
APPENDIX C-2.
HEALTH RISK SCREENING LETTER

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September 26, 2022

Lennar Homes
16465 Via Esprillo, Suite 150
San Diego, CA 92127

RE: Piraeus Point Development – Health Risk Screening Letter City of Encinitas CA

The purpose of this Air Quality Health Risk screening letter is to identify potential health risks at the proposed project site from Diesel Particulate Matter (DPM) originating from Interstate-5 (I-5). The Project proposes to construct 149 multi-family residential units on a 6.88 acre development located east of I-5 between La Costa Avenue and Leucadia Boulevard within the City of Encinitas.

This health risk analysis uses the California Office of Environmental Health Hazard Assessment (OEHHA) methodologies (Office of Environmental Health Hazard Assessment, 2015) as outlined by the California Air Pollution Control Officers Association (CAPCOA, July 2009). Health risk impacts are generally broken up into two various types. Type A project: are projects which have the potential to emit toxic emissions and have the potential to impact nearby receptor. Type B projects: place receptors in the vicinity of existing toxic sources like freeways, high traffic roads or rail yards. Based on this information the proposed project is classified as Type B.

Projects within the San Diego County air basin are generally regulated by San Diego Air Pollution Control District (SDAPCD). For Type A projects, significance thresholds have been established under SDAPCDs "Hot Spots" and permitting program (SDAPCD Rule 1200 and 1210). Under this program, excess cancer risk significance threshold is set at **10 in a million** and acute and chronic, non-carcinogenic health effect, a hazard index of **one** must not be exceeded.

For Type B projects, there are no clear significance thresholds. California Environmental Quality Act (CEQA) statutes encourage an air district or any lead agency to establish Type B significance thresholds under CEQA for any pollutant. While there are considerations that support the establishment of thresholds, there is no obligation to do so. Significance thresholds for Type B projects within the City of Encinitas and the County of San Diego have also not been defined. According to CAPCOA Air districts have historically recommended CEQA thresholds for air pollutants in the context of the air district's clean air attainment plan, or (in the case of toxic air pollutants) within the framework of a rule or policy that manages risks and exposures due to toxic pollutants such as SDAPCDs Rule 1200 and 1210 for Type A projects above. For purposes of this analysis significance thresholds will be assumed to be those of the "Hot Spot" program

discussed above. In addition, these thresholds would be generally applied to living conditions within a home.

Cancer risk calculations are based on a 70 year lifetime exposure. In some limited cases, it may be appropriate to also use between 9 to 40 years exposure in the calculation. The 9 year exposure scenario is based on exposure to children during the first 9 years of life. Some districts use the 9 year exposure scenario to model short term projects. (CAPCOA, July 2009). For purposes of this analysis, it is reasonable to assume a 30 year duration though a 70 year duration is also reported.

For purposes of modeling, AERMOD was used for air quality dispersion modeling and is the preferred/recommended U.S. Environmental Protection Agency (EPA) model for roadway modeling. The software has the ability to incorporate meteorological inputs as well as multiple source and receptor locations and is now used throughout the world. The model input/output is shown in ***Attachment A*** to this letter.

The project is adjacent to I-5 between the off ramp of La Costa Avenue and Leucadia Boulevard. According to Caltrans, the annual average daily trips are 213,000 AADT (CALTRANS, 2020). Using the California Air Resource Boards EMFAC 2017 web database model, Emission rates for a 2025 calendar Year having mixed vehicle categories, aggregated vehicle model years and speeds matching I-5 were downloaded. The emission rates for each vehicle type were then categorized in terms of Categorized Vehicle Miles Traveled (VMT) divided by Total fleet VMT. The data is further broken down into only Diesel particulates which are then used as inputs to AERMOD. From this data I-5 would generate 0.0013 grams/second of diesel particulates over the modeled segment. The EMFAC Model and Normalization calculations are shown in ***Attachment B*** to this letter.

Modeling at the site included coordinates for I-5 represented by multiple volume sources used by AERMOD to calculate roadway emissions and are identified as red squares, yellow points which represents a receptor matrix made up of gridded (computer generated) and discreet (manually selected) receptors which is used by AERMOD to calculate emission values for contour and discreet outputs.

A graphical representation of the modeling locations is shown on a site aerial below in Figure 1 on the following page and again in Figure 2 which also shows the descriptive discreet receptors locations around the facility on Page 4 of this report which provide. The modeled output plot from AERMOD is shown in Figure 3 on Page 5 of this report. Also, four (4) discreet receptors were selected at building facades and have been reported separately within AERMOD outputs for easier viewing and are summarized in Table 1 on Page 6 of this report.

Figure 1: Modeling Graphical Layout



Figure 2: Discreet Receptor Locations



Figure 3: Modeling Graphical DPM Concentration Output

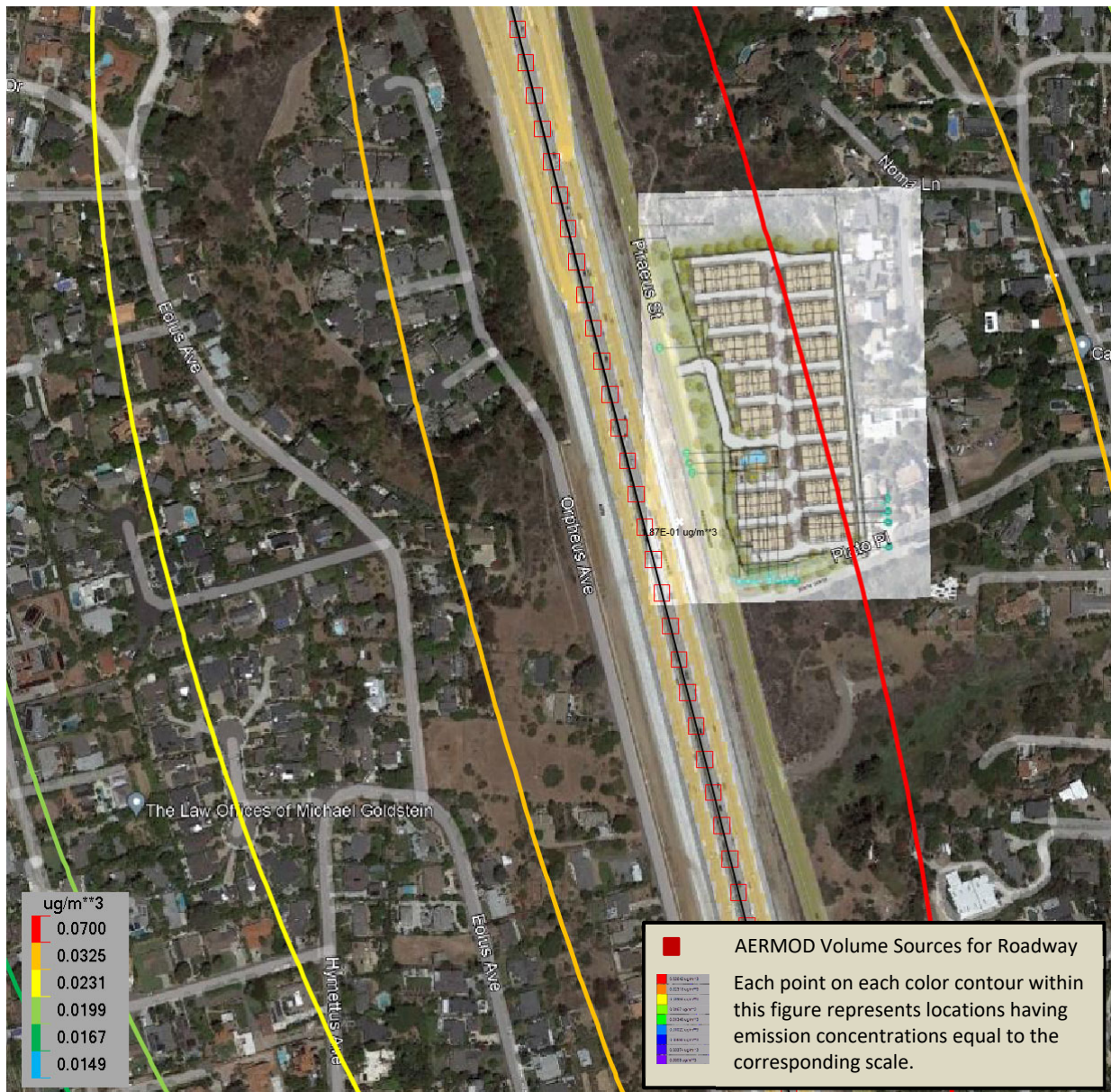


Table 1: Unmitigated DPM Concentrations at each Receptor

Receptor #	Discreet Receptor AERMOD Name	Concentration (µg/m ³)
1	R1	0.101
2	R2	0.103
3	R3	0.115
4	R4	0.079

Once the dispersed concentrations of diesel particulates are estimated in the surrounding air, they are used to evaluate estimated exposure to people.

Cancer Risk Exposure is evaluated by calculating the dose in milligrams per kilogram body weight per day (mg/kg/d). For residential exposure, the breathing rates are determined for specific age groups, so inhalation dose (Dose-air) is calculated for each of these age groups, 3rd trimester, 0<2, 2<9, 2<16, 16<30 and 16-70 years. The following algorithms calculate this dose for exposure through the inhalation pathways. The worst case cancer risk dose calculation is defined in Equation 1 below (OEHHA, 2015):

Equation 1

$$Dose_{air} = C_{air} * (BR/BW) * A * EF * (1 \times 10^{-6})$$

Dose _{air}	=	Dose through inhalation (mg/kg/d)
C _{air}	=	Concentration in air (µg/m ³) Annual average DPM concentration in µg/m ³ – AERMOD
BR/BW	=	Daily average breathing rates normalized to body weight (L/kg BW-day).
A	=	Inhalation absorption factor (assumed to be 1)
EF	=	Exposure frequency (unitless, days/365 days)
1x10 ⁻⁶	=	Milligrams to micrograms conversion (10 ⁻³ mg/ µg), cubic meters to liters conversion (10 ⁻³ m ³ /l)

Once the dose is determined then you must calculate the cancer risk. The average daily inhalation dose (mg/kg-day) multiplied by the cancer potency factor (mg/kg-day)⁻¹ will give the inhalation cancer risk (unitless), which is an expression of the chemical's cancer risk during a 70-year lifespan of exposure. For example, an inhalation cancer risk of 5 x 10⁻⁶ is the same as stating that an individual has an estimated probability of developing cancer from their exposure of 5 chances per million people exposed.

Cancer risk is calculated by multiplying the daily inhalation or oral dose, by a cancer potency factor, the age sensitivity factor, the frequency of time spent at home and the exposure duration divided by averaging time, to yield the excess cancer risk. As described below, the excess cancer risk is calculated separately for each age grouping and then summed to yield cancer risk for any

given location. The worst-case cancer risk calculation is defined in Equation 2 below (OEHHA, 2015).

Equation 2
$$RISK_{inh-res} = DOSE_{air} \times CPF \times ASF \times ED/AT \times FAH$$

RISK _{inh-res}	=	Residential inhalation cancer risk
DOSE _{air}	=	Daily inhalation dose (mg/kg-day)
CPF	=	Inhalation cancer potency factor (mg/kg-day ⁻¹)
ASF	=	Age sensitivity factor for a specified age group (unitless)
ED	=	Exposure duration (in years) for a specified age group
AT	=	Averaging time for lifetime cancer risk (years)
FAH	=	Fraction of time spent at home (unitless)

Based on review of the discreet receptors, the highest three emissions at the project site were selected as a means to calculate the worst-case cancer risks at the project exterior façade. The results of the cancer risk calculations which do not account for heating and ventilation air filtration are shown in Table 2 below and are shown in detail in **Attachment C** to this report. Based on these calculations, cancer risks would exceed 10 per one million exposed and could be considered a significant impact.

Table 2: Cancer Risk at Worst-Case Outdoor Receptors (Unmitigated)

Receptor	C _i	Cancer Risk (30 Years)	Cancer Risk (70 Years)	Impact
R1	0.101	42.1	54.1	Yes
R2	0.103	42.7	55.6	Yes
R3	0.115	47.5	61.8	Yes
R4	0.079	32.9	42.8	Yes
C _i annual inputs from AERMOD at building facade. Cancer Risk = DOSE _{air} × CPF × ASF × ED/AT × FAH				

These risks would likely be lower within the interior of the residential units where residents will likely be spending most of their time since new homes have tighter building envelopes and better heating and ventilation systems compatible with energy efficient designs. Typical indoor air filtration systems used within today's heating and ventilation systems have a Minimum Efficiency Reporting Value (MERV) rating which is used to describe how well a particular filtration media removes particles from the air.

In a study funded by CARB, the Lawrence Berkeley National Laboratory found that MERV 16 filtration on a supply ventilation system reduced PM_{2.5} by 96-97% and ultrafine particles (UFP) by 97-99% relative to outdoors (CARB, 2017) and is recommended for homes with exposure to higher levels of PM_{2.5}. It was found that installing MERV 16 filters as a mitigation measure would reduce exposure within the homes to levels considered less than significant. The expected emissions with MERV 16 filtration installed within the homes is shown in Table 3 below. The mitigated cancer risk calculations using MERV 16 filtration is provide as ***Attachment D*** to this report.

Table 3: Cancer Risk at Worst-Case Indoor Receptors (Mitigated with MERV 16)

Receptor	C _i	Cancer Risk (30 Years)	Cancer Risk (70 Years)	Impact
R1	0.015	1.26	1.62	No
R2	0.012	1.28	1.67	No
R3	0.015	1.43	1.85	No
R4	0.012	0.99	1.28	No

C_i annual inputs from AERMOD at building facade.
Cancer Risk = DOSE_{air} × CPF × ASF × ED/AT × FAH

It is important to note that this assessment serves simply as a disclosure document to provide a characterization of the background emissions that occupants of the proposed project may be exposed to. If you should have any questions regarding this assessment, please do not hesitate to contact me at (760) 473-1253.

Sincerely,
Ldn Consulting, Inc.



Jeremy Loudon

Attachments:

- A: AERMOD
- B: EMFAC 2017 Emission Factors (2025)
- C: Cancer Risk Calculations – Outdoor Facade
- D: Cancer Risk Calculations – MERV 16 Indoor

References:

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06/installation_of_residential_air_filtration_systems_sep.pdf](https://ww2.arb.ca.gov/sites/default/files/2018-06/installation_of_residential_air_filtration_systems_sep.pdf)
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16, 2015, from http://www.oehha.ca.gov/air/hot_spots/index.html

ATTACHMENT A

AERMOD

1 AERMOD PRIME - (DATED 19191)
AERMODPrMSPx VERSION
(C) COPYRIGHT 1998-2017, Trinity Consultants

Run Began on 4/24/2022 at 9:17:09

** BREEZE AERMOD
** Trinity Consultants
** VERSION 10.0

CO STARTING
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CO MODELOPT DFAULT CONC NODRYDPLT NOWETDPLT
CO RUNORNOT RUN
CO AVERTIME ANNUAL
CO POLLUTID PM10
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** TERRFILE C:\USERS\RYAN_000\ONEDRIVE\LDNWOR~1\17-903~1\AERMOD\NEDU17~1\NEDU17991156.TIF 2 0 WGS84 11 0 486620.4 3617040.8 486627.8 3622511.1
491372.6 3622505.8 491367.9 3617035.5
** AMPPTYPE NED
** AMPDATUM 3
** AMPZONE 11
** AMPHEMISPHERE N

```

```
** PROJECTIONWKT
PROJCS["UTM_4326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1984",6378137,298.257223563],TOWGS84[0,0,0,0,0,0,0]],PRIMEM["Greenwich",0],UNIT["Degree",0.0174532925199433]],PROJECTION["Universal_Transverse_Mercator"],PARAMETER["Zone",11],UNIT["Meter",1,AUTHORITY["EPSG","9001"]]
]]
** PROJECTION UTM
** DATUM WGE
** UNITS METER
** ZONE 11
** HEMISPHERE N
** ORIGINLON 0
** ORIGINLAT 0
** PARALLEL1 0
** PARALLEL2 0
** AZIMUTH 0
** SCALEFACT 0
** FALSEEAST 0
** FALSENORTH 0

** POSTFMT UNFORM
** TEMPLATE UserDefined
** AERMODEXE AERMOD_BREEZE_19191_64.EXE
** AERMAPEXE AERMAP_EPA_11103.EXE
```

*** Message Summary For AERMOD Model Setup ***

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

```
A Total of      0 Fatal Error Message(s)
A Total of      1 Warning Message(s)
A Total of      0 Informational Message(s)
```

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

***** WARNING MESSAGES *****
MX W403 3562 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data

*** SETUP Finishes Successfully ***

```
▲ *** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** *** 09:17:09
*** MODELSETS: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 1
```

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses RURAL Dispersion Only.

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.

**Other Options Specified:
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM10

**Model Calculates ANNUAL Averages Only

