

TECHNICAL MEMORANDUM

DATE: April 28, 2025
TO: Tracy Zinn, T&B Planning, Inc.
FROM: Haseeb Qureshi, Urban Crossroads, Inc.
JOB NO: 14982-06 HRA Memo

SUBJECT: TEMESCAL VALLEY COMMERCE CENTER FOCUSED HEALTH RISK ASSESSMENT

Urban Crossroads has prepared the following Focused Health Risk Assessment (HRA) for the Temescal Valley Commerce Center development (Project), which is located off of Temescal Canyon Road, north of the I-15 Freeway in the County of Riverside.

BACKGROUND

The Temescal Valley Commerce Center (PPT 220039) Mobile Source Health Risk Assessment (previous analysis), dated June 27, 2023, evaluated the potential health risks associated with toxic air contaminant (TAC) emissions resulting from construction and operation of the proposed Project, specifically emissions of diesel particulate matter emitted by construction equipment and heavy-duty trucks accessing the site. The purpose of this memorandum is to evaluate potential changes to the operational health risk as a result of revised truck trip distributions, as detailed in the Temescal Valley Commerce Center Focused Traffic Assessment, prepared by Urban Crossroads, Inc. and dated April 18, 2025. These changes would result in a higher proportion of truck trips being routed on the segment of Temescal Canyon Road north of the Project site.

SUMMARY OF FINDINGS

CONSTRUCTION IMPACTS

Emissions and the resulting risk associated with construction of the proposed Project would remain unchanged from the previous analysis.

OPERATIONAL IMPACTS

Residential Exposure Scenario

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R6 which is located approximately 9,473 feet northwest of the Project site at an existing residence located at 21650 Temescal Canyon Road. R6 is placed in the private outdoor living area (backyard) facing the Project site. Although location R6 is not the nearest receptor, it is the location of the maximally exposed individual receptor (MEIR) due to its location adjacent to a Project truck route and meteorological (wind) conditions at the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 0.36 in one million, which is less than the South Coast Air Quality Management District

(SCAQMD) significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations than the MEIR analyzed herein, and DPM generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. It should be noted that the location of the MEIR remains unchanged from the previous analysis. The nearest modeled receptors are illustrated on Exhibit 1.

Worker Exposure Scenario

The worker receptor land use with the greatest potential exposure to Project operational-source DPM emissions is Location R5, which represents the potential worker receptor approximately 197 feet west of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 0.11 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. It should be noted that the location of the MEIW remains unchanged from the previous analysis. The nearest modeled receptors are illustrated on Exhibit 1.

CONSTRUCTION AND OPERATIONAL IMPACTS

The land use with the greatest potential increased cancer risk due to exposure to Project construction-source and operational-source DPM emissions is Location R3. At this location, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at 0.30 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 1.

Tables 1 and 2 below present the estimated operational and combined construction and operational risk at the MEIR and MEIW. Attachment 1 presents detailed emission calculations, Attachment 2 presents the AERMOD model outputs for the updated operational analysis, and Attachment 3 presents detailed risk calculations.

