Receptors - Mitigated Run: Tier 4 Final Engines for Diesel-Powered Equipment >50 Horsepower, Level 3 Diesel Particulate Filters for Diesel-Powered Equipment ≤ 50 Horsepower, 3x Daily Watering, and 2x Daily Water for Demolition											
2025	On & Off	1.48E-02	1.00E+00	DPM	3.0E-04	1.1E+00	2.33E-06	2.05E-02	2.05E-02	5.0E+00	2.96E-03
2026	Site	9.18E-03					1.45E-06	2.17E-02	2.17E-02	5.0E+00	1.84E-03
2027	Emissions	1.33E-02					2.10E-06	6.40E-03	6.40E-03	6.0E+00	2.67E-03
Total									0.05	0.01	

MEIW: Chùa Tân Long - Tan Long Temple, 1283 Lucretia Ave San Jose, CA 95122.

		Workers 16 < 70 years 2025-2027
	OEHHA age bin exposure year(s)	
Dose Exposure Factors:	exposure frequency (days/year)	250
	8-hour inhalation rate (L/kg-day) ¹	230
	inhalation absorption factor	1
	conversion factor (mg/ μg ; m^3/L)	1.0E-06
Risk Calculation Factors:	age sensitivity factor	1
	averaging time (years)	70
	per million	1.0E+06

exposure durations per age bin			
Construction Year	Duration ²	16 < 70 years	
2025	0.59	0.59	
2026	1.00	1.00	
2027	0.20	0.20	
Total		1.79	1.79

¹ Inhalation rate taken as the 8-hour 95th percentile breathing rates, Moderate Activity (OEHHA, 2015).

² Construction duration determined for each year of construction 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 C5
MEIS - Robert F. Kennedy ES Concentrations for Risk Calculations

Contaminant (a)	Source (b)		Model Output ¹ ($\mu\text{g}/\text{m}^3$) (c)	Emission Rates ² (g/s) (d)	MER Conc. ($\mu\text{g}/\text{m}^3$) (e)	Total MER Conc. Annual Average ($\mu\text{g}/\text{m}^3$) (f)
Student Receptors - Unmitigated						
DPM	2025	On-Site Emissions	1.05	5.28E-03	5.57E-03	5.57E-03
		Truck Route	0.53	1.98E-06	1.06E-06	
	2026	On-Site Emissions	1.05	2.69E-03	2.84E-03	2.84E-03
		Truck Route	0.53	1.87E-07	9.98E-08	
2027	On-Site Emissions	1.05	3.31E-03	3.49E-03	3.49E-03	
	Truck Route	0.53	1.48E-07	7.88E-08		
Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations						
PM _{2.5}	2025	On-Site Emissions	0.91	9.35E-03	8.51E-03	8.53E-03
		Truck Route	0.54	5.55E-05	2.97E-05	
	2026	On-Site Emissions	0.91	2.48E-03	2.25E-03	2.26E-03
		Truck Route	0.54	1.82E-05	9.73E-06	
2027	On-Site Emissions	0.91	3.04E-03	2.77E-03	2.78E-03	
	Truck Route	0.54	2.79E-05	1.50E-05		
Maximum Annual PM_{2.5} Concentration						0.01
Student Receptors - Mitigated Run: Tier 4 Final Engines for Diesel-Powered Equipment >50 Horsepower, Level 3 Diesel Particulate Filters for Diesel-Powered Equipment ≤ 50 Horsepower, 3x Daily Watering, and 2x Daily Water for						
DPM	2025	On-Site Emissions	1.05	5.86E-04	6.18E-04	6.19E-04
		Truck Route	0.53	1.98E-06	1.06E-06	
	2026	On-Site Emissions	1.05	3.64E-04	3.84E-04	3.84E-04
		Truck Route	0.53	1.87E-07	9.98E-08	
2027	On-Site Emissions	1.05	5.29E-04	5.57E-04	5.57E-04	
	Truck Route	0.53	1.48E-07	7.88E-08		
Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations						
PM _{2.5}	2025	On-Site Emissions	0.91	2.98E-03	2.71E-03	2.74E-03
		Truck Route	0.54	5.55E-05	2.97E-05	
	2026	On-Site Emissions	0.91	3.51E-04	3.19E-04	3.28E-04
		Truck Route	0.54	1.82E-05	9.73E-06	
2027	On-Site Emissions	0.91	5.07E-04	4.61E-04	4.76E-04	
	Truck Route	0.54	2.79E-05	1.50E-05		
Maximum Annual PM_{2.5} Concentration						0.003