```
**This Run Includes: 50 Source(s); 1 Source Group(s); and 1685 Receptor(s)

with: 0 POINT(s), including 0 POINTCAP(s) and 0 POINTHOR(s)
and: 50 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)
```

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

**The AERMET Input Meteorological Data Version Date: 15181

**Output Options Selected:
Model Outputs Tables of ANNUAL Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 116.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.7 MB of RAM.

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

▲ *** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** 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
ESLRT04R	0	0.27000E-04	472187.5	3660614.7	0.0	3.00	11.63	2.79	NO	
ESLRT04S	0	0.27000E-04	472195.4	3660591.0	0.0	3.00	11.63	2.79	NO	
ESLRT04T	0	0.27000E-04	472203.3	3660567.3	0.0	3.00	11.63	2.79	NO	
ESLRT04U	0	0.27000E-04	472211.2	3660543.6	0.0	3.00	11.63	2.79	NO	
ESLRT04V	0	0.27000E-04	472218.8	3660519.7	0.0	3.00	11.63	2.79	NO	
ESLRT04W	0	0.27000E-04	472225.2	3660495.6	0.0	3.00	11.63	2.79	NO	
ESLRT04X	0	0.27000E-04	472231.6	3660471.4	0.0	3.00	11.63	2.79	NO	
ESLRT04Y	0	0.27000E-04	472238.0	3660447.3	0.0	3.00	11.63	2.79	NO	
ESLRT04Z	0	0.27000E-04	472244.4	3660423.1	0.0	3.00	11.63	2.79	NO	
ESLRT050	0	0.27000E-04	472250.8	3660398.9	0.0	3.00	11.63	2.79	NO	
ESLRT051	0	0.27000E-04	472257.2	3660374.8	0.0	3.00	11.63	2.79	NO	
ESLRT052	0	0.27000E-04	472263.4	3660350.5	0.0	3.00	11.63	2.79	NO	
ESLRT053	0	0.27000E-04	472269.5	3660326.3	0.0	3.00	11.63	2.79	NO	
ESLRT054	0	0.27000E-04	472275.7	3660302.1	0.0	3.00	11.63	2.79	NO	
ESLRT055	0	0.27000E-04	472281.8	3660277.8	0.0	3.00	11.63	2.79	NO	
ESLRT056	0	0.27000E-04	472288.0	3660253.6	0.0	3.00	11.63	2.79	NO	
ESLRT057	0	0.27000E-04	472294.1	3660229.4	0.0	3.00	11.63	2.79	NO	
ESLRT058	0	0.27000E-04	472300.3	3660205.1	0.0	3.00	11.63	2.79	NO	
ESLRT059	0	0.27000E-04	472306.4	3660180.9	0.0	3.00	11.63	2.79	NO	
ESLRT05A	0	0.27000E-04	472312.6	3660156.7	0.0	3.00	11.63	2.79	NO	
ESLRT05B	0	0.27000E-04	472318.7	3660132.4	0.0	3.00	11.63	2.79	NO	
ESLRT05C	0	0.27000E-04	472324.9	3660108.2	0.0	3.00	11.63	2.79	NO	
ESLRT05D	0	0.27000E-04	472331.1	3660084.0	0.0	3.00	11.63	2.79	NO	
ESLRT05E	0	0.27000E-04	472337.4	3660059.8	0.0	3.00	11.63	2.79	NO	
ESLRT05F	0	0.27000E-04	472343.7	3660035.6	0.0	3.00	11.63	2.79	NO	
ESLRT05G	0	0.27000E-04	472349.9	3660011.4	0.0	3.00	11.63	2.79	NO	
ESLRT05H	0	0.27000E-04	472356.2	3659987.2	0.0	3.00	11.63	2.79	NO	
ESLRT05I	0	0.27000E-04	472362.5	3659963.0	0.0	3.00	11.63	2.79	NO	
ESLRT05J	0	0.27000E-04	472368.7	3659938.8	0.0	3.00	11.63	2.79	NO	
ESLRT05K	0	0.27000E-04	472375.0	3659914.6	0.0	3.00	11.63	2.79	NO	
ESLRT05L	0	0.27000E-04	472381.3	3659890.4	0.0	3.00	11.63	2.79	NO	
ESLRT05M	0	0.27000E-04	472387.6	3659866.2	0.0	3.00	11.63	2.79	NO	
ESLRT05N	0	0.27000E-04	472393.8	3659842.0	0.0	3.00	11.63	2.79	NO	
ESLRT05O	0	0.27000E-04	472400.1	3659817.8	0.0	3.00	11.63	2.79	NO	
ESLRT05P	0	0.27000E-04	472406.3	3659793.6	0.0	3.00	11.63	2.79	NO	
ESLRT05Q	0	0.27000E-04	472412.5	3659769.4	0.0	3.00	11.63	2.79	NO	
ESLRT05R	0	0.27000E-04	472418.6	3659745.1	0.0	3.00	11.63	2.79	NO	
ESLRT05S	0	0.27000E-04	472424.7	3659720.9	0.0	3.00	11.63	2.79	NO	
ESLRT05T	0	0.27000E-04	472430.9	3659696.6	0.0	3.00	11.63	2.79	NO	
ESLRT05U	0	0.27000E-04	472437.0	3659672.4	0.0	3.00	11.63	2.79	NO	

▲ *** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
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*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** 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
ESLRT05V	0	0.27000E-04	472443.1	3659648.2	0.0	3.00	11.63	2.79	NO	
ESLRT05W	0	0.27000E-04	472449.3	3659623.9	0.0	3.00	11.63	2.79	NO	
ESLRT05X	0	0.27000E-04	472455.4	3659599.7	0.0	3.00	11.63	2.79	NO	
ESLRT05Y	0	0.27000E-04	472461.5	3659575.5	0.0	3.00	11.63	2.79	NO	
ESLRT05Z	0	0.27000E-04	472467.7	3659551.2	0.0	3.00	11.63	2.79	NO	

E5LRT060 0 0.27000E-04 472473.8 3659527.0 0.0 3.00 11.63 2.79 NO
E5LRT061 0 0.27000E-04 472479.7 3659502.7 0.0 3.00 11.63 2.79 NO
E5LRT062 0 0.27000E-04 472485.3 3659478.3 0.0 3.00 11.63 2.79 NO
E5LRT063 0 0.27000E-04 472490.8 3659454.0 0.0 3.00 11.63 2.79 NO
E5LRT064 0 0.27000E-04 472496.3 3659429.6 0.0 3.00 11.63 2.79 NO

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5

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*** AERMET - VERSION 15181 ***

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*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V , E5LRT04W , E5LRT04X , E5LRT04Y ,
E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 , E5LRT054 , E5LRT055 , E5LRT056 ,
E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B , E5LRT05C , E5LRT05D , E5LRT05E ,
E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , E5LRT05J , E5LRT05K , E5LRT05L , E5LRT05M ,
E5LRT05N , E5LRT05O , E5LRT05P , E5LRT05Q , E5LRT05R , E5LRT05S , E5LRT05T , E5LRT05U ,
E5LRT05V , E5LRT05W , E5LRT05X , E5LRT05Y , E5LRT05Z , E5LRT060 , E5LRT061 , E5LRT062 ,

E5LRT063 , E5LRT064 ,

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5

*** 04/24/22

*** AERMET - VERSION 15181 ***

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*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

(471692.2, 3659415.0, 0.0, 0.0, 0.0); (471722.2, 3659415.0, 0.0, 0.0, 0.0);
(471752.2, 3659415.0, 0.0, 0.0, 0.0); (471782.2, 3659415.0, 0.0, 0.0, 0.0);
(471812.2, 3659415.0, 0.0, 0.0, 0.0); (471842.2, 3659415.0, 0.0, 0.0, 0.0);
(471872.2, 3659415.0, 0.0, 0.0, 0.0); (471902.2, 3659415.0, 0.0, 0.0, 0.0);
(471932.2, 3659415.0, 0.0, 0.0, 0.0); (471962.2, 3659415.0, 0.0, 0.0, 0.0);
(471992.2, 3659415.0, 0.0, 0.0, 0.0); (472022.2, 3659415.0, 0.0, 0.0, 0.0);
(472052.2, 3659415.0, 0.0, 0.0, 0.0); (472082.2, 3659415.0, 0.0, 0.0, 0.0);
(472112.2, 3659415.0, 0.0, 0.0, 0.0); (472142.2, 3659415.0, 0.0, 0.0, 0.0);
(472172.2, 3659415.0, 0.0, 0.0, 0.0); (472202.2, 3659415.0, 0.0, 0.0, 0.0);
(472232.2, 3659415.0, 0.0, 0.0, 0.0); (472262.2, 3659415.0, 0.0, 0.0, 0.0);
(472292.2, 3659415.0, 0.0, 0.0, 0.0); (472322.2, 3659415.0, 0.0, 0.0, 0.0);
(472352.2, 3659415.0, 0.0, 0.0, 0.0); (472382.2, 3659415.0, 0.0, 0.0, 0.0);
(472412.2, 3659415.0, 0.0, 0.0, 0.0); (472442.2, 3659415.0, 0.0, 0.0, 0.0);
(472472.2, 3659415.0, 0.0, 0.0, 0.0); (472502.2, 3659415.0, 0.0, 0.0, 0.0);
(472532.2, 3659415.0, 0.0, 0.0, 0.0); (472562.2, 3659415.0, 0.0, 0.0, 0.0);
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(472652.2, 3659415.0, 0.0, 0.0, 0.0); (472682.2, 3659415.0, 0.0, 0.0, 0.0);
(472712.2, 3659415.0, 0.0, 0.0, 0.0); (472742.2, 3659415.0, 0.0, 0.0, 0.0);
(472772.2, 3659415.0, 0.0, 0.0, 0.0); (472802.2, 3659415.0, 0.0, 0.0, 0.0);
(472832.2, 3659415.0, 0.0, 0.0, 0.0); (472862.2, 3659415.0, 0.0, 0.0, 0.0);
(472892.2, 3659415.0, 0.0, 0.0, 0.0); (471692.2, 3659445.3, 0.0, 0.0, 0.0);
(471722.2, 3659445.3, 0.0, 0.0, 0.0); (471752.2, 3659445.3, 0.0, 0.0, 0.0);
(471782.2, 3659445.3, 0.0, 0.0, 0.0); (471812.2, 3659445.3, 0.0, 0.0, 0.0);
(471842.2, 3659445.3, 0.0, 0.0, 0.0); (471872.2, 3659445.3, 0.0, 0.0, 0.0);
(471902.2, 3659445.3, 0.0, 0.0, 0.0); (471932.2, 3659445.3, 0.0, 0.0, 0.0);
(471962.2, 3659445.3, 0.0, 0.0, 0.0); (471992.2, 3659445.3, 0.0, 0.0, 0.0);
(472022.2, 3659445.3, 0.0, 0.0, 0.0); (472052.2, 3659445.3, 0.0, 0.0, 0.0);
(472082.2, 3659445.3, 0.0, 0.0, 0.0); (472112.2, 3659445.3, 0.0, 0.0, 0.0);
(472142.2, 3659445.3, 0.0, 0.0, 0.0); (472172.2, 3659445.3, 0.0, 0.0, 0.0);
(472202.2, 3659445.3, 0.0, 0.0, 0.0); (472232.2, 3659445.3, 0.0, 0.0, 0.0);
(472262.2, 3659445.3, 0.0, 0.0, 0.0); (472292.2, 3659445.3, 0.0, 0.0, 0.0);
(472322.2, 3659445.3, 0.0, 0.0, 0.0); (472352.2, 3659445.3, 0.0, 0.0, 0.0);
(472382.2, 3659445.3, 0.0, 0.0, 0.0); (472412.2, 3659445.3, 0.0, 0.0, 0.0);
(472442.2, 3659445.3, 0.0, 0.0, 0.0); (472472.2, 3659445.3, 0.0, 0.0, 0.0);
(472502.2, 3659445.3, 0.0, 0.0, 0.0); (472532.2, 3659445.3, 0.0, 0.0, 0.0);
(472562.2, 3659445.3, 0.0, 0.0, 0.0); (472592.2, 3659445.3, 0.0, 0.0, 0.0);
(472622.2, 3659445.3, 0.0, 0.0, 0.0); (472652.2, 3659445.3, 0.0, 0.0, 0.0);
(472682.2, 3659445.3, 0.0, 0.0, 0.0); (472712.2, 3659445.3, 0.0, 0.0, 0.0);
(472742.2, 3659445.3, 0.0, 0.0, 0.0); (472772.2, 3659445.3, 0.0, 0.0, 0.0);
(472802.2, 3659445.3, 0.0, 0.0, 0.0); (472832.2, 3659445.3, 0.0, 0.0, 0.0);
(472862.2, 3659445.3, 0.0, 0.0, 0.0); (472892.2, 3659445.3, 0.0, 0.0, 0.0);
(471692.2, 3659475.6, 0.0, 0.0, 0.0); (471722.2, 3659475.6, 0.0, 0.0, 0.0);
(471752.2, 3659475.6, 0.0, 0.0, 0.0); (471782.2, 3659475.6, 0.0, 0.0, 0.0);
(471812.2, 3659475.6, 0.0, 0.0, 0.0); (471842.2, 3659475.6, 0.0, 0.0, 0.0);
(471872.2, 3659475.6, 0.0, 0.0, 0.0); (471902.2, 3659475.6, 0.0, 0.0, 0.0);

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5

*** 04/24/22

*** AERMET - VERSION 15181 ***

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*** MODELOPTs: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)

(METERS)

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*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** *** 09:17:09
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*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** *** 09:17:09
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*** MODELOPTs:  RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
```

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

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[illegible]

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*** AERMOD - VERSION 19191 *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** PAGE 9

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*** MODELOPTs:  RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
```

```

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

```

(472652.2, 3659657.4, 0.0, 0.0, 0.0);	(472682.2, 3659657.4, 0.0, 0.0, 0.0);
(472712.2, 3659657.4, 0.0, 0.0, 0.0);	(472742.2, 3659657.4, 0.0, 0.0, 0.0);
(472722.2, 3659657.4, 0.0, 0.0, 0.0);	(472802.2, 3659657.4, 0.0, 0.0, 0.0);
(472832.2, 3659657.4, 0.0, 0.0, 0.0);	(472862.2, 3659657.4, 0.0, 0.0, 0.0);
(472892.2, 3659657.4, 0.0, 0.0, 0.0);	(471692.2, 3659687.7, 0.0, 0.0, 0.0);
(471722.2, 3659687.7, 0.0, 0.0, 0.0);	(471752.2, 3659687.7, 0.0, 0.0, 0.0);
(471782.2, 3659687.7, 0.0, 0.0, 0.0);	(471812.2, 3659687.7, 0.0, 0.0, 0.0);
(471842.2, 3659687.7, 0.0, 0.0, 0.0);	(471872.2, 3659687.7, 0.0, 0.0, 0.0);
(471902.2, 3659687.7, 0.0, 0.0, 0.0);	(471932.2, 3659687.7, 0.0, 0.0, 0.0);
(471962.2, 3659687.7, 0.0, 0.0, 0.0);	(471992.2, 3659687.7, 0.0, 0.0, 0.0);
(472022.2, 3659687.7, 0.0, 0.0, 0.0);	(472052.2, 3659687.7, 0.0, 0.0, 0.0);
(472082.2, 3659687.7, 0.0, 0.0, 0.0);	(472112.2, 3659687.7, 0.0, 0.0, 0.0);
(472142.2, 3659687.7, 0.0, 0.0, 0.0);	(472172.2, 3659687.7, 0.0, 0.0, 0.0);
(472202.2, 3659687.7, 0.0, 0.0, 0.0);	(472232.2, 3659687.7, 0.0, 0.0, 0.0);
(472262.2, 3659687.7, 0.0, 0.0, 0.0);	(472292.2, 3659687.7, 0.0, 0.0, 0.0);
(472322.2, 3659687.7, 0.0, 0.0, 0.0);	(472352.2, 3659687.7, 0.0, 0.0, 0.0);
(472382.2, 3659687.7, 0.0, 0.0, 0.0);	(472412.2, 3659687.7, 0.0, 0.0, 0.0);
(472442.2, 3659687.7, 0.0, 0.0, 0.0);	(472472.2, 3659687.7, 0.0, 0.0, 0.0);
(472502.2, 3659687.7, 0.0, 0.0, 0.0);	(472532.2, 3659687.7, 0.0, 0.0, 0.0);
(472562.2, 3659687.7, 0.0, 0.0, 0.0);	(472592.2, 3659687.7, 0.0, 0.0, 0.0);
(472622.2, 3659687.7, 0.0, 0.0, 0.0);	(472652.2, 3659687.7, 0.0, 0.0, 0.0);


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*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** PAGE 12

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*** MODELOPTs:  RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
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[illegible]

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*** MODELOPTs:  RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
```

(472622.2, 3659990.7, 0.0, 0.0, 0.0);	(472652.2, 3659990.7, 0.0, 0.0, 0.0);
(472682.2, 3659990.7, 0.0, 0.0, 0.0);	(472712.2, 3659990.7, 0.0, 0.0, 0.0);
(472742.2, 3659990.7, 0.0, 0.0, 0.0);	(472772.2, 3659990.7, 0.0, 0.0, 0.0);
(472802.2, 3659990.7, 0.0, 0.0, 0.0);	(472832.2, 3659990.7, 0.0, 0.0, 0.0);
(472862.2, 3659990.7, 0.0, 0.0, 0.0);	(472892.2, 3659990.7, 0.0, 0.0, 0.0);
(471692.2, 3660021.0, 0.0, 0.0, 0.0);	(471722.2, 3660021.0, 0.0, 0.0, 0.0);
(471752.2, 3660021.0, 0.0, 0.0, 0.0);	(471782.2, 3660021.0, 0.0, 0.0, 0.0);
(471812.2, 3660021.0, 0.0, 0.0, 0.0);	(471842.2, 3660021.0, 0.0, 0.0, 0.0);
(471872.2, 3660021.0, 0.0, 0.0, 0.0);	(471902.2, 3660021.0, 0.0, 0.0, 0.0);
(471932.2, 3660021.0, 0.0, 0.0, 0.0);	(471962.2, 3660021.0, 0.0, 0.0, 0.0);
(471992.2, 3660021.0, 0.0, 0.0, 0.0);	(472022.2, 3660021.0, 0.0, 0.0, 0.0);
(472052.2, 3660021.0, 0.0, 0.0, 0.0);	(472082.2, 3660021.0, 0.0, 0.0, 0.0);
(472112.2, 3660021.0, 0.0, 0.0, 0.0);	(472142.2, 3660021.0, 0.0, 0.0, 0.0);
(472172.2, 3660021.0, 0.0, 0.0, 0.0);	(472202.2, 3660021.0, 0.0, 0.0, 0.0);
(472232.2, 3660021.0, 0.0, 0.0, 0.0);	(472262.2, 3660021.0, 0.0, 0.0, 0.0);
(472292.2, 3660021.0, 0.0, 0.0, 0.0);	(472322.2, 3660021.0, 0.0, 0.0, 0.0);
(472352.2, 3660021.0, 0.0, 0.0, 0.0);	(472382.2, 3660021.0, 0.0, 0.0, 0.0);
(472412.2, 3660021.0, 0.0, 0.0, 0.0);	(472442.2, 3660021.0, 0.0, 0.0, 0.0);
(472472.2, 3660021.0, 0.0, 0.0, 0.0);	(472502.2, 3660021.0, 0.0, 0.0, 0.0);
(472532.2, 3660021.0, 0.0, 0.0, 0.0);	(472562.2, 3660021.0, 0.0, 0.0, 0.0);
(472592.2, 3660021.0, 0.0, 0.0, 0.0);	(472622.2, 3660021.0, 0.0, 0.0, 0.0);
(472652.2, 3660021.0, 0.0, 0.0, 0.0);	(472682.2, 3660021.0, 0.0, 0.0, 0.0);
(472712.2, 3660021.0, 0.0, 0.0, 0.0);	(472742.2, 3660021.0, 0.0, 0.0, 0.0);
(472772.2, 3660021.0, 0.0, 0.0, 0.0);	(472802.2, 3660021.0, 0.0, 0.0, 0.0);
(472832.2, 3660021.0, 0.0, 0.0, 0.0);	(472862.2, 3660021.0, 0.0, 0.0, 0.0);
(472892.2, 3660021.0, 0.0, 0.0, 0.0);	(471692.2, 3660051.3, 0.0, 0.0, 0.0);
(471722.2, 3660051.3, 0.0, 0.0, 0.0);	(471752.2, 3660051.3, 0.0, 0.0, 0.0);