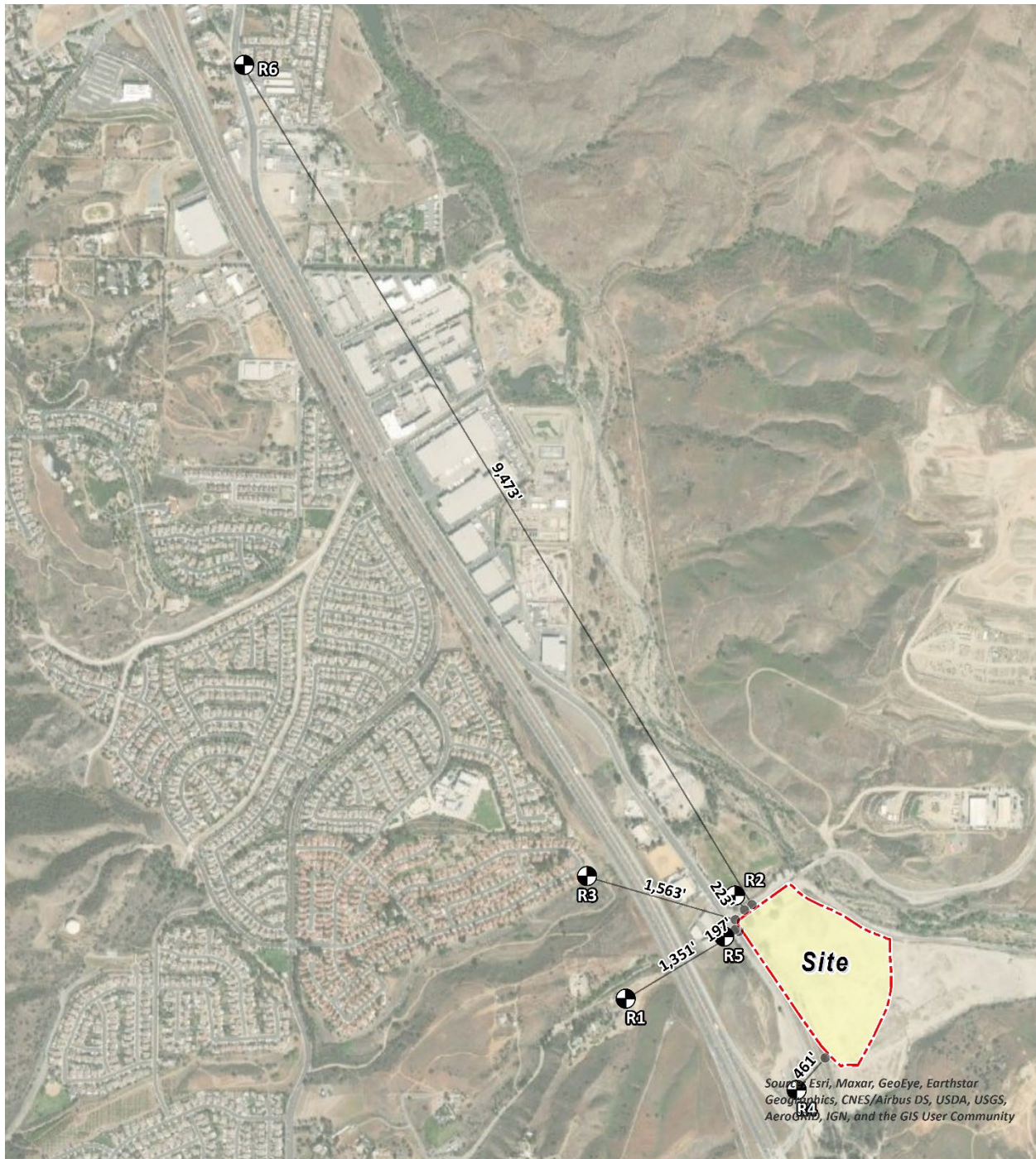
TABLE 1: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS

| Time Period | Location | Maximum Lifetime Cancer Risk (Risk per Million) | Significance Threshold (Risk per Million) | Exceeds Significance Threshold? |
|------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------|
| 30 Year Exposure | Maximum Exposed Sensitive Receptor (Location R6) | 0.36 | 10 | NO |
| 25 Year Exposure | Maximum Exposed Worker Receptor (Location R5) | 0.11 | 10 | NO |
| Time Period | Location | Maximum Hazard Index | Significance Threshold | Exceeds Significance Threshold? |
| Annual Average | Maximum Exposed Sensitive Receptor (Location R6) | < 0.01 | 1.0 | NO |
| Annual Average | Maximum Exposed Worker Receptor (Location R5) | < 0.01 | 1.0 | NO |

TABLE 2: SUMMARY OF CONSTRUCTION AND OPERATIONAL CANCER AND NON-CANCER RISKS

| Time Period | Location | Maximum Lifetime Cancer Risk (Risk per Million) | Significance Threshold (Risk per Million) | Exceeds Significance Threshold? |
|------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------|
| 30 Year Exposure | Maximum Exposed Sensitive Receptor (Location R3) | 0.30 | 10 | NO |
| Time Period | Location | Maximum Hazard Index | Significance Threshold | Exceeds Significance Threshold? |
| Annual Average | Maximum Exposed Sensitive Receptor (Location R3) | < 0.01 | 1.0 | NO |

EXHIBIT 1: RECEPTOR LOCATIONS



LEGEND:

- Site Boundary
- Receptor Locations
- Distance from receptor to Project site boundary (in feet)