MEIS UTM coordinates: 601681.32E,4131647.75N

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

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

Table C6
MEIS - Robert F. Kennedy ES Health Risk Calculations

Source (a)	MEIW Conc. ($\mu\text{g}/\text{m}^3$) (b)	Weight Fraction (c)	Contaminant (d)	URF ($\mu\text{g}/\text{m}^3$) ⁻¹ (e)	CPF ($\text{mg}/\text{kg}/\text{day}$) ⁻¹ (f)	Dose (by age bin)	Carcinogenic Risks (by age bin)	Total Cancer Risk per million (i)	Chronic Hazards ³		
						Student 2 < 9 years	Student 2 < 9 years		REL	RESP	
						($\text{mg}/\text{kg}/\text{day}$) (g)	per million (h)		($\mu\text{g}/\text{m}^3$) (j)	(k)	
Student Receptors - Unmitigated											
2025	On & Off	5.57E-03	1.00E+00	DPM	3.0E-04	1.1E+00	1.76E-06	4.64E-02	4.64E-02	5.0E+00	1.11E-03
2026	Site	2.84E-03					8.96E-07	4.03E-02	4.03E-02	5.0E+00	5.68E-04
2027	Emissions	3.49E-03					1.10E-06	1.01E-02	1.01E-02	5.0E+00	6.97E-04
Total									0.10	0.002	
Student Receptors - Mitigated Run: Tier 4 Final Engines for Diesel-Powered Equipment >50 Horsepower, Level 3 Diesel Particulate Filters for Diesel-Powered Equipment ≤ 50 Horsepower, 3x Daily Watering, and 2x Daily Water for Demolition											
2025	On & Off	6.19E-04	1.00E+00	DPM	3.0E-04	1.1E+00	1.95E-07	5.15E-03	5.15E-03	5.0E+00	1.24E-04
2026	Site	3.84E-04					1.21E-07	5.45E-03	5.45E-03	5.0E+00	7.67E-05
2027	Emissions	5.57E-04					1.76E-07	1.61E-03	1.61E-03	6.0E+00	1.11E-04
Total									0.012	0.0003	

MEIS UTM coordinates: 601681.32E,4131647.75N

	OEHHA age bin exposure year(s)	Students 2<9 years 2025-2027
Dose Exposure Factors:	exposure frequency (days/year)	180
	8-hour inhalation rate (L/kg-day) ¹	640
	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

exposure durations per age bin			
Construction Year	Duration ²	2<9 years	
2025	0.59	0.59	
2026	1.00	1.00	
2027	0.20	0.20	
Total	1.79	1.79	

¹ Inhalation rate taken as the 8-hour 95th percentile breathing rates, Moderate Activity (OEHHA, 2015).

² Construction duration determined for each year of construction 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 C7