(471872.2, 3660142.2, 0.0, 0.0, 0.0);	(471982.2, 3660142.2, 0.0, 0.0, 0.0);
(471932.2, 3660142.2, 0.0, 0.0, 0.0);	(471962.2, 3660142.2, 0.0, 0.0, 0.0);
(471992.2, 3660142.2, 0.0, 0.0, 0.0);	(472022.2, 3660142.2, 0.0, 0.0, 0.0);
(472052.2, 3660142.2, 0.0, 0.0, 0.0);	(472082.2, 3660142.2, 0.0, 0.0, 0.0);
(472112.2, 3660142.2, 0.0, 0.0, 0.0);	(472142.2, 3660142.2, 0.0, 0.0, 0.0);
(472172.2, 3660142.2, 0.0, 0.0, 0.0);	(472202.2, 3660142.2, 0.0, 0.0, 0.0);
(472232.2, 3660142.2, 0.0, 0.0, 0.0);	(472262.2, 3660142.2, 0.0, 0.0, 0.0);
(472292.2, 3660142.2, 0.0, 0.0, 0.0);	(472322.2, 3660142.2, 0.0, 0.0, 0.0);
(472352.2, 3660142.2, 0.0, 0.0, 0.0);	(472382.2, 3660142.2, 0.0, 0.0, 0.0);
(472412.2, 3660142.2, 0.0, 0.0, 0.0);	(472442.2, 3660142.2, 0.0, 0.0, 0.0);
(472472.2, 3660142.2, 0.0, 0.0, 0.0);	(472502.2, 3660142.2, 0.0, 0.0, 0.0);

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*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** *** 09:17:09
*** PAGE 17

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
```

```

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

```

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*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** *** 09:17:09
*** *** PAGE 18

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```
*** MODELOPTs:  RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
```

(METERS)

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*** AERMOD - VERSION 19191 ***      *** PM10 Exhaust I-5 ***      04/24/22
*** AERMET - VERSION 15181 ***      ***      ***      09:17:09

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(METERS)

[illegible]

```

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

```

```
*** MODELOPTs:      RegDFault  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
```

```

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

```

(471842.2, 3660475.5, 0.0, 0.0, 0.0);	(471872.2, 3660475.5, 0.0, 0.0, 0.0);
(471902.2, 3660475.5, 0.0, 0.0, 0.0);	(471932.2, 3660475.5, 0.0, 0.0, 0.0);
(471962.2, 3660475.5, 0.0, 0.0, 0.0);	(471992.2, 3660475.5, 0.0, 0.0, 0.0);
(472022.2, 3660475.5, 0.0, 0.0, 0.0);	(472052.2, 3660475.5, 0.0, 0.0, 0.0);
(472082.2, 3660475.5, 0.0, 0.0, 0.0);	(472112.2, 3660475.5, 0.0, 0.0, 0.0);
(472142.2, 3660475.5, 0.0, 0.0, 0.0);	(472172.2, 3660475.5, 0.0, 0.0, 0.0);
(472202.2, 3660475.5, 0.0, 0.0, 0.0);	(472232.2, 3660475.5, 0.0, 0.0, 0.0);
(472262.2, 3660475.5, 0.0, 0.0, 0.0);	(472292.2, 3660475.5, 0.0, 0.0, 0.0);
(472322.2, 3660475.5, 0.0, 0.0, 0.0);	(472352.2, 3660475.5, 0.0, 0.0, 0.0);
(472382.2, 3660475.5, 0.0, 0.0, 0.0);	(472412.2, 3660475.5, 0.0, 0.0, 0.0);
(472442.2, 3660475.5, 0.0, 0.0, 0.0);	(472472.2, 3660475.5, 0.0, 0.0, 0.0);
(472502.2, 3660475.5, 0.0, 0.0, 0.0);	(472532.2, 3660475.5, 0.0, 0.0, 0.0);
(472562.2, 3660475.5, 0.0, 0.0, 0.0);	(472592.2, 3660475.5, 0.0, 0.0, 0.0);
(472622.2, 3660475.5, 0.0, 0.0, 0.0);	(472652.2, 3660475.5, 0.0, 0.0, 0.0);
(472682.2, 3660475.5, 0.0, 0.0, 0.0);	(472712.2, 3660475.5, 0.0, 0.0, 0.0);
(472742.2, 3660475.5, 0.0, 0.0, 0.0);	(472772.2, 3660475.5, 0.0, 0.0, 0.0);
(472802.2, 3660475.5, 0.0, 0.0, 0.0);	(472832.2, 3660475.5, 0.0, 0.0, 0.0);

(472322.2, 3660596.7, 0.0, 0.0, 0.0); (472352.2, 3660596.7, 0.0, 0.0, 0.0);

(472382.2, 3660596.7, 0.0, 0.0, 0.0);	(472412.2, 3660596.7, 0.0, 0.0, 0.0);
(472442.2, 3660596.7, 0.0, 0.0, 0.0);	(472472.2, 3660596.7, 0.0, 0.0, 0.0);
(472502.2, 3660596.7, 0.0, 0.0, 0.0);	(472532.2, 3660596.7, 0.0, 0.0, 0.0);
(472562.2, 3660596.7, 0.0, 0.0, 0.0);	(472592.2, 3660596.7, 0.0, 0.0, 0.0);
(472622.2, 3660596.7, 0.0, 0.0, 0.0);	(472652.2, 3660596.7, 0.0, 0.0, 0.0);
(472682.2, 3660596.7, 0.0, 0.0, 0.0);	(472712.2, 3660596.7, 0.0, 0.0, 0.0);
(472742.2, 3660596.7, 0.0, 0.0, 0.0);	(472772.2, 3660596.7, 0.0, 0.0, 0.0);
(472802.2, 3660596.7, 0.0, 0.0, 0.0);	(472832.2, 3660596.7, 0.0, 0.0, 0.0);
(472862.2, 3660596.7, 0.0, 0.0, 0.0);	(472892.2, 3660596.7, 0.0, 0.0, 0.0);
(471692.2, 3660627.0, 0.0, 0.0, 0.0);	(471722.2, 3660627.0, 0.0, 0.0, 0.0);
(471752.2, 3660627.0, 0.0, 0.0, 0.0);	(471782.2, 3660627.0, 0.0, 0.0, 0.0);
(471812.2, 3660627.0, 0.0, 0.0, 0.0);	(471842.2, 3660627.0, 0.0, 0.0, 0.0);
(471872.2, 3660627.0, 0.0, 0.0, 0.0);	(471902.2, 3660627.0, 0.0, 0.0, 0.0);
(471932.2, 3660627.0, 0.0, 0.0, 0.0);	(471962.2, 3660627.0, 0.0, 0.0, 0.0);
(471992.2, 3660627.0, 0.0, 0.0, 0.0);	(472022.2, 3660627.0, 0.0, 0.0, 0.0);
(472052.2, 3660627.0, 0.0, 0.0, 0.0);	(472082.2, 3660627.0, 0.0, 0.0, 0.0);
(472112.2, 3660627.0, 0.0, 0.0, 0.0);	(472142.2, 3660627.0, 0.0, 0.0, 0.0);
(472172.2, 3660627.0, 0.0, 0.0, 0.0);	(472202.2, 3660627.0, 0.0, 0.0, 0.0);
(472232.2, 3660627.0, 0.0, 0.0, 0.0);	(472262.2, 3660627.0, 0.0, 0.0, 0.0);
(472292.2, 3660627.0, 0.0, 0.0, 0.0);	(472322.2, 3660627.0, 0.0, 0.0, 0.0);
(472352.2, 3660627.0, 0.0, 0.0, 0.0);	(472382.2, 3660627.0, 0.0, 0.0, 0.0);
(472412.2, 3660627.0, 0.0, 0.0, 0.0);	(472442.2, 3660627.0, 0.0, 0.0, 0.0);
(472472.2, 3660627.0, 0.0, 0.0, 0.0);	(472502.2, 3660627.0, 0.0, 0.0, 0.0);
(472532.2, 3660627.0, 0.0, 0.0, 0.0);	(472562.2, 3660627.0, 0.0, 0.0, 0.0);
(472592.2, 3660627.0, 0.0, 0.0, 0.0);	(472622.2, 3660627.0, 0.0, 0.0, 0.0);
(472652.2, 3660627.0, 0.0, 0.0, 0.0);	(472682.2, 3660627.0, 0.0, 0.0, 0.0);
(472712.2, 3660627.0, 0.0, 0.0, 0.0);	(472742.2, 3660627.0, 0.0, 0.0, 0.0);
(472772.2, 3660627.0, 0.0, 0.0, 0.0);	(472802.2, 3660627.0, 0.0, 0.0, 0.0);
(472832.2, 3660627.0, 0.0, 0.0, 0.0);	(472862.2, 3660627.0, 0.0, 0.0, 0.0);
(472892.2, 3660627.0, 0.0, 0.0, 0.0);	

*** AERMOD - VERSION 19191 *** PM10 Exhaust I-5
 *** AERMET - VERSION 15181 ***

*** 04/24/22
 *** 09:17:09
 *** PAGE 24

*** MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

* 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)
ESLRT04R	472172.2 3660596.7	-1.38
ESLRT04R	472202.2 3660596.7	-1.76
ESLRT04R	472172.2 3660627.0	-5.37
ESLRT04R	472202.2 3660627.0	-5.83
ESLRT04S	472202.2 3660566.4	0.52
ESLRT04S	472172.2 3660596.7	-1.11
ESLRT04S	472202.2 3660596.7	-16.13
ESLRT04T	472202.2 3660566.4	-23.58
ESLRT04U	472202.2 3660536.1	-13.28
ESLRT04U	472232.2 3660536.1	-2.70
ESLRT04U	472202.2 3660566.4	-0.49
ESLRT04V	472202.2 3660505.8	-3.35
ESLRT04V	472232.2 3660505.8	-5.69
ESLRT04V	472202.2 3660536.1	-1.67
ESLRT04V	472232.2 3660536.1	-3.82
ESLRT04W	472232.2 3660475.5	-3.72
ESLRT04W	472202.2 3660505.8	0.16
ESLRT04W	472232.2 3660505.8	-12.63
ESLRT04X	472232.2 3660475.5	-20.86
ESLRT04Y	472232.2 3660445.2	-18.83
ESLRT04Y	472262.2 3660445.2	-0.71
ESLRT04Z	472232.2 3660414.9	-10.30
ESLRT04Z	472262.2 3660414.9	-5.40
ESLRT04Z	472232.2 3660445.2	0.24
ESLRT050	472232.2 3660384.6	-1.54
ESLRT050	472262.2 3660384.6	-6.71
ESLRT050	472232.2 3660414.9	-0.47
ESLRT050	472262.2 3660414.9	-5.35
ESLRT051	472262.2 3660354.3	-3.90
ESLRT051	472262.2 3660384.6	-14.00
ESLRT052	472262.2 3660354.3	-21.02
ESLRT053	472262.2 3660324.0	-17.35
ESLRT053	472292.2 3660324.0	-2.18
ESLRT054	472262.2 3660293.7	-9.10
ESLRT054	472292.2 3660293.7	-6.48
ESLRT054	472262.2 3660324.0	0.73
ESLRT055	472262.2 3660263.4	-0.68
ESLRT055	472292.2 3660263.4	-7.24
ESLRT055	472262.2 3660293.7	0.24
ESLRT055	472292.2 3660293.7	-6.00

*** AERMOD - VERSION 19191 *** PM10 Exhaust I-5
 *** AERMET - VERSION 15181 ***

*** 04/24/22
 *** 09:17:09
 *** PAGE 25

*** MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

* 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 XR (METERS)	LOCATION - - YR (METERS)	DISTANCE (METERS)
ESLRT056	472292.2	3660233.1	-4.07
ESLRT056	472292.2	3660263.4	-14.34
ESLRT057	472292.2	3660233.1	-20.84
ESLRT058	472292.2	3660202.8	-16.58
ESLRT058	472322.2	3660202.8	-2.98
ESLRT059	472292.2	3660172.5	-8.50
ESLRT059	472322.2	3660172.5	-7.11
ESLRT05A	472292.2	3660142.2	0.03
ESLRT05A	472322.2	3660142.2	-7.61
ESLRT05A	472292.2	3660172.5	0.80
ESLRT05A	472322.2	3660172.5	-6.51
ESLRT05B	472322.2	3660111.9	-4.20
ESLRT05B	472322.2	3660142.2	-14.59
ESLRT05C	472322.2	3660111.9	-20.42
ESLRT05D	472322.2	3660081.6	-15.78
ESLRT05D	472352.2	3660081.6	-3.76
ESLRT05E	472322.2	3660051.3	-7.58
ESLRT05E	472352.2	3660051.3	-7.93
ESLRT05F	472322.2	3660021.0	0.99
ESLRT05F	472352.2	3660021.0	-8.11
ESLRT05F	472352.2	3660051.3	-7.15
ESLRT05G	472352.2	3659990.7	-4.17
ESLRT05G	472352.2	3660021.0	-15.13
ESLRT05H	472352.2	3659990.7	-19.68
ESLRT05I	472352.2	3659960.4	-14.38
ESLRT05I	472382.2	3659960.4	-5.13
ESLRT05J	472352.2	3659930.1	-6.35
ESLRT05J	472382.2	3659930.1	-8.94
ESLRT05J	472382.2	3659960.4	0.47
ESLRT05K	472382.2	3659899.8	-8.54
ESLRT05K	472382.2	3659930.1	-7.91
ESLRT05L	472382.2	3659869.5	-4.08
ESLRT05L	472382.2	3659899.8	-15.56
ESLRT05M	472382.2	3659869.5	-18.67
ESLRT05M	472412.2	3659869.5	-0.18
ESLRT05N	472382.2	3659839.2	-13.07
ESLRT05N	472412.2	3659839.2	-6.39
ESLRT05O	472382.2	3659808.9	-5.01
ESLRT05O	472412.2	3659808.9	-9.98
ESLRT05O	472412.2	3659839.2	-0.42

*** AERMOD - VERSION 19191 ***
 *** AERMET - VERSION 15181 ***

PM10 Exhaust I-5

 04/24/22
 09:17:09
 PAGE 26

*** MODELOPTs: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

* 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 XR (METERS)	LOCATION - - YR (METERS)	DISTANCE (METERS)
ESLRT05P	472412.2	3659778.6	-8.88
ESLRT05P	472412.2	3659808.9	-8.60
ESLRT05Q	472412.2	3659748.3	-3.90
ESLRT05Q	472412.2	3659778.6	-15.80
ESLRT05R	472412.2	3659748.3	-17.84
ESLRT05R	472442.2	3659748.3	-1.18
ESLRT05S	472412.2	3659718.0	-12.17
ESLRT05S	472442.2	3659718.0	-7.26
ESLRT05T	472412.2	3659687.7	-4.29
ESLRT05T	472442.2	3659687.7	-10.62
ESLRT05T	472442.2	3659718.0	-0.80
ESLRT05U	472442.2	3659657.4	-9.12
ESLRT05U	472442.2	3659687.7	-8.84
ESLRT05V	472442.2	3659627.1	-3.88
ESLRT05V	472442.2	3659657.4	-15.76
ESLRT05W	472442.2	3659627.1	-17.21
ESLRT05W	472472.2	3659627.1	-1.88
ESLRT05X	472442.2	3659596.8	-11.49
ESLRT05X	472472.2	3659596.8	-7.95
ESLRT05Y	472442.2	3659566.5	-3.70
ESLRT05Y	472472.2	3659566.5	-11.02
ESLRT05Y	472472.2	3659596.8	-1.16
ESLRT05Z	472472.2	3659536.2	-9.34
ESLRT05Z	472472.2	3659566.5	-9.05
ESLRT060	472472.2	3659505.9	-3.84
ESLRT060	472472.2	3659536.2	-15.66
ESLRT061	472472.2	3659505.9	-16.85
ESLRT061	472502.2	3659505.9	-2.27
ESLRT062	472472.2	3659475.6	-11.62
ESLRT062	472502.2	3659475.6	-7.89
ESLRT063	472472.2	3659445.3	-4.47
ESLRT063	472502.2	3659445.3	-10.66
ESLRT063	472502.2	3659475.6	-0.58
ESLRT064	472502.2	3659415.0	-9.25
ESLRT064	472502.2	3659445.3	-8.23

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*** MODELOPTs:  RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
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[illegible]

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

```
*** MODELOPTs:  RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
```