APPENDIX 1:
EMISSION CALCULATIONS

**AVERAGE EMISSION FACTOR
RIVERSIDE COUNTY 2024**

| Speed | LHD1 | LHD2 | MHD | HHD |
|-------|----------|----------|----------|---------|
| 0 | 0.364164 | 0.578609 | 0.062209 | 0.01271 |
| 5 | 0.048579 | 0.069107 | 0.036909 | 0.01206 |
| 25 | 0.022221 | 0.03303 | 0.009618 | 0.00621 |

| Speed | Weighted Average Emissions |
|-----------|----------------------------|
| 0 | 0.08972 |
| 5 | 0.02405 |
| 25 | 0.00999 |

| Truck Emission Rates | | | | | | |
|---------------------------------------------------------------|----------------|---------------------------------|--------------------------------------------------|-------------------------------------------------------|---------------------------------------------------|--------------------------------------|
| Source | Trucks Per Day | VMT ^a (miles/day) | Truck Emission Rate ^b (grams/mile) | Truck Emission Rate ^b (grams/idle-hour) | Daily Truck Emissions ^c (grams/day) | Modeled Emission Rates (g/second) |
| On-Site Idling - Building 1 | 14 | | | 0.0897 | 0.31 | 3.531E-06 |
| On-Site Idling - Building 2 | 10 | | | 0.0897 | 0.22 | 2.506E-06 |
| On-Site Idling - Building 3 | 52 | | | 0.0897 | 1.17 | 1.357E-05 |
| On-Site Idling - Building 4 | 30 | | | 0.0897 | 0.68 | 7.828E-06 |
| On-Site Idling - Building 5 | 33 | | | 0.0897 | 0.73 | 8.498E-06 |
| On-Site Idling - Building 6 | 26 | | | 0.0897 | 0.58 | 6.744E-06 |
| On-Site Idling - Building 7 | 18 | | | 0.0897 | 0.40 | 4.576E-06 |
| On-Site Travel 32.5% | 118 | 8.81 | 0.0241 | | 0.21 | 2.454E-06 |
| On-Site Travel 18% | 66 | 5.98 | 0.0241 | | 0.14 | 1.664E-06 |
| On-Site Travel 29% | 106 | 15.91 | 0.0241 | | 0.38 | 4.428E-06 |
| On-Site Travel 5% | 18 | 1.19 | 0.0241 | | 0.03 | 3.303E-07 |
| On-Site Travel 7% | 25 | 1.89 | 0.0241 | | 0.05 | 5.254E-07 |
| On-Site Travel 10% S | 36 | 3.13 | 0.0241 | | 0.08 | 8.721E-07 |
| On-Site Travel 25% C | 91 | 7.93 | 0.0241 | | 0.19 | 2.209E-06 |
| On-Site Travel 22.5% N | 82 | 5.27 | 0.0241 | | 0.13 | 1.466E-06 |
| On-Site Travel 14% | 51 | 4.85 | 0.0241 | | 0.12 | 1.351E-06 |
| On-Site Travel 17% | 62 | 6.22 | 0.0241 | | 0.15 | 1.732E-06 |
| Off-Site Travel - Dawson Canyon Road 10% Inbound/Outbound | 36 | 1.47 | 0.0100 | | 0.01 | 1.701E-07 |
| Off-Site Travel - Dawson Canyon Road 35% Inbound/Outbound | 127 | 13.04 | 0.0100 | | 0.13 | 1.508E-06 |
| Off-Site Travel - Dawson Canyon Road 57.5% Inbound/Outbound | 209 | 23.81 | 0.0100 | | 0.24 | 2.755E-06 |
| Off-Site Travel - Dawson Canyon Road 67.5% Inbound/Outbound | 246 | 18.69 | 0.0100 | | 0.19 | 2.162E-06 |
| Off-Site Travel - Temescal Canyon Road 22.5% Inbound/Outbound | 82 | 179.64 | 0.0100 | | 1.80 | 2.078E-05 |
| Off-Site Travel - Temescal Canyon Road 42.5% Inbound/Outbound | 155 | 34.40 | 0.0100 | | 0.34 | 3.980E-06 |
| Off-Site Travel - Temescal Canyon Road 77.5% Inbound/Outbound | 282 | 104.61 | 0.0100 | | 1.05 | 1.210E-05 |

^a Vehicle miles traveled are for modeled truck route only.