MEIS - Rocketship Moasic Elementary Concentrations for Risk Calculations

Contaminant (a)	Source (b)		Model Output ¹ ($\mu\text{g}/\text{m}^3$) (c)	Emission Rates ² (g/s) (d)	MER Conc. ($\mu\text{g}/\text{m}^3$) (e)	Total MER Conc. Annual Average ($\mu\text{g}/\text{m}^3$) (f)
Student Receptors - Unmitigated						
DPM	2025	On-Site Emissions	0.57	5.28E-03	3.00E-03	3.00E-03
		Truck Route	1.78	1.98E-06	3.54E-06	
	2026	On-Site Emissions	0.57	2.69E-03	1.53E-03	1.53E-03
		Truck Route	1.78	1.87E-07	3.34E-07	
	2027	On-Site Emissions	0.57	3.31E-03	1.88E-03	1.88E-03
		Truck Route	1.78	1.48E-07	2.63E-07	
Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations						
PM _{2.5}	2025	On-Site Emissions	0.51	9.35E-03	4.73E-03	4.83E-03
		Truck Route	1.82	5.55E-05	1.01E-04	
	2026	On-Site Emissions	0.51	2.48E-03	1.25E-03	1.29E-03
		Truck Route	1.82	1.82E-05	3.31E-05	
	2027	On-Site Emissions	0.51	3.04E-03	1.54E-03	1.59E-03
		Truck Route	1.82	2.79E-05	5.09E-05	
Maximum Annual PM_{2.5} Concentration						0.005
Student Receptors - Mitigated Run: Tier 4 Final Engines for Diesel-Powered Equipment >50 Horsepower, Level 3 Diesel Particulate Filters for Diesel-Powered Equipment ≤ 50 Horsepower, 3x Daily Watering, and 2x Daily Water for						
DPM	2025	On-Site Emissions	0.57	5.86E-04	3.33E-04	3.36E-04
		Truck Route	1.78	1.98E-06	3.54E-06	
	2026	On-Site Emissions	0.57	3.64E-04	2.06E-04	2.07E-04
		Truck Route	1.78	1.87E-07	3.34E-07	
	2027	On-Site Emissions	0.57	5.29E-04	3.00E-04	3.00E-04
		Truck Route	1.78	1.48E-07	2.63E-07	
Total DPM concentrations used for Cancer Risk and Chronic Hazard calculations						
PM _{2.5}	2025	On-Site Emissions	0.51	2.98E-03	1.51E-03	1.61E-03
		Truck Route	1.82	5.55E-05	1.01E-04	
	2026	On-Site Emissions	0.51	3.51E-04	1.77E-04	2.10E-04
		Truck Route	1.82	1.82E-05	3.31E-05	
	2027	On-Site Emissions	0.51	5.07E-04	2.56E-04	3.07E-04
		Truck Route	1.82	2.79E-05	5.09E-05	
Maximum Annual PM_{2.5} Concentration						0.002

MEIS UTM coordinates: 610352.99E, 4131985.78N

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

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

**Table C8
MEIS-Rocketship Mosaic Elementary Health Risk Calculations**

Source (a)	MEIW Conc. ($\mu\text{g}/\text{m}^3$) (b)	Weight Fraction (c)	Contaminant (d)	URF ($\mu\text{g}/\text{m}^3$) ⁻¹ (e)	CPF ($\text{mg}/\text{kg}/\text{day}$) ⁻¹ (f)	Dose (by age bin)	Carcinogenic Risks (by age bin)	Total Cancer Risk per million (i)	Chronic Hazards ³		
						Student 2 < 9 years	Student 2 < 9 years		REL	RESP	
						($\text{mg}/\text{kg}/\text{day}$) (g)	per million (h)		($\mu\text{g}/\text{m}^3$) (j)	(k)	
Student Receptors - Unmitigated											
2025	On & Off	3.00E-03	1.00E+00	DPM	3.0E-04	1.1E+00	9.47E-07	2.50E-02	2.50E-02	5.0E+00	6.00E-04
2026	Site	1.53E-03					4.82E-07	2.17E-02	2.17E-02	5.0E+00	3.06E-04
2027	Emissions	1.88E-03					5.93E-07	5.42E-03	5.42E-03	5.0E+00	3.76E-04
									Total	0.05	0.001
Student Receptors - Mitigated Run: Tier 4 Final Engines for Diesel-Powered Equipment >50 Horsepower, Level 3 Diesel Particulate Filters for Diesel-Powered Equipment ≤ 50 Horsepower, 3x Daily Watering, and 2x Daily Water for Demolition											
2025	On & Off	3.36E-04	1.00E+00	DPM	3.0E-04	1.1E+00	1.06E-07	2.80E-03	2.80E-03	5.0E+00	6.72E-05
2026	Site	2.07E-04					6.53E-08	2.94E-03	2.94E-03	5.0E+00	4.14E-05
2027	Emissions	3.00E-04					9.48E-08	8.66E-04	8.66E-04	6.0E+00	6.01E-05
MEIS UTM coordinates: 610352.99E, 4131985.78N									Total	0.007	0.0002

	OEHHA age bin	Students
	exposure year(s)	2<9 years
Dose Exposure Factors:	exposure frequency (days/year)	180
	8-hour inhalation rate (L/kg-day) ¹	640
	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

exposure durations per age bin			
Construction Year	Duration ²	2<9 years	
2025	0.59	0.59	
2026	1.00	1.00	
2027	0.20	0.20	
Total	1.79	1.79	

¹ Inhalation rate taken as the 8-hour 95th percentile breathing rates, Moderate Activity (OEHHA, 2015).

² Construction duration determined for each year of construction 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.