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Surface file: C:\Users\ryan\OneDrive\LDN One Drive 2\City of Encinitas\22-08 Piraeus Townhomes Met Version: 15181
Profile file: C:\Users\ryan\OneDrive\LDN One Drive 2\City of Encinitas\22-08 Piraeus Townhomes
Surface format: FREE
Profile format: FREE
Surface station no.: 93107 Upper air station no.: 3190
Name: OVERLANDSURFACESTATION Name: OVERLANDUPPERSTATION
Year: 2012 Year: 2012

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YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
12	01	01	1	01	-0.5	0.025	-9.000	-9.000	-999.	9.	2.6	0.26	1.32	1.00	0.45	125.	10.0	283.8	10.0			
12	01	01	1	02	-2.3	0.053	-9.000	-9.000	-999.	29.	5.8	0.34	1.32	1.00	0.89	334.	10.0	283.8	10.0			
12	01	01	1	03	-0.6	0.027	-9.000	-9.000	-999.	11.	3.0	0.38	1.32	1.00	0.45	5.	10.0	285.9	10.0			
12	01	01	1	04	-0.5	0.025	-9.000	-9.000	-999.	9.	2.6	0.26	1.32	1.00	0.45	77.	10.0	284.9	10.0			
12	01	01	1	05	-0.6	0.027	-9.000	-9.000	-999.	10.	2.9	0.34	1.32	1.00	0.45	336.	10.0	285.4	10.0			
12	01	01	1	06	-0.5	0.025	-9.000	-9.000	-999.	10.	2.7	0.29	1.32	1.00	0.45	233.	10.0	284.2	10.0			
12	01	01	1	07	-0.5	0.025	-9.000	-9.000	-999.	10.	2.7	0.29	1.32	1.00	0.45	175.	10.0	283.1	10.0			
12	01	01	1	08	27.3	-9.000	-9.000	-9.000	-999.	-9999-00	0.31	1.32	0.49	0.00	0.	10.0	283.1	10.0				
12	01	01	1	09	55.2	0.108	0.487	0.014	75.	85.	-2.0	0.37	1.32	0.29	0.45	329.	10.0	286.4	10.0			
12	01	01	1	10	123.3	0.120	0.896	0.007	208.	100.	-1.3	0.37	1.32	0.22	0.45	321.	10.0	291.4	10.0			
12	01	01	1	11	169.2	0.295	1.303	0.005	468.	384.	-13.6	0.37	1.32	0.20	1.79	320.	10.0	295.4	10.0			
12	01	01	1	12	191.0	0.299	1.625	0.005	805.	392.	-12.5	0.37	1.32	0.19	1.79	310.	10.0	297.0	10.0			
12	01	01	1	13	186.3	0.298	1.865	0.005	1245.	391.	-12.7	0.37	1.32	0.19	1.79	307.	10.0	298.8	10.0			
12	01	01	1	14	160.2	0.293	1.884	0.005	1493.	381.	-14.1	0.37	1.32	0.20	1.79	305.	10.0	299.9	10.0			
12	01	01	1	15	107.4	0.331	1.688	0.005	1601.	456.	-30.0	0.37	1.32	0.23	2.24	305.	10.0	299.2	10.0			
12	01	01	1	16	36.1	0.304	1.180	0.005	1627.	403.	-69.5	0.37	1.32	0.32	2.24	300.	10.0	296.4	10.0			
12	01	01	1	17	-4.7	0.079	-9.000	-9.000	-999.	139.	9.2	0.33	1.32	0.60	1.34	299.	10.0	294.2	10.0			
12	01	01	1	18	-2.2	0.052	-9.000	-9.000	-999.	36.	5.8	0.33	1.32	1.00	0.89	279.	10.0	292.0	10.0			
12	01	01	1	19	-0.5	0.025	-9.000	-9.000	-999.	10.	2.6	0.26	1.32	1.00	0.45	63.	10.0	289.9	10.0			
12	01	01	1	20	-0.6	0.027	-9.000	-9.000	-999.	11.	3.1	0.38	1.32	1.00	0.45	19.	10.0	288.1	10.0			
12	01	01	1	21	-2.2	0.052	-9.000	-9.000	-999.	29.	5.7	0.33	1.32	1.00	0.89	290.	10.0	287.0	10.0			
12	01	01	1	22	-2.4	0.054	-9.000	-9.000	-999.	30.	6.0	0.37	1.32	1.00	0.89	329.	10.0	285.4				

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.0	1	125.	0.45	283.8	48.0	-99.00	0.27

```
*** MODELOPTs:   RegDFAULT  CONC  ELEV  NODRYDPLT  NOWETDPLT  RURAL  SigA Data
```

*** THE ANNUAL AVERAGE CONCENTRATION			VALUES AVERAGED OVER			1 YEARS FOR SOURCE			GROUP: ALL			***		
INCLUDING SOURCE(S):			ESLRT04R	ESLRT04S	ESLRT04T	ESLRT04U	ESLRT04V	ESLRT04W	ESLRT04X	ESLRT04Y	ESLRT04Z	ESLRT05R	ESLRT05S	ESLRT05T
ESLRT04W	, ESLRT04X	, ESLRT04Y	, ESLRT04Z	, ESLRT05R	, ESLRT05S	, ESLRT05T	, ESLRT05U	, ESLRT05V	, ESLRT05W	, ESLRT05X	, ESLRT05Y	, ESLRT05Z	, ESLRT06R	, ESLRT06S
ESLRT054	, ESLRT055	, ESLRT056	, ESLRT057	, ESLRT058	, ESLRT059	, ESLRT05A	, ESLRT05B	, ESLRT05C	, ESLRT05D	, ESLRT05E	, ESLRT05F	, ESLRT05G	, ESLRT05H	, ESLRT05I

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
471692.20	3659415.00	0.01155	471722.20	3659415.00	0.01201

471752.20	3659415.00	0.01251	471782.20	3659415.00	0.01303
471812.20	3659415.00	0.01360	471842.20	3659415.00	0.01421
471872.20	3659415.00	0.01487	471902.20	3659415.00	0.01558
471932.20	3659415.00	0.01635	471962.20	3659415.00	0.01718
471992.20	3659415.00	0.01809	472022.20	3659415.00	0.01909
472052.20	3659415.00	0.02019	472082.20	3659415.00	0.02141
472112.20	3659415.00	0.02277	472142.20	3659415.00	0.02429
472172.20	3659415.00	0.02601	472202.20	3659415.00	0.02798
472232.20	3659415.00	0.03026	472262.20	3659415.00	0.03293
472292.20	3659415.00	0.03611	472322.20	3659415.00	0.03999
472352.20	3659415.00	0.04486	472382.20	3659415.00	0.05121
472412.20	3659415.00	0.05998	472442.20	3659415.00	0.07325
472472.20	3659415.00	0.09820	472502.20	3659415.00	0.07029
472532.20	3659415.00	0.08957	472562.20	3659415.00	0.06630
472592.20	3659415.00	0.05327	472622.20	3659415.00	0.04476
472652.20	3659415.00	0.03868	472682.20	3659415.00	0.03409
472712.20	3659415.00	0.03048	472742.20	3659415.00	0.02755
472772.20	3659415.00	0.02512	472802.20	3659415.00	0.02306
472832.20	3659415.00	0.02130	472862.20	3659415.00	0.01978
472892.20	3659415.00	0.01844	471692.20	3659445.30	0.01188
471722.20	3659445.30	0.01237	471752.20	3659445.30	0.01289
471782.20	3659445.30	0.01346	471812.20	3659445.30	0.01406
471842.20	3659445.30	0.01471	471872.20	3659445.30	0.01542
471902.20	3659445.30	0.01618	471932.20	3659445.30	0.01701
471962.20	3659445.30	0.01792	471992.20	3659445.30	0.01891
472022.20	3659445.30	0.02001	472052.20	3659445.30	0.02122
472082.20	3659445.30	0.02257	472112.20	3659445.30	0.02408
472142.20	3659445.30	0.02579	472172.20	3659445.30	0.02775
472202.20	3659445.30	0.03001	472232.20	3659445.30	0.03266
472262.20	3659445.30	0.03581	472292.20	3659445.30	0.03964
472322.20	3659445.30	0.04444	472352.20	3659445.30	0.05067
472382.20	3659445.30	0.05918	472412.20	3659445.30	0.07181
472442.20	3659445.30	0.09353	472472.20	3659445.30	0.10245
472502.20	3659445.30	0.07758	472532.20	3659445.30	0.10857
472562.20	3659445.30	0.07537	472592.20	3659445.30	0.05871
472622.20	3659445.30	0.04842	472652.20	3659445.30	0.04133
472682.20	3659445.30	0.03610	472712.20	3659445.30	0.03205
472742.20	3659445.30	0.02882	472772.20	3659445.30	0.02616
472802.20	3659445.30	0.02393	472832.20	3659445.30	0.02204

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*** AERMET - VERSION 15181 ***

04/24/22

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*** MODELOPTS: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): ESLRT04R , ESLRT04S , ESLRT04T , ESLRT04U , ESLRT04V ,

ESLRT04W , ESLRT04X , ESLRT04Y , ESLRT04Z , ESLRT050 , ESLRT051 , ESLRT052 , ESLRT053 ,

ESLRT054 , ESLRT055 , ESLRT056 , ESLRT057 , ESLRT058 , ESLRT059 , ESLRT05A , ESLRT05B ,

ESLRT05C , ESLRT05D , ESLRT05E , ESLRT05F , ESLRT05G , ESLRT05H , ESLRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
472862.20	3659445.30	0.02040	472892.20	3659445.30	0.01898
471692.20	3659475.60	0.01220	471722.20	3659475.60	0.01272
471752.20	3659475.60	0.01327	471782.20	3659475.60	0.01387
471812.20	3659475.60	0.01451	471842.20	3659475.60	0.01521
471872.20	3659475.60	0.01596	471902.20	3659475.60	0.01678
471932.20	3659475.60	0.01767	471962.20	3659475.60	0.01865
471992.20	3659475.60	0.01972	472022.20	3659475.60	0.02091
472052.20	3659475.60	0.02223	472082.20	3659475.60	0.02371
472112.20	3659475.60	0.02537	472142.20	3659475.60	0.02727
472172.20	3659475.60	0.02946	472202.20	3659475.60	0.03200
472232.20	3659475.60	0.03501	472262.20	3659475.60	0.03863
472292.20	3659475.60	0.04309	472322.20	3659475.60	0.04876
472352.20	3659475.60	0.05627	472382.20	3659475.60	0.06682
472412.20	3659475.60	0.08305	472442.20	3659475.60	0.11233
472472.20	3659475.60	0.12726	472502.20	3659475.60	0.09842
472532.20	3659475.60	0.11200	472562.20	3659475.60	0.07960
472592.20	3659475.60	0.06203	472622.20	3659475.60	0.05096
472652.20	3659475.60	0.04330	472682.20	3659475.60	0.03766
472712.20	3659475.60	0.03332	472742.20	3659475.60	0.02986
472772.20	3659475.60	0.02703	472802.20	3659475.60	0.02467
472832.20	3659475.60	0.02267	472862.20	3659475.60	0.02095
472892.20	3659475.60	0.01945	471692.20	3659505.90	0.01251
471722.20	3659505.90	0.01306	471752.20	3659505.90	0.01365
471782.20	3659505.90	0.01428	471812.20	3659505.90	0.01496
471842.20	3659505.90	0.01569	471872.20	3659505.90	0.01649
471902.20	3659505.90	0.01736	471932.20	3659505.90	0.01832
471962.20	3659505.90	0.01936	471992.20	3659505.90	0.02052
472022.20	3659505.90	0.02180	472052.20	3659505.90	0.02322
472082.20	3659505.90	0.02483	472112.20	3659505.90	0.02665
472142.20	3659505.90	0.02873	472172.20	3659505.90	0.03114
472202.20	3659505.90	0.03396	472232.20	3659505.90	0.03732
472262.20	3659505.90	0.04140	472292.20	3659505.90	0.04648
472322.20	3659505.90	0.05302	472352.20	3659505.90	0.06182
472382.20	3659505.90	0.07440	472412.20	3659505.90	0.09414
472442.20	3659505.90	0.13102	472472.20	3659505.90	0.10576
472502.20	3659505.90	0.13087	472532.20	3659505.90	0.11029

472562.20 3659505.90 0.08091 472592.20 3659505.90 0.06378
472622.20 3659505.90 0.05258 472652.20 3659505.90 0.04470
472682.20 3659505.90 0.03884 472712.20 3659505.90 0.03432
472742.20 3659505.90 0.03070 472772.20 3659505.90 0.02775
*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
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*** MODELOPTS: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
472802.20	3659505.90	0.02529	472832.20	3659505.90	0.02321
472862.20	3659505.90	0.02142	472892.20	3659505.90	0.01986
471692.20	3659536.20	0.01282	471722.20	3659536.20	0.01340
471752.20	3659536.20	0.01401	471782.20	3659536.20	0.01468
471812.20	3659536.20	0.01539	471842.20	3659536.20	0.01617
471872.20	3659536.20	0.01702	471902.20	3659536.20	0.01794
471932.20	3659536.20	0.01895	471962.20	3659536.20	0.02007
471992.20	3659536.20	0.02130	472022.20	3659536.20	0.02267
472052.20	3659536.20	0.02421	472082.20	3659536.20	0.02594
472112.20	3659536.20	0.02791	472142.20	3659536.20	0.03017
472172.20	3659536.20	0.03280	472202.20	3659536.20	0.03589
472232.20	3659536.20	0.03961	472262.20	3659536.20	0.04415
472292.20	3659536.20	0.04986	472322.20	3659536.20	0.05729
472352.20	3659536.20	0.06738	472382.20	3659536.20	0.08199
472412.20	3659536.20	0.10535	472442.20	3659536.20	0.15177
472472.20	3659536.20	0.11164	472502.20	3659536.20	0.15825
472532.20	3659536.20	0.10672	472562.20	3659536.20	0.08054
472592.20	3659536.20	0.06441	472622.20	3659536.20	0.05348
472652.20	3659536.20	0.04561	472682.20	3659536.20	0.03969
472712.20	3659536.20	0.03507	472742.20	3659536.20	0.03137
472772.20	3659536.20	0.02833	472802.20	3659536.20	0.02580
472832.20	3659536.20	0.02365	472862.20	3659536.20	0.02181
472892.20	3659536.20	0.02021	471692.20	3659566.50	0.01313
471722.20	3659566.50	0.01373	471752.20	3659566.50	0.01437
471782.20	3659566.50	0.01507	471812.20	3659566.50	0.01582
471842.20	3659566.50	0.01664	471872.20	3659566.50	0.01753
471902.20	3659566.50	0.01851	471932.20	3659566.50	0.01958
471962.20	3659566.50	0.02076	471992.20	3659566.50	0.02207
472022.20	3659566.50	0.02353	472052.20	3659566.50	0.02517
472082.20	3659566.50	0.02703	472112.20	3659566.50	0.02915
472142.20	3659566.50	0.03159	472172.20	3659566.50	0.03444
472202.20	3659566.50	0.03782	472232.20	3659566.50	0.04189
472262.20	3659566.50	0.04691	472292.20	3659566.50	0.05326
472322.20	3659566.50	0.06157	472352.20	3659566.50	0.07297
472382.20	3659566.50	0.08968	472412.20	3659566.50	0.11712
472442.20	3659566.50	0.13402	472472.20	3659566.50	0.11679
472502.20	3659566.50	0.14477	472532.20	3659566.50	0.10256
472562.20	3659566.50	0.07928	472592.20	3659566.50	0.06428
472622.20	3659566.50	0.05382	472652.20	3659566.50	0.04612
472682.20	3659566.50	0.04024	472712.20	3659566.50	0.03561

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
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*** MODELOPTS: RegDEFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
472742.20	3659566.50	0.03187	472772.20	3659566.50	0.02879
472802.20	3659566.50	0.02621	472832.20	3659566.50	0.02402
472862.20	3659566.50	0.02214	472892.20	3659566.50	0.02050
471692.20	3659596.80	0.01342	471722.20	3659596.80	0.01405
471752.20	3659596.80	0.01472	471782.20	3659596.80	0.01545
471812.20	3659596.80	0.01624	471842.20	3659596.80	0.01710
471872.20	3659596.80	0.01804	471902.20	3659596.80	0.01906
471932.20	3659596.80	0.02019	471962.20	3659596.80	0.02144
471992.20	3659596.80	0.02283	472022.20	3659596.80	0.02438
472052.20	3659596.80	0.02612	472082.20	3659596.80	0.02811
472112.20	3659596.80	0.03037	472142.20	3659596.80	0.03300
472172.20	3659596.80	0.03608	472202.20	3659596.80	0.03975
472232.20	3659596.80	0.04419	472262.20	3659596.80	0.04969
472292.20	3659596.80	0.05667	472322.20	3659596.80	0.06588

472352.20	3659596.80	0.07862	472382.20	3659596.80	0.09759
472412.20	3659596.80	0.13003	472442.20	3659596.80	0.14812
472472.20	3659596.80	0.12092	472502.20	3659596.80	0.13390
472532.20	3659596.80	0.09837	472562.20	3659596.80	0.07755
472592.20	3659596.80	0.06368	472622.20	3659596.80	0.05375
472652.20	3659596.80	0.04631	472682.20	3659596.80	0.04054
472712.20	3659596.80	0.03595	472742.20	3659596.80	0.03221
472772.20	3659596.80	0.02912	472802.20	3659596.80	0.02652
472832.20	3659596.80	0.02430	472862.20	3659596.80	0.02240
472892.20	3659596.80	0.02074	471692.20	3659627.10	0.01371
471722.20	3659627.10	0.01436	471752.20	3659627.10	0.01506
471782.20	3659627.10	0.01583	471812.20	3659627.10	0.01665
471842.20	3659627.10	0.01755	471872.20	3659627.10	0.01853
471902.20	3659627.10	0.01961	471932.20	3659627.10	0.02079
471962.20	3659627.10	0.02211	471992.20	3659627.10	0.02357
472022.20	3659627.10	0.02521	472052.20	3659627.10	0.02707
472082.20	3659627.10	0.02918	472112.20	3659627.10	0.03160
472142.20	3659627.10	0.03442	472172.20	3659627.10	0.03773
472202.20	3659627.10	0.04169	472232.20	3659627.10	0.04650
472262.20	3659627.10	0.05247	472292.20	3659627.10	0.06010
472322.20	3659627.10	0.07024	472352.20	3659627.10	0.08440
472382.20	3659627.10	0.10596	472412.20	3659627.10	0.14493
472442.20	3659627.10	0.12055	472472.20	3659627.10	0.14585
472502.20	3659627.10	0.12481	472532.20	3659627.10	0.09433
472562.20	3659627.10	0.07561	472592.20	3659627.10	0.06277
472622.20	3659627.10	0.05339	472652.20	3659627.10	0.04624