^b Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

^c This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

| calendar_y | season_m | sub_area | vehicle_class | fuel | temperatu | relative_hu | process | speed_tim | pollutant | emission_rate |
|------------|----------|-----------|---------------|------|-----------|-------------|---------|-----------|-----------|---------------|
| 2024 | Annual | Riverside | HHDT | Dsl | 60 | 70 | RUNEX | 5 | PM10 | 0.012665 |
| 2024 | Annual | Riverside | HHDT | Dsl | 60 | 70 | RUNEX | 25 | PM10 | 0.006524 |
| 2024 | Annual | Riverside | HHDT | Dsl | | | IDLEX | | PM10 | 0.013354 |
| 2024 | Annual | Riverside | LHDT1 | Dsl | 60 | 70 | RUNEX | 5 | PM10 | 0.105382 |
| 2024 | Annual | Riverside | LHDT1 | Dsl | 60 | 70 | RUNEX | 25 | PM10 | 0.048204 |
| 2024 | Annual | Riverside | LHDT1 | Dsl | | | IDLEX | | PM10 | 0.789975 |
| 2024 | Annual | Riverside | LHDT2 | Dsl | 60 | 70 | RUNEX | 5 | PM10 | 0.094294 |
| 2024 | Annual | Riverside | LHDT2 | Dsl | 60 | 70 | RUNEX | 25 | PM10 | 0.045068 |
| 2024 | Annual | Riverside | LHDT2 | Dsl | | | IDLEX | | PM10 | 0.789487 |
| 2024 | Annual | Riverside | MHDT | Dsl | 60 | 70 | RUNEX | 5 | PM10 | 0.040436 |
| 2024 | Annual | Riverside | MHDT | Dsl | 60 | 70 | RUNEX | 25 | PM10 | 0.010537 |
| 2024 | Annual | Riverside | MHDT | Dsl | | | IDLEX | | PM10 | 0.068154 |

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2024

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

| Region | Calendar | Vehicle C | Model Year | Speed | Fuel | Population |
|-----------|----------|-----------|------------|-----------|-------------|------------|
| Riverside | 2024 | HHDT | Aggregate | Aggregate | Gasoline | 7.58948 |
| Riverside | 2024 | HHDT | Aggregate | Aggregate | Diesel | 14792 |
| Riverside | 2024 | HHDT | Aggregate | Aggregate | Natural Gas | 740.071 |
| Riverside | 2024 | LHDT1 | Aggregate | Aggregate | Gasoline | 17828.7 |
| Riverside | 2024 | LHDT1 | Aggregate | Aggregate | Diesel | 15247.6 |
| Riverside | 2024 | LHDT2 | Aggregate | Aggregate | Gasoline | 2494.68 |
| Riverside | 2024 | LHDT2 | Aggregate | Aggregate | Diesel | 6844.93 |
| Riverside | 2024 | MHDT | Aggregate | Aggregate | Gasoline | 1238 |
| Riverside | 2024 | MHDT | Aggregate | Aggregate | Diesel | 12954.4 |
| Riverside | 2024 | MHDT | Aggregate | Aggregate | Natural Gas | 158.047 |

| | |
|--------------|---------|
| HHDT% GAS/NG | 0.04811 |
| HHDT% DSL | 0.95189 |
| LHDT1% GAS | 0.53902 |
| LHDT1% DSL | 0.46098 |
| LHDT2% GAS | 0.26711 |
| LHDT2% DSL | 0.73289 |
| MHDT% GAS | 0.08723 |
| MHDT% DSL | 0.91277 |

APPENDIX 2:
AERMOD MODEL OUTPUTS

```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 4/22/2025
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14982 Corona Clay\14982 Ops\14982 Ops.ADI
**
```

```
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
```

```
CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14982 Corona Clay\14982 Ops\149
MODELOPT DFAULT CONC
AVERTIME PERIOD
URBANOPT 2189641 Riverside_County
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "14982 Ops.err"
```

```
CO FINISHED
**
*****
```