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5
*** AERMET - VERSION 15181 *** ***

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*** 09:17:09
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*** MODELOPTS: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ESLRT04R , ESLRT04S , ESLRT04T , ESLRT04U , ESLRT04V ,
ESLRT04W , ESLRT04X , ESLRT04Y , ESLRT04Z , ESLRT050 , ESLRT051 , ESLRT052 , ESLRT053 ,
ESLRT054 , ESLRT055 , ESLRT056 , ESLRT057 , ESLRT058 , ESLRT059 , ESLRT05A , ESLRT05B ,
ESLRT05C , ESLRT05D , ESLRT05E , ESLRT05F , ESLRT05G , ESLRT05H , ESLRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
472682.20	3659627.10	0.04063	472712.20	3659627.10	0.03612
472742.20	3659627.10	0.03243	472772.20	3659627.10	0.02934
472802.20	3659627.10	0.02674	472832.20	3659627.10	0.02452
472862.20	3659627.10	0.02260	472892.20	3659627.10	0.02092
471692.20	3659657.40	0.01398	471722.20	3659657.40	0.01466
471752.20	3659657.40	0.01539	471782.20	3659657.40	0.01619
471812.20	3659657.40	0.01705	471842.20	3659657.40	0.01798
471872.20	3659657.40	0.01901	471902.20	3659657.40	0.02014
471932.20	3659657.40	0.02138	471962.20	3659657.40	0.02277
471992.20	3659657.40	0.02431	472022.20	3659657.40	0.02605
472052.20	3659657.40	0.02801	472082.20	3659657.40	0.03025
472112.20	3659657.40	0.03283	472142.20	3659657.40	0.03584
472172.20	3659657.40	0.03939	472202.20	3659657.40	0.04363
472232.20	3659657.40	0.04881	472262.20	3659657.40	0.05527
472292.20	3659657.40	0.06357	472322.20	3659657.40	0.07467
472352.20	3659657.40	0.09041	472382.20	3659657.40	0.11505
472412.20	3659657.40	0.16341	472442.20	3659657.40	0.12258
472472.20	3659657.40	0.16782	472502.20	3659657.40	0.11706
472532.20	3659657.40	0.09051	472562.20	3659657.40	0.07357
472592.20	3659657.40	0.06166	472622.20	3659657.40	0.05282
472652.20	3659657.40	0.04598	472682.20	3659657.40	0.04056
472712.20	3659657.40	0.03615	472742.20	3659657.40	0.03252
472772.20	3659657.40	0.02947	472802.20	3659657.40	0.02688
472832.20	3659657.40	0.02466	472862.20	3659657.40	0.02274
472892.20	3659657.40	0.02106	471692.20	3659687.70	0.01425
471722.20	3659687.70	0.01495	471752.20	3659687.70	0.01571
471782.20	3659687.70	0.01653	471812.20	3659687.70	0.01743
471842.20	3659687.70	0.01841	471872.20	3659687.70	0.01948
471902.20	3659687.70	0.02066	471932.20	3659687.70	0.02197
471962.20	3659687.70	0.02342	471992.20	3659687.70	0.02505
472022.20	3659687.70	0.02688	472052.20	3659687.70	0.02895
472082.20	3659687.70	0.03133	472112.20	3659687.70	0.03407
472142.20	3659687.70	0.03726	472172.20	3659687.70	0.04104
472202.20	3659687.70	0.04558	472232.20	3659687.70	0.05113
472262.20	3659687.70	0.05809	472292.20	3659687.70	0.06709
472322.20	3659687.70	0.07923	472352.20	3659687.70	0.09676
472382.20	3659687.70	0.12519	472412.20	3659687.70	0.14296
472442.20	3659687.70	0.12495	472472.20	3659687.70	0.15198
472502.20	3659687.70	0.11032	472532.20	3659687.70	0.08693
472562.20	3659687.70	0.07150	472592.20	3659687.70	0.06044

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5
*** AERMET - VERSION 15181 *** ***

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*** MODELOPTS: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ESLRT04R , ESLRT04S , ESLRT04T , ESLRT04U , ESLRT04V ,
ESLRT04W , ESLRT04X , ESLRT04Y , ESLRT04Z , ESLRT050 , ESLRT051 , ESLRT052 , ESLRT053 ,
ESLRT054 , ESLRT055 , ESLRT056 , ESLRT057 , ESLRT058 , ESLRT059 , ESLRT05A , ESLRT05B ,

E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10			IN MICROGRAMS/M**3			**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
472622.20	3659687.70	0.05210	472652.20	3659687.70	0.04558	
472682.20	3659687.70	0.04034	472712.20	3659687.70	0.03606	
472742.20	3659687.70	0.03250	472772.20	3659687.70	0.02950	
472802.20	3659687.70	0.02694	472832.20	3659687.70	0.02474	
472862.20	3659687.70	0.02282	472892.20	3659687.70	0.02114	
471692.20	3659718.00	0.01450	471722.20	3659718.00	0.01523	
471752.20	3659718.00	0.01602	471782.20	3659718.00	0.01687	
471812.20	3659718.00	0.01781	471842.20	3659718.00	0.01882	
471872.20	3659718.00	0.01994	471902.20	3659718.00	0.02118	
471932.20	3659718.00	0.02254	471962.20	3659718.00	0.02407	
471992.20	3659718.00	0.02578	472022.20	3659718.00	0.02770	
472052.20	3659718.00	0.02989	472082.20	3659718.00	0.03240	
472112.20	3659718.00	0.03530	472142.20	3659718.00	0.03868	
472172.20	3659718.00	0.04270	472202.20	3659718.00	0.04753	
472232.20	3659718.00	0.05347	472262.20	3659718.00	0.06095	
472292.20	3659718.00	0.07069	472322.20	3659718.00	0.08400	
472352.20	3659718.00	0.10361	472382.20	3659718.00	0.13695	
472412.20	3659718.00	0.15525	472442.20	3659718.00	0.12706	
472472.20	3659718.00	0.13947	472502.20	3659718.00	0.10439	
472532.20	3659718.00	0.08356	472562.20	3659718.00	0.06945	
472592.20	3659718.00	0.05915	472622.20	3659718.00	0.05128	
472652.20	3659718.00	0.04505	472682.20	3659718.00	0.04002	
472712.20	3659718.00	0.03587	472742.20	3659718.00	0.03240	
472772.20	3659718.00	0.02945	472802.20	3659718.00	0.02693	
472832.20	3659718.00	0.02475	472862.20	3659718.00	0.02285	
472892.20	3659718.00	0.02119	471692.20	3659748.30	0.01475	
471722.20	3659748.30	0.01550	471752.20	3659748.30	0.01632	
471782.20	3659748.30	0.01720	471812.20	3659748.30	0.01817	
471842.20	3659748.30	0.01923	471872.20	3659748.30	0.02040	
471902.20	3659748.30	0.02169	471932.20	3659748.30	0.02312	
471962.20	3659748.30	0.02471	471992.20	3659748.30	0.02650	
472022.20	3659748.30	0.02853	472052.20	3659748.30	0.03083	
472082.20	3659748.30	0.03347	472112.20	3659748.30	0.03652	
472142.20	3659748.30	0.04010	472172.20	3659748.30	0.04436	
472202.20	3659748.30	0.04950	472232.20	3659748.30	0.05584	
472262.20	3659748.30	0.06387	472292.20	3659748.30	0.07442	
472322.20	3659748.30	0.08904	472352.20	3659748.30	0.11114	
472382.20	3659748.30	0.15107	472412.20	3659748.30	0.12606	
472442.20	3659748.30	0.15019	472472.20	3659748.30	0.12924	
472502.20	3659748.30	0.09910	472532.20	3659748.30	0.08041	

▲ *** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5

*** AERMET - VERSION 15181 ***

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*** MODELOPTS: RegDFault CONC ELEV NODRYPLT NOWETPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10			IN MICROGRAMS/M**3			**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
472562.20	3659748.30	0.06743	472592.20	3659748.30	0.05782	
472622.20	3659748.30	0.05038	472652.20	3659748.30	0.04445	
472682.20	3659748.30	0.03961	472712.20	3659748.30	0.03559	
472742.20	3659748.30	0.03221	472772.20	3659748.30	0.02934	
472802.20	3659748.30	0.02686	472832.20	3659748.30	0.02472	
472862.20	3659748.30	0.02284	472892.20	3659748.30	0.02118	
471692.20	3659778.60	0.01498	471722.20	3659778.60	0.01576	
471752.20	3659778.60	0.01661	471782.20	3659778.60	0.01753	
471812.20	3659778.60	0.01853	471842.20	3659778.60	0.01964	
471872.20	3659778.60	0.02085	471902.20	3659778.60	0.02219	
471932.20	3659778.60	0.02369	471962.20	3659778.60	0.02535	
471992.20	3659778.60	0.02723	472022.20	3659778.60	0.02934	
472052.20	3659778.60	0.03175	472082.20	3659778.60	0.03453	
472112.20	3659778.60	0.03774	472142.20	3659778.60	0.04152	
472172.20	3659778.60	0.04603	472202.20	3659778.60	0.05149	
472232.20	3659778.60	0.05825	472262.20	3659778.60	0.06688	
472292.20	3659778.60	0.07832	472322.20	3659778.60	0.09445	
472352.20	3659778.60	0.11963	472382.20	3659778.60	0.16918	
472412.20	3659778.60	0.12691	472442.20	3659778.60	0.17044	
472472.20	3659778.60	0.12060	472502.20	3659778.60	0.09432	
472532.20	3659778.60	0.07743	472562.20	3659778.60	0.06546	
472592.20	3659778.60	0.05646	472622.20	3659778.60	0.04943	
472652.20	3659778.60	0.04377	472682.20	3659778.60	0.03913	
472712.20	3659778.60	0.03525	472742.20	3659778.60	0.03197	
472772.20	3659778.60	0.02916	472802.20	3659778.60	0.02674	
472832.20	3659778.60	0.02463	472862.20	3659778.60	0.02277	
472892.20	3659778.60	0.02114	471692.20	3659808.90	0.01521	

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471722.20 3659808.90 0.01601 471752.20 3659808.90 0.01689
471782.20 3659808.90 0.01784 471812.20 3659808.90 0.01889
471842.20 3659808.90 0.02003 471872.20 3659808.90 0.02129
471902.20 3659808.90 0.02269 471932.20 3659808.90 0.02424
471962.20 3659808.90 0.02598 471992.20 3659808.90 0.02794
472022.20 3659808.90 0.03015 472052.20 3659808.90 0.03267
472082.20 3659808.90 0.03558 472112.20 3659808.90 0.03896
472142.20 3659808.90 0.04295 472172.20 3659808.90 0.04771
472202.20 3659808.90 0.05350 472232.20 3659808.90 0.06072
472262.20 3659808.90 0.06999 472292.20 3659808.90 0.08244
472322.20 3659808.90 0.10036 472352.20 3659808.90 0.12943
472382.20 3659808.90 0.14763 472412.20 3659808.90 0.12831
472442.20 3659808.90 0.15404 472472.20 3659808.90 0.11312
^ *** AERMOT - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMOT - VERSION 15181 *** *** *** 09:17:09
*** MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 36

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ESLRT04R , ESLRT04S , ESLRT04T , ESLRT04U , ESLRT04V ,
ESLRT04W , ESLRT04X , ESLRT04Y , ESLRT04Z , ESLRT050 , ESLRT051 , ESLRT052 , ESLRT053 ,
ESLRT054 , ESLRT055 , ESLRT056 , ESLRT057 , ESLRT058 , ESLRT059 , ESLRT05A , ESLRT05B ,
ESLRT05C , ESLRT05D , ESLRT05E , ESLRT05F , ESLRT05G , ESLRT05H , ESLRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
- - - - -
472502.20 3659808.90 0.08996 472532.20 3659808.90 0.07461
472562.20 3659808.90 0.06353 472592.20 3659808.90 0.05510
472622.20 3659808.90 0.04844 472652.20 3659808.90 0.04304
472682.20 3659808.90 0.03859 472712.20 3659808.90 0.03484
472742.20 3659808.90 0.03166 472772.20 3659808.90 0.02893
472802.20 3659808.90 0.02656 472832.20 3659808.90 0.02449
472862.20 3659808.90 0.02267 472892.20 3659808.90 0.02106
471692.20 3659839.20 0.01542 471722.20 3659839.20 0.01626
471752.20 3659839.20 0.01716 471782.20 3659839.20 0.01815
471812.20 3659839.20 0.01923 471842.20 3659839.20 0.02042
471872.20 3659839.20 0.02173 471902.20 3659839.20 0.02318
471932.20 3659839.20 0.02479 471962.20 3659839.20 0.02660
471992.20 3659839.20 0.02864 472022.20 3659839.20 0.03094
472052.20 3659839.20 0.03359 472082.20 3659839.20 0.03663
472112.20 3659839.20 0.04018 472142.20 3659839.20 0.04438
472172.20 3659839.20 0.04941 472202.20 3659839.20 0.05555
472232.20 3659839.20 0.06325 472262.20 3659839.20 0.07324
472292.20 3659839.20 0.08685 472322.20 3659839.20 0.10689
472352.20 3659839.20 0.14109 472382.20 3659839.20 0.15951
472412.20 3659839.20 0.12943 472442.20 3659839.20 0.14099
472472.20 3659839.20 0.10654 472502.20 3659839.20 0.08596
472532.20 3659839.20 0.07194 472562.20 3659839.20 0.06165
472592.20 3659839.20 0.05373 472622.20 3659839.20 0.04742
472652.20 3659839.20 0.04228 472682.20 3659839.20 0.03800
472712.20 3659839.20 0.03439 472742.20 3659839.20 0.03131
472772.20 3659839.20 0.02865 472802.20 3659839.20 0.02634
472832.20 3659839.20 0.02432 472862.20 3659839.20 0.02253
472892.20 3659839.20 0.02094 471692.20 3659869.50 0.01563
471722.20 3659869.50 0.01649 471752.20 3659869.50 0.01742
471782.20 3659869.50 0.01845 471812.20 3659869.50 0.01956
471842.20 3659869.50 0.02079 471872.20 3659869.50 0.02215
471902.20 3659869.50 0.02365 471932.20 3659869.50 0.02533
471962.20 3659869.50 0.02720 471992.20 3659869.50 0.02932
472022.20 3659869.50 0.03173 472052.20 3659869.50 0.03449
472082.20 3659869.50 0.03768 472112.20 3659869.50 0.04140
472142.20 3659869.50 0.04582 472172.20 3659869.50 0.05113
472202.20 3659869.50 0.05765 472232.20 3659869.50 0.06588
472262.20 3659869.50 0.07667 472292.20 3659869.50 0.09161
472322.20 3659869.50 0.11424 472352.20 3659869.50 0.15548
472382.20 3659869.50 0.12887 472412.20 3659869.50 0.15111
^ *** AERMOT - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMOT - VERSION 15181 *** *** *** 09:17:09
*** MODELOPTs: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 37

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ESLRT04R , ESLRT04S , ESLRT04T , ESLRT04U , ESLRT04V ,
ESLRT04W , ESLRT04X , ESLRT04Y , ESLRT04Z , ESLRT050 , ESLRT051 , ESLRT052 , ESLRT053 ,
ESLRT054 , ESLRT055 , ESLRT056 , ESLRT057 , ESLRT058 , ESLRT059 , ESLRT05A , ESLRT05B ,
ESLRT05C , ESLRT05D , ESLRT05E , ESLRT05F , ESLRT05G , ESLRT05H , ESLRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
- - - - -
472442.20 3659869.50 0.13027 472472.20 3659869.50 0.10071
472502.20 3659869.50 0.08226 472532.20 3659869.50 0.06940
472562.20 3659869.50 0.05982 472592.20 3659869.50 0.05237
472622.20 3659869.50 0.04639 472652.20 3659869.50 0.04148
472682.20 3659869.50 0.03737 472712.20 3659869.50 0.03390

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472742.20	3659869.50	0.03092	472772.20	3659869.50	0.02834
472802.20	3659869.50	0.02608	472832.20	3659869.50	0.02410
472862.20	3659869.50	0.02235	472892.20	3659869.50	0.02080
471692.20	3659899.80	0.01583	471722.20	3659899.80	0.01671
471752.20	3659899.80	0.01767	471782.20	3659899.80	0.01873
471812.20	3659899.80	0.01988	471842.20	3659899.80	0.02115
471872.20	3659899.80	0.02255	471902.20	3659899.80	0.02411
471932.20	3659899.80	0.02585	471962.20	3659899.80	0.02780
471992.20	3659899.80	0.03000	472022.20	3659899.80	0.03251
472052.20	3659899.80	0.03538	472082.20	3659899.80	0.03872
472112.20	3659899.80	0.04263	472142.20	3659899.80	0.04727
472172.20	3659899.80	0.05287	472202.20	3659899.80	0.05980
472232.20	3659899.80	0.06861	472262.20	3659899.80	0.08031
472292.20	3659899.80	0.09681	472322.20	3659899.80	0.12266
472352.20	3659899.80	0.17436	472382.20	3659899.80	0.12893
472412.20	3659899.80	0.16932	472442.20	3659899.80	0.12120
472472.20	3659899.80	0.09548	472502.20	3659899.80	0.07884
472532.20	3659899.80	0.06699	472562.20	3659899.80	0.05805
472592.20	3659899.80	0.05102	472622.20	3659899.80	0.04535
472652.20	3659899.80	0.04066	472682.20	3659899.80	0.03672
472712.20	3659899.80	0.03337	472742.20	3659899.80	0.03048
472772.20	3659899.80	0.02798	472802.20	3659899.80	0.02579
472832.20	3659899.80	0.02386	472862.20	3659899.80	0.02214
472892.20	3659899.80	0.02062	471692.20	3659930.10	0.01601
471722.20	3659930.10	0.01692	471752.20	3659930.10	0.01791
471782.20	3659930.10	0.01900	471812.20	3659930.10	0.02019
471842.20	3659930.10	0.02150	471872.20	3659930.10	0.02294
471902.20	3659930.10	0.02455	471932.20	3659930.10	0.02635
471962.20	3659930.10	0.02837	471992.20	3659930.10	0.03066
472022.20	3659930.10	0.03327	472052.20	3659930.10	0.03627
472082.20	3659930.10	0.03976	472112.20	3659930.10	0.04385
472142.20	3659930.10	0.04873	472172.20	3659930.10	0.05465
472202.20	3659930.10	0.06202	472232.20	3659930.10	0.07148
472262.20	3659930.10	0.08420	472292.20	3659930.10	0.10254
472322.20	3659930.10	0.13250	472352.20	3659930.10	0.15113

*** AERMOD - VERSION 19191 ***
*** AERMET - VERSION 15181 ***

*** PM10 Exhaust I-5

*** 04/24/22
*** 09:17:09
*** PAGE 38

*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
472382.20	3659930.10	0.12950	472412.20	3659930.10	0.15298
472442.20	3659930.10	0.11340	472472.20	3659930.10	0.09075
472502.20	3659930.10	0.07564	472532.20	3659930.10	0.06469
472562.20	3659930.10	0.05632	472592.20	3659930.10	0.04969
472622.20	3659930.10	0.04429	472652.20	3659930.10	0.03981
472682.20	3659930.10	0.03604	472712.20	3659930.10	0.03281
472742.20	3659930.10	0.03002	472772.20	3659930.10	0.02759
472802.20	3659930.10	0.02546	472832.20	3659930.10	0.02358
472862.20	3659930.10	0.02190	472892.20	3659930.10	0.02041
471692.20	3659960.40	0.01618	471722.20	3659960.40	0.01711
471752.20	3659960.40	0.01813	471782.20	3659960.40	0.01925
471812.20	3659960.40	0.02047	471842.20	3659960.40	0.02182
471872.20	3659960.40	0.02332	471902.20	3659960.40	0.02498
471932.20	3659960.40	0.02684	471962.20	3659960.40	0.02893
471992.20	3659960.40	0.03131	472022.20	3659960.40	0.03402
472052.20	3659960.40	0.03715	472082.20	3659960.40	0.04079
472112.20	3659960.40	0.04508	472142.20	3659960.40	0.05021
472172.20	3659960.40	0.05648	472202.20	3659960.40	0.06432
472232.20	3659960.40	0.07451	472262.20	3659960.40	0.08840
472292.20	3659960.40	0.10894	472322.20	3659960.40	0.14430
472352.20	3659960.40	0.16264	472382.20	3659960.40	0.12975
472412.20	3659960.40	0.14002	472442.20	3659960.40	0.10659
472472.20	3659960.40	0.08644	472502.20	3659960.40	0.07264
472532.20	3659960.40	0.06248	472562.20	3659960.40	0.05463
472592.20	3659960.40	0.04837	472622.20	3659960.40	0.04324
472652.20	3659960.40	0.03896	472682.20	3659960.40	0.03533
472712.20	3659960.40	0.03222	472742.20	3659960.40	0.02953
472772.20	3659960.40	0.02718	472802.20	3659960.40	0.02511
472832.20	3659960.40	0.02327	472862.20	3659960.40	0.02164
472892.20	3659960.40	0.02017	471692.20	3659990.70	0.01634
471722.20	3659990.70	0.01729	471752.20	3659990.70	0.01833
471782.20	3659990.70	0.01948	471812.20	3659990.70	0.02074
471842.20	3659990.70	0.02213	471872.20	3659990.70	0.02367
471902.20	3659990.70	0.02539	471932.20	3659990.70	0.02731
471962.20	3659990.70	0.02948	471992.20	3659990.70	0.03194
472022.20	3659990.70	0.03476	472052.20	3659990.70	0.03802
472082.20	3659990.70	0.04182	472112.20	3659990.70	0.04631
472142.20	3659990.70	0.05172	472172.20	3659990.70	0.05835
472202.20	3659990.70	0.06673	472232.20	3659990.70	0.07772
472262.20	3659990.70	0.09298	472292.20	3659990.70	0.11621

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
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*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
472322.20	3659990.70	0.15910	472352.20	3659990.70	0.13015
472382.20	3659990.70	0.18717	472412.20	3659990.70	0.12931
472442.20	3659990.70	0.10055	472472.20	3659990.70	0.08248
472502.20	3659990.70	0.06982	472532.20	3659990.70	0.06037
472562.20	3659990.70	0.05299	472592.20	3659990.70	0.04706
472622.20	3659990.70	0.04218	472652.20	3659990.70	0.03809
472682.20	3659990.70	0.03461	472712.20	3659990.70	0.03161
472742.20	3659990.70	0.02901	472772.20	3659990.70	0.02673
472802.20	3659990.70	0.02472	472832.20	3659990.70	0.02294
472862.20	3659990.70	0.02134	472892.20	3659990.70	0.01991
471692.20	3660021.00	0.01647	471722.20	3660021.00	0.01745
471752.20	3660021.00	0.01852	471782.20	3660021.00	0.01969
471812.20	3660021.00	0.02099	471842.20	3660021.00	0.02242
471872.20	3660021.00	0.02400	471902.20	3660021.00	0.02577
471932.20	3660021.00	0.02776	471962.20	3660021.00	0.03001
471992.20	3660021.00	0.03256	472022.20	3660021.00	0.03549
472052.20	3660021.00	0.03887	472082.20	3660021.00	0.04284
472112.20	3660021.00	0.04755	472142.20	3660021.00	0.05325
472172.20	3660021.00	0.06028	472202.20	3660021.00	0.06924
472232.20	3660021.00	0.08115	472262.20	3660021.00	0.09801
472292.20	3660021.00	0.12457	472322.20	3660021.00	0.14348
472352.20	3660021.00	0.12946	472382.20	3660021.00	0.16653
472412.20	3660021.00	0.12022	472442.20	3660021.00	0.09513
472472.20	3660021.00	0.07881	472502.20	3660021.00	0.06715
472532.20	3660021.00	0.05833	472562.20	3660021.00	0.05139
472592.20	3660021.00	0.04577	472622.20	3660021.00	0.04112
472652.20	3660021.00	0.03720	472682.20	3660021.00	0.03386
472712.20	3660021.00	0.03098	472742.20	3660021.00	0.02847
472772.20	3660021.00	0.02626	472802.20	3660021.00	0.02431
472832.20	3660021.00	0.02257	472862.20	3660021.00	0.02102
472892.20	3660021.00	0.01962	471692.20	3660051.30	0.01659
471722.20	3660051.30	0.01759	471752.20	3660051.30	0.01868
471782.20	3660051.30	0.01988	471812.20	3660051.30	0.02121
471842.20	3660051.30	0.02268	471872.20	3660051.30	0.02431
471902.20	3660051.30	0.02614	471932.20	3660051.30	0.02819
471962.20	3660051.30	0.03051	471992.20	3660051.30	0.03315
472022.20	3660051.30	0.03619	472052.20	3660051.30	0.03972
472082.20	3660051.30	0.04386	472112.20	3660051.30	0.04881
472142.20	3660051.30	0.05481	472172.20	3660051.30	0.06228
472202.20	3660051.30	0.07189	472232.20	3660051.30	0.08485

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
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*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
472262.20	3660051.30	0.10359	472292.20	3660051.30	0.13443
472322.20	3660051.30	0.15350	472352.20	3660051.30	0.12929
472382.20	3660051.30	0.15068	472412.20	3660051.30	0.11236
472442.20	3660051.30	0.09022	472472.20	3660051.30	0.07539
472502.20	3660051.30	0.06461	472532.20	3660051.30	0.05636
472562.20	3660051.30	0.04982	472592.20	3660051.30	0.04449
472622.20	3660051.30	0.04006	472652.20	3660051.30	0.03631
472682.20	3660051.30	0.03310	472712.20	3660051.30	0.03033
472742.20	3660051.30	0.02790	472772.20	3660051.30	0.02577
472802.20	3660051.30	0.02387	472832.20	3660051.30	0.02219
472862.20	3660051.30	0.02067	472892.20	3660051.30	0.01931
471692.20	3660081.60	0.01669	471722.20	3660081.60	0.01771
471752.20	3660081.60	0.01882	471782.20	3660081.60	0.02005
471812.20	3660081.60	0.02141	471842.20	3660081.60	0.02292
471872.20	3660081.60	0.02460	471902.20	3660081.60	0.02648
471932.20	3660081.60	0.02859	471962.20	3660081.60	0.03099
471992.20	3660081.60	0.03373	472022.20	3660081.60	0.03688
472052.20	3660081.60	0.04055	472082.20	3660081.60	0.04488

472112.20	3660081.60	0.05007	472142.20	3660081.60	0.05640
472172.20	3660081.60	0.06435	472202.20	3660081.60	0.07469
472232.20	3660081.60	0.08884	472262.20	3660081.60	0.10985
472292.20	3660081.60	0.14640	472322.20	3660081.60	0.16434
472352.20	3660081.60	0.15925	472382.20	3660081.60	0.13792
472412.20	3660081.60	0.10545	472442.20	3660081.60	0.08573
472472.20	3660081.60	0.07218	472502.20	3660081.60	0.06218
472532.20	3660081.60	0.05445	472562.20	3660081.60	0.04828
472592.20	3660081.60	0.04322	472622.20	3660081.60	0.03899
472652.20	3660081.60	0.03541	472682.20	3660081.60	0.03233
472712.20	3660081.60	0.02966	472742.20	3660081.60	0.02731
472772.20	3660081.60	0.02525	472802.20	3660081.60	0.02341
472832.20	3660081.60	0.02177	472862.20	3660081.60	0.02030
472892.20	3660081.60	0.01897	471692.20	3660111.90	0.01677
471722.20	3660111.90	0.01780	471752.20	3660111.90	0.01894
471782.20	3660111.90	0.02019	471812.20	3660111.90	0.02158
471842.20	3660111.90	0.02313	471872.20	3660111.90	0.02486
471902.20	3660111.90	0.02679	471932.20	3660111.90	0.02897
471962.20	3660111.90	0.03145	471992.20	3660111.90	0.03428
472022.20	3660111.90	0.03755	472052.20	3660111.90	0.04137
472082.20	3660111.90	0.04589	472112.20	3660111.90	0.05134
472142.20	3660111.90	0.05804	472172.20	3660111.90	0.06651

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
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*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ESLRT04R , ESLRT04S , ESLRT04T , ESLRT04U , ESLRT04V ,
ESLRT04W , ESLRT04X , ESLRT04Y , ESLRT04Z , ESLRT050 , ESLRT051 , ESLRT052 , ESLRT053 ,
ESLRT054 , ESLRT055 , ESLRT056 , ESLRT057 , ESLRT058 , ESLRT059 , ESLRT05A , ESLRT05B ,
ESLRT05C , ESLRT05D , ESLRT05E , ESLRT05F , ESLRT05G , ESLRT05H , ESLRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
472202.20	3660111.90	0.07766	472232.20	3660111.90	0.09319			
472262.20	3660111.90	0.11694	472292.20	3660111.90	0.16144			
472322.20	3660111.90	0.13012	472352.20	3660111.90	0.18279			
472382.20	3660111.90	0.12732	472412.20	3660111.90	0.09930			
472442.20	3660111.90	0.08159	472472.20	3660111.90	0.06915			
472502.20	3660111.90	0.05985	472532.20	3660111.90	0.05259			
472562.20	3660111.90	0.04676	472592.20	3660111.90	0.04195			
472622.20	3660111.90	0.03792	472652.20	3660111.90	0.03449			
472682.20	3660111.90	0.03153	472712.20	3660111.90	0.02896			
472742.20	3660111.90	0.02670	472772.20	3660111.90	0.02470			
472802.20	3660111.90	0.02292	472832.20	3660111.90	0.02133			
472862.20	3660111.90	0.01990	472892.20	3660111.90	0.01861			
471692.20	3660142.20	0.01683	471722.20	3660142.20	0.01788			
471752.20	3660142.20	0.01903	471782.20	3660142.20	0.02031			
471812.20	3660142.20	0.02173	471842.20	3660142.20	0.02331			
471872.20	3660142.20	0.02508	471902.20	3660142.20	0.02707			
471932.20	3660142.20	0.02931	471962.20	3660142.20	0.03187			
471992.20	3660142.20	0.03480	472022.20	3660142.20	0.03819			
472052.20	3660142.20	0.04217	472082.20	3660142.20	0.04690			
472112.20	3660142.20	0.05262	472142.20	3660142.20	0.05972			
472172.20	3660142.20	0.06878	472202.20	3660142.20	0.08084			
472232.20	3660142.20	0.09797	472262.20	3660142.20	0.12511			
472292.20	3660142.20	0.14471	472322.20	3660142.20	0.12867			
472352.20	3660142.20	0.16309	472382.20	3660142.20	0.11830			
472412.20	3660142.20	0.09377	472442.20	3660142.20	0.07774			
472472.20	3660142.20	0.06628	472502.20	3660142.20	0.05760			
472532.20	3660142.20	0.05078	472562.20	3660142.20	0.04526			
472592.20	3660142.20	0.04069	472622.20	3660142.20	0.03685			
472652.20	3660142.20	0.03356	472682.20	3660142.20	0.03072			
472712.20	3660142.20	0.02824	472742.20	3660142.20	0.02606			
472772.20	3660142.20	0.02413	472802.20	3660142.20	0.02241			
472832.20	3660142.20	0.02087	472862.20	3660142.20	0.01948			
472892.20	3660142.20	0.01823	471692.20	3660172.50	0.01686			
471722.20	3660172.50	0.01792	471752.20	3660172.50	0.01910			
471782.20	3660172.50	0.02040	471812.20	3660172.50	0.02184			
471842.20	3660172.50	0.02346	471872.20	3660172.50	0.02527			
471902.20	3660172.50	0.02731	471932.20	3660172.50	0.02962			
471962.20	3660172.50	0.03226	471992.20	3660172.50	0.03529			
472022.20	3660172.50	0.03880	472052.20	3660172.50	0.04295			
472082.20	3660172.50	0.04790	472112.20	3660172.50	0.05392			

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*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ESLRT04R , ESLRT04S , ESLRT04T , ESLRT04U , ESLRT04V ,
ESLRT04W , ESLRT04X , ESLRT04Y , ESLRT04Z , ESLRT050 , ESLRT051 , ESLRT052 , ESLRT053 ,
ESLRT054 , ESLRT055 , ESLRT056 , ESLRT057 , ESLRT058 , ESLRT059 , ESLRT05A , ESLRT05B ,
ESLRT05C , ESLRT05D , ESLRT05E , ESLRT05F , ESLRT05G , ESLRT05H , ESLRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10			IN MICROGRAMS/M**3			**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
472142.20	3660172.50	0.06145	472172.20	3660172.50	0.07115	
472202.20	3660172.50	0.08425	472232.20	3660172.50	0.10327	
472262.20	3660172.50	0.13478	472292.20	3660172.50	0.12261	
472322.20	3660172.50	0.12790	472352.20	3660172.50	0.14779	
472382.20	3660172.50	0.11043	472412.20	3660172.50	0.08871	
472442.20	3660172.50	0.07412	472472.20	3660172.50	0.06352	
472502.20	3660172.50	0.05542	472532.20	3660172.50	0.04900	
472562.20	3660172.50	0.04377	472592.20	3660172.50	0.03943	
472622.20	3660172.50	0.03576	472652.20	3660172.50	0.03261	
472682.20	3660172.50	0.02989	472712.20	3660172.50	0.02750	
472742.20	3660172.50	0.02540	472772.20	3660172.50	0.02354	
472802.20	3660172.50	0.02187	472832.20	3660172.50	0.02038	
472862.20	3660172.50	0.01904	472892.20	3660172.50	0.01782	
471692.20	3660202.80	0.01686	471722.20	3660202.80	0.01794	
471752.20	3660202.80	0.01913	471782.20	3660202.80	0.02045	
471812.20	3660202.80	0.02192	471842.20	3660202.80	0.02357	
471872.20	3660202.80	0.02542	471902.20	3660202.80	0.02751	
471932.20	3660202.80	0.02989	471962.20	3660202.80	0.03260	
471992.20	3660202.80	0.03573	472022.20	3660202.80	0.03939	
472052.20	3660202.80	0.04370	472082.20	3660202.80	0.04888	
472112.20	3660202.80	0.05524	472142.20	3660202.80	0.06323	
472172.20	3660202.80	0.07365	472202.20	3660202.80	0.08794	
472232.20	3660202.80	0.10923	472262.20	3660202.80	0.14651	
472292.20	3660202.80	0.16405	472322.20	3660202.80	0.15643	
472352.20	3660202.80	0.13526	472382.20	3660202.80	0.10343	
472412.20	3660202.80	0.08403	472442.20	3660202.80	0.07070	
472472.20	3660202.80	0.06087	472502.20	3660202.80	0.05329	
472532.20	3660202.80	0.04724	472562.20	3660202.80	0.04229	
472592.20	3660202.80	0.03816	472622.20	3660202.80	0.03465	
472652.20	3660202.80	0.03164	472682.20	3660202.80	0.02903	
472712.20	3660202.80	0.02674	472742.20	3660202.80	0.02472	
472772.20	3660202.80	0.02292	472802.20	3660202.80	0.02131	
472832.20	3660202.80	0.01987	472862.20	3660202.80	0.01857	
472892.20	3660202.80	0.01740	471692.20	3660233.10	0.01682	
471722.20	3660233.10	0.01792	471752.20	3660233.10	0.01913	
471782.20	3660233.10	0.02047	471812.20	3660233.10	0.02196	
471842.20	3660233.10	0.02364	471872.20	3660233.10	0.02553	
471902.20	3660233.10	0.02767	471932.20	3660233.10	0.03010	
471962.20	3660233.10	0.03290	471992.20	3660233.10	0.03614	
472022.20	3660233.10	0.03993	472052.20	3660233.10	0.04442	