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

```
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
```

```
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Bldg 1 Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.531E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 454844.785, 3738225.888, 285.01, 3.49, 4.00
** 454861.481, 3738199.426, 285.13, 3.49, 4.00
** -----
```

```
LOCATION L0000611      VOLUME  454847.077 3738222.255 284.88
LOCATION L0000612      VOLUME  454851.661 3738214.990 284.97
LOCATION L0000613      VOLUME  454856.244 3738207.726 285.06
LOCATION L0000614      VOLUME  454860.828 3738200.461 285.15
** End of LINE VOLUME Source ID = SLINE1
** -----
```

```
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Bldg 2 Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.506E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
```

** 454913.143, 3738234.393, 283.63, 3.49, 4.00
** 454894.557, 3738259.909, 283.09, 3.49, 4.00

LOCATION L0000615 VOLUME 454910.615 3738237.865 283.39
LOCATION L0000616 VOLUME 454905.557 3738244.808 283.30
LOCATION L0000617 VOLUME 454900.500 3738251.751 283.14
LOCATION L0000618 VOLUME 454895.442 3738258.695 283.14

** End of LINE VOLUME Source ID = SLINE2

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Bldg 3 Idle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.00001357

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 454924.799, 3738152.489, 285.26, 3.49, 4.00

** 455005.758, 3738037.193, 286.72, 3.49, 4.00

LOCATION L0000619 VOLUME 454927.267 3738148.974 285.57
LOCATION L0000620 VOLUME 454932.204 3738141.944 285.72
LOCATION L0000621 VOLUME 454937.140 3738134.914 285.79
LOCATION L0000622 VOLUME 454942.076 3738127.884 285.86
LOCATION L0000623 VOLUME 454947.013 3738120.854 285.93
LOCATION L0000624 VOLUME 454951.949 3738113.824 286.00
LOCATION L0000625 VOLUME 454956.885 3738106.794 286.07
LOCATION L0000626 VOLUME 454961.822 3738099.764 286.14
LOCATION L0000627 VOLUME 454966.758 3738092.734 286.21
LOCATION L0000628 VOLUME 454971.694 3738085.704 286.28
LOCATION L0000629 VOLUME 454976.631 3738078.674 286.35
LOCATION L0000630 VOLUME 454981.567 3738071.644 286.38
LOCATION L0000631 VOLUME 454986.503 3738064.614 286.45
LOCATION L0000632 VOLUME 454991.440 3738057.584 286.56
LOCATION L0000633 VOLUME 454996.376 3738050.554 286.63
LOCATION L0000634 VOLUME 455001.312 3738043.524 286.70

** End of LINE VOLUME Source ID = SLINE3

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Bldg 4 Idle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 7.828E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 454982.447, 3738189.346, 282.95, 3.49, 4.00

** 455027.494, 3738125.713, 283.84, 3.49, 4.00

LOCATION L0000635 VOLUME 454984.929 3738185.840 283.05
LOCATION L0000636 VOLUME 454989.892 3738178.829 283.00
LOCATION L0000637 VOLUME 454994.855 3738171.818 282.97
LOCATION L0000638 VOLUME 454999.818 3738164.807 283.04
LOCATION L0000639 VOLUME 455004.782 3738157.796 283.28
LOCATION L0000640 VOLUME 455009.745 3738150.785 283.51
LOCATION L0000641 VOLUME 455014.708 3738143.774 283.74
LOCATION L0000642 VOLUME 455019.671 3738136.763 283.98
LOCATION L0000643 VOLUME 455024.635 3738129.752 283.87

** End of LINE VOLUME Source ID = SLINE4

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC Bldg 5 Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 8.498E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 455067.186, 3737947.728, 288.19, 3.49, 4.00
** 455122.314, 3737871.494, 292.02, 3.49, 4.00

| | | | | |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000644 | VOLUME | 455069.703 | 3737944.248 | 288.39 |
| LOCATION L0000645 | VOLUME | 455074.737 | 3737937.287 | 288.63 |
| LOCATION L0000646 | VOLUME | 455079.770 | 3737930.327 | 288.86 |
| LOCATION L0000647 | VOLUME | 455084.804 | 3737923.366 | 289.09 |
| LOCATION L0000648 | VOLUME | 455089.837 | 3737916.405 | 289.32 |
| LOCATION L0000649 | VOLUME | 455094.871 | 3737909.444 | 289.56 |
| LOCATION L0000650 | VOLUME | 455099.905 | 3737902.484 | 289.79 |
| LOCATION L0000651 | VOLUME | 455104.938 | 3737895.523 | 290.04 |
| LOCATION L0000652 | VOLUME | 455109.972 | 3737888.562 | 290.50 |
| LOCATION L0000653 | VOLUME | 455115.005 | 3737881.602 | 290.97 |
| LOCATION L0000654 | VOLUME | 455120.039 | 3737874.641 | 291.43 |