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*** MODELOPTS: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
 E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
 E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
 E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10			IN MICROGRAMS/M**3			**
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC	
472082.20	3660233.10	0.04986	472112.20	3660233.10	0.05656	
472142.20	3660233.10	0.06507	472172.20	3660233.10	0.07630	
472202.20	3660233.10	0.09197	472232.20	3660233.10	0.11604	
472262.20	3660233.10	0.16150	472292.20	3660233.10	0.12868	
472322.20	3660233.10	0.17880	472352.20	3660233.10	0.12466	
472382.20	3660233.10	0.09710	472412.20	3660233.10	0.07966	
472442.20	3660233.10	0.06743	472472.20	3660233.10	0.05830	
472502.20	3660233.10	0.05120	472532.20	3660233.10	0.04549	
472562.20	3660233.10	0.04080	472592.20	3660233.10	0.03687	
472622.20	3660233.10	0.03353	472652.20	3660233.10	0.03065	
472682.20	3660233.10	0.02815	472712.20	3660233.10	0.02595	
472742.20	3660233.10	0.02400	472772.20	3660233.10	0.02227	
472802.20	3660233.10	0.02072	472832.20	3660233.10	0.01934	
472862.20	3660233.10	0.01808	472892.20	3660233.10	0.01695	
471692.20	3660263.40	0.01675	471722.20	3660263.40	0.01785	
471752.20	3660263.40	0.01908	471782.20	3660263.40	0.02044	
471812.20	3660263.40	0.02196	471842.20	3660263.40	0.02366	
471872.20	3660263.40	0.02558	471902.20	3660263.40	0.02777	
471932.20	3660263.40	0.03026	471962.20	3660263.40	0.03314	
471992.20	3660263.40	0.03649	472022.20	3660263.40	0.04042	
472052.20	3660263.40	0.04511	472082.20	3660263.40	0.05081	
472112.20	3660263.40	0.05790	472142.20	3660263.40	0.06698	
472172.20	3660263.40	0.07912	472202.20	3660263.40	0.09640	
472232.20	3660263.40	0.12393	472262.20	3660263.40	0.14393	
472292.20	3660263.40	0.12654	472322.20	3660263.40	0.15938	
472352.20	3660263.40	0.11545	472382.20	3660263.40	0.09130	
472412.20	3660263.40	0.07553	472442.20	3660263.40	0.06428	
472472.20	3660263.40	0.05579	472502.20	3660263.40	0.04913	
472532.20	3660263.40	0.04375	472562.20	3660263.40	0.03931	
472592.20	3660263.40	0.03557	472622.20	3660263.40	0.03238	
472652.20	3660263.40	0.02963	472682.20	3660263.40	0.02723	

472712.20	3660263.40	0.02512	472742.20	3660263.40	0.02326
472772.20	3660263.40	0.02160	472802.20	3660263.40	0.02011
472832.20	3660263.40	0.01878	472862.20	3660263.40	0.01757
472892.20	3660263.40	0.01648	471692.20	3660293.70	0.01663
471722.20	3660293.70	0.01775	471752.20	3660293.70	0.01899
471782.20	3660293.70	0.02036	471812.20	3660293.70	0.02190
471842.20	3660293.70	0.02363	471872.20	3660293.70	0.02558
471902.20	3660293.70	0.02781	471932.20	3660293.70	0.03036
471962.20	3660293.70	0.03332	471992.20	3660293.70	0.03677

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*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
472022.20	3660293.70	0.04085	472052.20	3660293.70	0.04575			
472082.20	3660293.70	0.05173	472112.20	3660293.70	0.05924			
472142.20	3660293.70	0.06895	472172.20	3660293.70	0.08213			
472202.20	3660293.70	0.10133	472232.20	3660293.70	0.13331			
472262.20	3660293.70	0.12055	472292.20	3660293.70	0.12507			
472322.20	3660293.70	0.14395	472352.20	3660293.70	0.10728			
472382.20	3660293.70	0.08592	472412.20	3660293.70	0.07160			
472442.20	3660293.70	0.06122	472472.20	3660293.70	0.05331			
472502.20	3660293.70	0.04707	472532.20	3660293.70	0.04199			
472562.20	3660293.70	0.03779	472592.20	3660293.70	0.03424			
472622.20	3660293.70	0.03120	472652.20	3660293.70	0.02858			
472682.20	3660293.70	0.02629	472712.20	3660293.70	0.02428			
472742.20	3660293.70	0.02249	472772.20	3660293.70	0.02090			
472802.20	3660293.70	0.01948	472832.20	3660293.70	0.01820			
472862.20	3660293.70	0.01705	472892.20	3660293.70	0.01601			
471692.20	3660324.00	0.01645	471722.20	3660324.00	0.01758			
471752.20	3660324.00	0.01883	471782.20	3660324.00	0.02022			
471812.20	3660324.00	0.02178	471842.20	3660324.00	0.02353			
471872.20	3660324.00	0.02551	471902.20	3660324.00	0.02778			
471932.20	3660324.00	0.03038	471962.20	3660324.00	0.03341			
471992.20	3660324.00	0.03698	472022.20	3660324.00	0.04121			
472052.20	3660324.00	0.04632	472082.20	3660324.00	0.05261			
472112.20	3660324.00	0.06057	472142.20	3660324.00	0.07100			
472172.20	3660324.00	0.08537	472202.20	3660324.00	0.10687			
472232.20	3660324.00	0.14485	472262.20	3660324.00	0.13136			
472292.20	3660324.00	0.15234	472322.20	3660324.00	0.13115			
472352.20	3660324.00	0.09988	472382.20	3660324.00	0.08084			
472412.20	3660324.00	0.06780	472442.20	3660324.00	0.05822			
472472.20	3660324.00	0.05085	472502.20	3660324.00	0.04499			
472532.20	3660324.00	0.04021	472562.20	3660324.00	0.03623			
472592.20	3660324.00	0.03287	472622.20	3660324.00	0.02999			
472652.20	3660324.00	0.02750	472682.20	3660324.00	0.02532			
472712.20	3660324.00	0.02340	472742.20	3660324.00	0.02170			
472772.20	3660324.00	0.02019	472802.20	3660324.00	0.01883			
472832.20	3660324.00	0.01762	472862.20	3660324.00	0.01652			
472892.20	3660324.00	0.01552	471692.20	3660354.30	0.01622			
471722.20	3660354.30	0.01735	471752.20	3660354.30	0.01861			
471782.20	3660354.30	0.02001	471812.20	3660354.30	0.02159			
471842.20	3660354.30	0.02335	471872.20	3660354.30	0.02536			
471902.20	3660354.30	0.02766	471932.20	3660354.30	0.03031			

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*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10			IN MICROGRAMS/M**3			**		
X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC			
471962.20	3660354.30	0.03342	471992.20	3660354.30	0.03708			
472022.20	3660354.30	0.04147	472052.20	3660354.30	0.04681			
472082.20	3660354.30	0.05343	472112.20	3660354.30	0.06189			
472142.20	3660354.30	0.07312	472172.20	3660354.30	0.08889			
472202.20	3660354.30	0.11322	472232.20	3660354.30	0.15962			
472262.20	3660354.30	0.12531	472292.20	3660354.30	0.17296			
472322.20	3660354.30	0.12007	472352.20	3660354.30	0.09305			
472382.20	3660354.30	0.07599	472412.20	3660354.30	0.06408			
472442.20	3660354.30	0.05524	472472.20	3660354.30	0.04838			

472502.20 3660354.30 0.04289 472532.20 3660354.30 0.03840
472562.20 3660354.30 0.03464 472592.20 3660354.30 0.03147
472622.20 3660354.30 0.02874 472652.20 3660354.30 0.02638
472682.20 3660354.30 0.02432 472712.20 3660354.30 0.02250
472742.20 3660354.30 0.02089 472772.20 3660354.30 0.01946
472802.20 3660354.30 0.01817 472832.20 3660354.30 0.01702
472862.20 3660354.30 0.01597 472892.20 3660354.30 0.01503
471692.20 3660384.60 0.01592 471722.20 3660384.60 0.01705
471752.20 3660384.60 0.01831 471782.20 3660384.60 0.01972
471812.20 3660384.60 0.02130 471842.20 3660384.60 0.02308
471872.20 3660384.60 0.02511 471902.20 3660384.60 0.02744
471932.20 3660384.60 0.03014 471962.20 3660384.60 0.03331
471992.20 3660384.60 0.03707 472022.20 3660384.60 0.04161
472052.20 3660384.60 0.04718 472082.20 3660384.60 0.05416
472112.20 3660384.60 0.06317 472142.20 3660384.60 0.07531
472172.20 3660384.60 0.09274 472202.20 3660384.60 0.12071
472232.20 3660384.60 0.14116 472262.20 3660384.60 0.12199
472292.20 3660384.60 0.15302 472322.20 3660384.60 0.11016
472352.20 3660384.60 0.08660 472382.20 3660384.60 0.07128
472412.20 3660384.60 0.06041 472442.20 3660384.60 0.05225
472472.20 3660384.60 0.04587 472502.20 3660384.60 0.04074
472532.20 3660384.60 0.03653 472562.20 3660384.60 0.03301
472592.20 3660384.60 0.03002 472622.20 3660384.60 0.02746
472652.20 3660384.60 0.02524 472682.20 3660384.60 0.02329
472712.20 3660384.60 0.02158 472742.20 3660384.60 0.02007
472772.20 3660384.60 0.01872 472802.20 3660384.60 0.01751
472832.20 3660384.60 0.01642 472862.20 3660384.60 0.01543
472892.20 3660384.60 0.01453 471692.20 3660414.90 0.01557
471722.20 3660414.90 0.01668 471752.20 3660414.90 0.01792
471782.20 3660414.90 0.01932 471812.20 3660414.90 0.02090
471842.20 3660414.90 0.02269 471872.20 3660414.90 0.02474
*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 46
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): ESLRT04R , ESLRT04S , ESLRT04T , ESLRT04U , ESLRT04V ,
ESLRT04W , ESLRT04X , ESLRT04Y , ESLRT04Z , ESLRT050 , ESLRT051 , ESLRT052 , ESLRT053 ,
ESLRT054 , ESLRT055 , ESLRT056 , ESLRT057 , ESLRT058 , ESLRT059 , ESLRT05A , ESLRT05B ,
ESLRT05C , ESLRT05D , ESLRT05E , ESLRT05F , ESLRT05G , ESLRT05H , ESLRT05I , . . . ,
*** DISCRETE CARTESIAN RECEPTOR POINTS ***
** CONC OF PM10 IN MICROGRAMS/M**3 **
X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
471902.20 3660414.90 0.02709 471932.20 3660414.90 0.02983
471962.20 3660414.90 0.03305 471992.20 3660414.90 0.03690
472022.20 3660414.90 0.04159 472052.20 3660414.90 0.04739
472082.20 3660414.90 0.05475 472112.20 3660414.90 0.06437
472142.20 3660414.90 0.07755 472172.20 3660414.90 0.09697
472202.20 3660414.90 0.12974 472232.20 3660414.90 0.11604
472262.20 3660414.90 0.11915 472292.20 3660414.90 0.13658
472322.20 3660414.90 0.10108 472352.20 3660414.90 0.08042
472382.20 3660414.90 0.06665 472412.20 3660414.90 0.05673
472442.20 3660414.90 0.04921 472472.20 3660414.90 0.04330
472502.20 3660414.90 0.03853 472532.20 3660414.90 0.03461
472562.20 3660414.90 0.03133 472592.20 3660414.90 0.02854
472622.20 3660414.90 0.02615 472652.20 3660414.90 0.02407
472682.20 3660414.90 0.02226 472712.20 3660414.90 0.02066
472742.20 3660414.90 0.01924 472772.20 3660414.90 0.01798
472802.20 3660414.90 0.01684 472832.20 3660414.90 0.01582
472862.20 3660414.90 0.01489 472892.20 3660414.90 0.01404
471692.20 3660445.20 0.01516 471722.20 3660445.20 0.01624
471752.20 3660445.20 0.01746 471782.20 3660445.20 0.01883
471812.20 3660445.20 0.02039 471842.20 3660445.20 0.02216
471872.20 3660445.20 0.02421 471902.20 3660445.20 0.02657
471932.20 3660445.20 0.02934 471962.20 3660445.20 0.03261
471992.20 3660445.20 0.03654 472022.20 3660445.20 0.04136
472052.20 3660445.20 0.04739 472082.20 3660445.20 0.05513
472112.20 3660445.20 0.06542 472142.20 3660445.20 0.07980
472172.20 3660445.20 0.10165 472202.20 3660445.20 0.14104
472232.20 3660445.20 0.12584 472262.20 3660445.20 0.14337
472292.20 3660445.20 0.12253 472322.20 3660445.20 0.09257
472352.20 3660445.20 0.07439 472382.20 3660445.20 0.06200
472412.20 3660445.20 0.05298 472442.20 3660445.20 0.04609
472472.20 3660445.20 0.04065 472502.20 3660445.20 0.03626
472532.20 3660445.20 0.03264 472562.20 3660445.20 0.02961
472592.20 3660445.20 0.02704 472622.20 3660445.20 0.02483
472652.20 3660445.20 0.02291 472682.20 3660445.20 0.02123
472712.20 3660445.20 0.01974 472742.20 3660445.20 0.01842
472772.20 3660445.20 0.01724 472802.20 3660445.20 0.01618
472832.20 3660445.20 0.01522 472862.20 3660445.20 0.01435
472892.20 3660445.20 0.01356 471692.20 3660475.50 0.01472
471722.20 3660475.50 0.01576 471752.20 3660475.50 0.01692
471782.20 3660475.50 0.01825 471812.20 3660475.50 0.01976
*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 47

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
471842.20	3660475.50	0.02149	471872.20	3660475.50	0.02350
471902.20	3660475.50	0.02585	471932.20	3660475.50	0.02861
471962.20	3660475.50	0.03192	471992.20	3660475.50	0.03591
472022.20	3660475.50	0.04084	472052.20	3660475.50	0.04707
472082.20	3660475.50	0.05521	472112.20	3660475.50	0.06622
472142.20	3660475.50	0.08199	472172.20	3660475.50	0.10684
472202.20	3660475.50	0.15583	472232.20	3660475.50	0.11703
472262.20	3660475.50	0.15962	472292.20	3660475.50	0.10990
472322.20	3660475.50	0.08435	472352.20	3660475.50	0.06833
472382.20	3660475.50	0.05725	472412.20	3660475.50	0.04911
472442.20	3660475.50	0.04286	472472.20	3660475.50	0.03793
472502.20	3660475.50	0.03394	472532.20	3660475.50	0.03065
472562.20	3660475.50	0.02789	472592.20	3660475.50	0.02554
472622.20	3660475.50	0.02352	472652.20	3660475.50	0.02175
472682.20	3660475.50	0.02021	472712.20	3660475.50	0.01884
472742.20	3660475.50	0.01762	472772.20	3660475.50	0.01652
472802.20	3660475.50	0.01553	472832.20	3660475.50	0.01464
472862.20	3660475.50	0.01382	472892.20	3660475.50	0.01308
471692.20	3660505.80	0.01426	471722.20	3660505.80	0.01524
471752.20	3660505.80	0.01635	471782.20	3660505.80	0.01760
471812.20	3660505.80	0.01904	471842.20	3660505.80	0.02069
471872.20	3660505.80	0.02262	471902.20	3660505.80	0.02489
471932.20	3660505.80	0.02760	471962.20	3660505.80	0.03088
471992.20	3660505.80	0.03489	472022.20	3660505.80	0.03990
472052.20	3660505.80	0.04631	472082.20	3660505.80	0.05482
472112.20	3660505.80	0.06661	472142.20	3660505.80	0.08401
472172.20	3660505.80	0.11277	472202.20	3660505.80	0.10049
472232.20	3660505.80	0.11045	472262.20	3660505.80	0.13774
472292.20	3660505.80	0.09787	472322.20	3660505.80	0.07608
472352.20	3660505.80	0.06210	472382.20	3660505.80	0.05233
472412.20	3660505.80	0.04511	472442.20	3660505.80	0.03957
472472.20	3660505.80	0.03518	472502.20	3660505.80	0.03162
472532.20	3660505.80	0.02867	472562.20	3660505.80	0.02618
472592.20	3660505.80	0.02406	472622.20	3660505.80	0.02223
472652.20	3660505.80	0.02063	472682.20	3660505.80	0.01921
472712.20	3660505.80	0.01796	472742.20	3660505.80	0.01683
472772.20	3660505.80	0.01582	472802.20	3660505.80	0.01490
472832.20	3660505.80	0.01407	472862.20	3660505.80	0.01331
472892.20	3660505.80	0.01261	471692.20	3660536.10	0.01378
471722.20	3660536.10	0.01470	471752.20	3660536.10	0.01574

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
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*** MODELOPTS: RegDFault CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
471782.20	3660536.10	0.01692	471812.20	3660536.10	0.01826
471842.20	3660536.10	0.01981	471872.20	3660536.10	0.02162
471902.20	3660536.10	0.02375	471932.20	3660536.10	0.02632
471962.20	3660536.10	0.02945	471992.20	3660536.10	0.03335
472022.20	3660536.10	0.03832	472052.20	3660536.10	0.04482
472082.20	3660536.10	0.05363	472112.20	3660536.10	0.06621
472142.20	3660536.10	0.08561	472172.20	3660536.10	0.12012
472202.20	3660536.10	0.10379	472232.20	3660536.10	0.10242
472262.20	3660536.10	0.11757	472292.20	3660536.10	0.08572
472322.20	3660536.10	0.06750	472352.20	3660536.10	0.05563
472382.20	3660536.10	0.04728	472412.20	3660536.10	0.04107
472442.20	3660536.10	0.03628	472472.20	3660536.10	0.03246
472502.20	3660536.10	0.02934	472532.20	3660536.10	0.02674
472562.20	3660536.10	0.02453	472592.20	3660536.10	0.02264
472622.20	3660536.10	0.02099	472652.20	3660536.10	0.01954
472682.20	3660536.10	0.01825	472712.20	3660536.10	0.01711
472742.20	3660536.10	0.01607	472772.20	3660536.10	0.01514
472802.20	3660536.10	0.01429	472832.20	3660536.10	0.01352
472862.20	3660536.10	0.01281	472892.20	3660536.10	0.01216
471692.20	3660566.40	0.01329	471722.20	3660566.40	0.01416
471752.20	3660566.40	0.01513	471782.20	3660566.40	0.01622
471812.20	3660566.40	0.01746	471842.20	3660566.40	0.01889

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471872.20 3660566.40 0.02055 471902.20 3660566.40 0.02250
471932.20 3660566.40 0.02484 471962.20 3660566.40 0.02771
471992.20 3660566.40 0.03131 472022.20 3660566.40 0.03596
472052.20 3660566.40 0.04220 472082.20 3660566.40 0.05098
472112.20 3660566.40 0.06411 472142.20 3660566.40 0.08570
472172.20 3660566.40 0.12922 472202.20 3660566.40 0.06905
472232.20 3660566.40 0.14978 472262.20 3660566.40 0.09766
472292.20 3660566.40 0.07314 472322.20 3660566.40 0.05867
472352.20 3660566.40 0.04910 472382.20 3660566.40 0.04228
472412.20 3660566.40 0.03713 472442.20 3660566.40 0.03311
472472.20 3660566.40 0.02986 472502.20 3660566.40 0.02717
472532.20 3660566.40 0.02490 472562.20 3660566.40 0.02296
472592.20 3660566.40 0.02128 472622.20 3660566.40 0.01980
472652.20 3660566.40 0.01850 472682.20 3660566.40 0.01733
472712.20 3660566.40 0.01629 472742.20 3660566.40 0.01534
472772.20 3660566.40 0.01449 472802.20 3660566.40 0.01370
472832.20 3660566.40 0.01299 472862.20 3660566.40 0.01233
472892.20 3660566.40 0.01172 471692.20 3660596.70 0.01281
^ *** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** *** 09:17:09
*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 49

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
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471722.20 3660596.70 0.01361 471752.20 3660596.70 0.01451
471782.20 3660596.70 0.01552 471812.20 3660596.70 0.01666
471842.20 3660596.70 0.01796 471872.20 3660596.70 0.01946
471902.20 3660596.70 0.02122 471932.20 3660596.70 0.02331
471962.20 3660596.70 0.02584 471992.20 3660596.70 0.02899
472022.20 3660596.70 0.03303 472052.20 3660596.70 0.03846
472082.20 3660596.70 0.04623 472112.20 3660596.70 0.05845
472142.20 3660596.70 0.08082 472172.20 3660596.70 0.06224
472202.20 3660596.70 0.07616 472232.20 3660596.70 0.11161
472262.20 3660596.70 0.07763 472292.20 3660596.70 0.06061
472322.20 3660596.70 0.05013 472352.20 3660596.70 0.04292
472382.20 3660596.70 0.03759 472412.20 3660596.70 0.03346
472442.20 3660596.70 0.03015 472472.20 3660596.70 0.02743
472502.20 3660596.70 0.02513 472532.20 3660596.70 0.02318
472562.20 3660596.70 0.02148 472592.20 3660596.70 0.01999
472622.20 3660596.70 0.01868 472652.20 3660596.70 0.01751
472682.20 3660596.70 0.01646 472712.20 3660596.70 0.01551
472742.20 3660596.70 0.01465 472772.20 3660596.70 0.01386
472802.20 3660596.70 0.01314 472832.20 3660596.70 0.01248
472862.20 3660596.70 0.01186 472892.20 3660596.70 0.01130
471692.20 3660627.00 0.01234 471722.20 3660627.00 0.01309
471752.20 3660627.00 0.01392 471782.20 3660627.00 0.01485
471812.20 3660627.00 0.01588 471842.20 3660627.00 0.01706
471872.20 3660627.00 0.01841 471902.20 3660627.00 0.01998
471932.20 3660627.00 0.02181 471962.20 3660627.00 0.02401
471992.20 3660627.00 0.02668 472022.20 3660627.00 0.03004
472052.20 3660627.00 0.03441 472082.20 3660627.00 0.04042
472112.20 3660627.00 0.04940 472142.20 3660627.00 0.06505
472172.20 3660627.00 0.06070 472202.20 3660627.00 0.06687
472232.20 3660627.00 0.07626 472262.20 3660627.00 0.05966
472292.20 3660627.00 0.04959 472322.20 3660627.00 0.04262
472352.20 3660627.00 0.03744 472382.20 3660627.00 0.03341
472412.20 3660627.00 0.03015 472442.20 3660627.00 0.02746
472472.20 3660627.00 0.02520 472502.20 3660627.00 0.02326
472532.20 3660627.00 0.02157 472562.20 3660627.00 0.02010
472592.20 3660627.00 0.01879 472622.20 3660627.00 0.01762
472652.20 3660627.00 0.01657 472682.20 3660627.00 0.01563
472712.20 3660627.00 0.01477 472742.20 3660627.00 0.01398
472772.20 3660627.00 0.01326 472802.20 3660627.00 0.01259
472832.20 3660627.00 0.01198 472862.20 3660627.00 0.01141
^ *** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** *** 09:17:09
*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data PAGE 50

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M) CONC
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472892.20 3660627.00 0.01089
*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
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*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 1 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): E5LRT04R , E5LRT04S , E5LRT04T , E5LRT04U , E5LRT04V ,
E5LRT04W , E5LRT04X , E5LRT04Y , E5LRT04Z , E5LRT050 , E5LRT051 , E5LRT052 , E5LRT053 ,
E5LRT054 , E5LRT055 , E5LRT056 , E5LRT057 , E5LRT058 , E5LRT059 , E5LRT05A , E5LRT05B ,
E5LRT05C , E5LRT05D , E5LRT05E , E5LRT05F , E5LRT05G , E5LRT05H , E5LRT05I , . . . ,

*** SENSITIVE DISCRETE RECEPTOR POINTS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
472393.60	3660170.30	0.10145	472405.70	3660117.50	0.10305
472424.20	3659995.80	0.11463	472482.80	3659974.80	0.07934

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
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*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 1 YEARS ***

** CONC OF PM10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS 0.18717 AT (472382.20, 3659990.70, 0.00, 0.00, 0.00)	DC		
	2ND HIGHEST VALUE IS 0.18279 AT (472352.20, 3660111.90, 0.00, 0.00, 0.00)	DC		
	3RD HIGHEST VALUE IS 0.17880 AT (472322.20, 3660233.10, 0.00, 0.00, 0.00)	DC		
	4TH HIGHEST VALUE IS 0.17436 AT (472352.20, 3659899.80, 0.00, 0.00, 0.00)	DC		
	5TH HIGHEST VALUE IS 0.17296 AT (472292.20, 3660354.30, 0.00, 0.00, 0.00)	DC		
	6TH HIGHEST VALUE IS 0.17044 AT (472442.20, 3659778.60, 0.00, 0.00, 0.00)	DC		
	7TH HIGHEST VALUE IS 0.16932 AT (472412.20, 3659899.80, 0.00, 0.00, 0.00)	DC		
	8TH HIGHEST VALUE IS 0.16918 AT (472382.20, 3659778.60, 0.00, 0.00, 0.00)	DC		
	9TH HIGHEST VALUE IS 0.16782 AT (472472.20, 3659657.40, 0.00, 0.00, 0.00)	DC		
	10TH HIGHEST VALUE IS 0.16653 AT (472382.20, 3660021.00, 0.00, 0.00, 0.00)	DC		

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

*** AERMOD - VERSION 19191 *** *** PM10 Exhaust I-5 *** 04/24/22
*** AERMET - VERSION 15181 *** *** 09:17:09
PAGE 53

*** MODELOPTS: RegDFAULT CONC ELEV NODRYDPLT NOWETDPLT RURAL SigA Data

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

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

A Total of 0 Fatal Error Message(s)
A Total of 1 Warning Message(s)
A Total of 178 Informational Message(s)

A Total of 8784 Hours Were Processed

A Total of 101 Calm Hours Identified

A Total of 77 Missing Hours Identified (0.88 Percent)

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

***** WARNING MESSAGES *****
MX W403 3562 PFLCNV: Turbulence data is being used w/o ADJ_U* option SigA Data

*** AERMOD Finishes Successfully ***

ATTACHMENT B

EMFAC 2017 Emission Factors (2025)

EMFAC2017 (v1.0.2) Emission Rates
Region Type: County

Region: SAN DIEGO
Calendar Year: 2025
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW. Note 'day' in the unit is operation day.

RoadwayADT	213000	Trips/Day	
RoadwaySegmentAERMOD_Vo	0.78	Miles/Trip	
lumeSourceDistance			
SegmentVMT	166140	Miles/Day	

From EMFAC2017											
Region	CalYr	VehClass	MdlYr	Speed	Fuel	VMT	%ofTotalVMT	VMT on Roadway Segment	PM2.5_RUNEX	Total Grams	Grams from DSL Only
SAN DIEGO	2025	HHDT	Aggregated	65	GAS	56.95663	0.00016%	0.270913159	0.000891759	0.000241589	0
SAN DIEGO	2025	HHDT	Aggregated	65	DSL	611511.9	1.75072%	2908.645225	0.034232466	99.57009982	99.57009982
SAN DIEGO	2025	HHDT	Aggregated	65	NG	1018.599	0.00292%	4.844947924	0.00326309	0.015809501	0
SAN DIEGO	2025	LDA	Aggregated	65	GAS	20864473	59.73365%	99241.48484	0.001068927	106.0818691	0
SAN DIEGO	2025	LDA	Aggregated	65	DSL	253782	0.72656%	1207.109589	0.003947112	4.764596695	4.764596695
SAN DIEGO	2025	LDT1	Aggregated	65	GAS	2191107	6.27300%	10421.95963	0.001388917	14.47523951	0
SAN DIEGO	2025	LDT1	Aggregated	65	DSL	591.5601	0.00169%	2.813744713	0.131898696	0.371129258	0.371129258
SAN DIEGO	2025	LDT2	Aggregated	65	GAS	6365270	18.22336%	30276.28913	0.001082644	32.77844539	0
SAN DIEGO	2025	LDT2	Aggregated	65	DSL	53663.17	0.15363%	255.2478924	0.003624213	0.925072705	0.925072705
SAN DIEGO	2025	MCY	Aggregated	65	GAS	227826.8	0.65225%	1083.6538	0.001821564	1.973944577	0
SAN DIEGO	2025	MDV	Aggregated	65	GAS	4108220	11.76157%	19540.67241	0.001081705	21.13724802	0
SAN DIEGO	2025	MDV	Aggregated	65	DSL	126986.6	0.36355%	604.009592	0.002951969	1.783017886	1.783017886
SAN DIEGO	2025	MH	Aggregated	65	GAS	1925.541	0.00551%	9.158801696	0.001097407	0.010050932	0
SAN DIEGO	2025	MH	Aggregated	65	DSL	898.7858	0.00257%	4.275058224	0.125566089	0.536802343	0.536802343
SAN DIEGO	2025	MHDT	Aggregated	65	GAS	5204.125	0.01490%	24.75332349	0.000897487	0.022215781	0
SAN DIEGO	2025	MHDT	Aggregated	65	DSL	96832.62	0.27723%	460.5825756	0.01405112	6.471701008	6.471701008
SAN DIEGO	2025	OBUS	Aggregated	65	GAS	1395.163	0.00399%	6.636064841	0.000863981	0.005733432	0
SAN DIEGO	2025	OBUS	Aggregated	65	DSL	12485.41	0.03574%	59.38660022	0.029971831	1.779925152	1.779925152
SAN DIEGO	2025	SBUS	Aggregated	65	DSL	5203.457	0.01490%	24.75014922	0.039714338	0.982935798	0.982935798
SAN DIEGO	2025	UBUS	Aggregated	65	GAS	90.24649	0.00026%	0.429255752	0.000935042	0.000401372	0
SAN DIEGO	2025	UBUS	Aggregated	65	DSL	0	0.00000%	0	0	0	0
SAN DIEGO	2025	UBUS	Aggregated	65	NG	636.2805	0.00182%	3.026456376	0.001776022	0.005375052	0
				Total VMT		34929179	100.000%				
										Total Grams from DSL Only	
										PM10 per Day	117.1852807
										Total Grams from DSL PM10 per Second (g/s)	0.001356311

ATTACHMENT B

EMFAC 2017 Emission Factors (2025)

ATTACHMENT C

EMFAC 2017 Emission Factors (2025)

Building Outdoor Cancer Risk Calculations (Unmitigated)

R1 Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.10145	0.10145	0.10145	0.10145	0.10145	0.10145
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00002191	0.00006408	0.00005210	0.00004402	0.00002045	0.00001802
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	7.31744E-07	1.71196E-05	1.23801E-05	2.09189E-05	3.28464E-06	1.52892E-05
	0.731744357	17.11956576	12.38008147	20.91886664	3.284642592	15.28915269
Cancer Risk Per Million 30-years	42.05					
Cancer Risk Per Million 70-years	54.06					

R2 Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.10305	0.10305	0.10305	0.10305	0.10305	0.10305
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00002226	0.00006509	0.00005293	0.00004472	0.00002077	0.00001906
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	7.43285E-07	1.73896E-05	1.25753E-05	2.12488E-05	3.33645E-06	1.61774E-05
	0.743284929	17.38956384	12.57533165	21.24878469	3.336445728	16.17737786
Cancer Risk Per Million 30-years	42.72					
Cancer Risk Per Million 70-years	55.56					

R3 Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.11463	0.11463	0.11463	0.11463	0.11463	0.11463
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00002476	0.00007241	0.00005887	0.00004974	0.00002311	0.00002121
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	8.2681E-07	1.93437E-05	1.39885E-05	2.36366E-05	3.71137E-06	1.79953E-05
	0.826809814	19.34367494	13.9884548	23.63656661	3.711370925	17.99527243
Cancer Risk Per Million 30-years	47.52					
Cancer Risk Per Million 70-years	61.80					

Building Outdoor Cancer Risk Calculations (Unmitigated)

R4 Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.07934	0.07934	0.07934	0.07934	0.07934	0.07934
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00001714	0.00005012	0.00004075	0.00003443	0.00001599	0.00001468
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	5.72268E-07	1.33885E-05	9.68197E-06	1.63598E-05	2.56879E-06	1.24552E-05
	0.572268086	13.38852979	9.681968102	16.35981152	2.568788006	12.45524657
Cancer Risk Per Million 30-years	32.89					
Cancer Risk Per Million 70-years	42.78					

R5						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0	0	0	0	0	0
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	0
	0	0	0	0	0	0
Cancer Risk Per Million 30-years	0.00					
Cancer Risk Per Million 70-years	0.00					

R6						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0	0	0	0	0	0
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	0
	0	0	0	0	0	0
Cancer Risk Per Million 30-years	0.00					
Cancer Risk Per Million 70-years	0.00					

Building Outdoor Cancer Risk Calculations (Unmitigated)

R7						
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0	0	0	0	0	0
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	0	0	0	0	0	0
	0	0	0	0	0	0
Cancer Risk Per Million 30-years	0.00					
Cancer Risk Per Million 70-years	0.00					

ATTACHMENT D

Cancer Risk Calculations – MERV 16 Indoor

Building Indoor Cancer Risk Calculations (MERV 16)

R1 Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.0030435	0.0030435	0.0030435	0.0030435	0.0030435	0.0030435
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000066	0.00000192	0.00000156	0.00000132	0.00000061	0.00000054
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	2.19523E-08 0.021952331	5.13587E-07 0.513586973	3.71402E-07 0.371402444	6.27566E-07 0.627565999	9.85393E-08 0.098539278	4.58675E-07 0.458674581
Cancer Risk Per Million 30-years	1.26					
Cancer Risk Per Million 70-years	1.62					

R2 Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.0030915	0.0030915	0.0030915	0.0030915	0.0030915	0.0030915
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000067	0.00000195	0.00000159	0.00000134	0.00000062	0.00000057
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	2.22985E-08 0.022298548	5.21687E-07 0.521686915	3.7726E-07 0.377259949	6.37464E-07 0.637463541	1.00093E-07 0.100093372	4.85321E-07 0.485321336
Cancer Risk Per Million 30-years	1.28					
Cancer Risk Per Million 70-years	1.67					

R3 Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.0034389	0.0034389	0.0034389	0.0034389	0.0034389	0.0034389
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000074	0.00000217	0.00000177	0.00000149	0.00000069	0.00000064
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	2.48043E-08 0.024804294	5.8031E-07 0.580310248	4.19654E-07 0.419653644	7.09097E-07 0.709096998	1.11341E-07 0.111341128	5.39858E-07 0.539858173
Cancer Risk Per Million 30-years	1.43					
Cancer Risk Per Million 70-years	1.85					

Building Indoor Cancer Risk Calculations (MERV 16)

R4 Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From AERMOD	0.0023802	0.0023802	0.0023802	0.0023802	0.0023802	0.0023802
Average Breathing Rate per agegroup BR/BW	225	658	535	452	210	185
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	1
10 ⁻⁶ Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000051	0.00000150	0.00000122	0.00000103	0.00000048	0.00000044
Potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED (Residents live onsite for 30 years)	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	1
Risk for Each Age Group	1.7168E-08 0.017168043	4.01656E-07 0.401655894	2.90459E-07 0.290459043	4.90794E-07 0.490794346	7.70636E-08 0.07706364	3.73657E-07 0.373657397
Cancer Risk Per Million 30-years	0.99					
Cancer Risk Per Million 70-years	1.28					