** End of LINE VOLUME Source ID = SLINE5

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC Bldg 6 Idle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 6.744E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 455082.622, 3738045.698, 285.02, 3.49, 4.00

** 455137.120, 3737969.779, 287.28, 3.49, 4.00

| | | | | |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000655 | VOLUME | 455085.127 | 3738042.209 | 285.13 |
| LOCATION L0000656 | VOLUME | 455090.136 | 3738035.231 | 285.36 |
| LOCATION L0000657 | VOLUME | 455095.145 | 3738028.253 | 285.59 |
| LOCATION L0000658 | VOLUME | 455100.155 | 3738021.275 | 285.83 |
| LOCATION L0000659 | VOLUME | 455105.164 | 3738014.296 | 286.06 |
| LOCATION L0000660 | VOLUME | 455110.173 | 3738007.318 | 286.27 |
| LOCATION L0000661 | VOLUME | 455115.182 | 3738000.340 | 286.34 |
| LOCATION L0000662 | VOLUME | 455120.192 | 3737993.362 | 286.41 |
| LOCATION L0000663 | VOLUME | 455125.201 | 3737986.384 | 286.47 |
| LOCATION L0000664 | VOLUME | 455130.210 | 3737979.405 | 286.54 |
| LOCATION L0000665 | VOLUME | 455135.219 | 3737972.427 | 286.60 |

** End of LINE VOLUME Source ID = SLINE6

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE7

** DESCRSRC Bldg 7 Idle

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 4.576E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 455161.691, 3738060.189, 283.85, 3.49, 4.00

** 455185.632, 3738076.885, 283.95, 3.49, 4.00

| | | | | |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000666 | VOLUME | 455165.214 | 3738062.646 | 283.92 |
| LOCATION L0000667 | VOLUME | 455172.260 | 3738067.560 | 284.00 |
| LOCATION L0000668 | VOLUME | 455179.306 | 3738072.473 | 284.00 |

** End of LINE VOLUME Source ID = SLINE7

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE8

** DESCRSRC Onsite 32.5%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 2.454E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 454955.986, 3737924.417, 290.04, 3.49, 4.00

** 455052.696, 3737995.296, 287.11, 3.49, 4.00

** -----

| | | | | |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0001621 | VOLUME | 454959.450 | 3737926.956 | 289.94 |
| LOCATION L0001622 | VOLUME | 454966.378 | 3737932.034 | 289.73 |
| LOCATION L0001623 | VOLUME | 454973.307 | 3737937.112 | 289.52 |
| LOCATION L0001624 | VOLUME | 454980.235 | 3737942.190 | 289.31 |
| LOCATION L0001625 | VOLUME | 454987.164 | 3737947.267 | 289.10 |
| LOCATION L0001626 | VOLUME | 454994.092 | 3737952.345 | 288.89 |
| LOCATION L0001627 | VOLUME | 455001.021 | 3737957.423 | 288.68 |
| LOCATION L0001628 | VOLUME | 455007.949 | 3737962.501 | 288.47 |
| LOCATION L0001629 | VOLUME | 455014.877 | 3737967.579 | 288.26 |
| LOCATION L0001630 | VOLUME | 455021.806 | 3737972.657 | 288.05 |
| LOCATION L0001631 | VOLUME | 455028.734 | 3737977.735 | 287.84 |
| LOCATION L0001632 | VOLUME | 455035.663 | 3737982.812 | 287.63 |
| LOCATION L0001633 | VOLUME | 455042.591 | 3737987.890 | 287.42 |
| LOCATION L0001634 | VOLUME | 455049.520 | 3737992.968 | 287.21 |

** End of LINE VOLUME Source ID = SLINE8

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE9

** DESCRSRC Onsite 18%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.664E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 455053.956, 3737996.556, 287.13, 3.49, 4.00

** 455139.325, 3737877.165, 292.15, 3.49, 4.00

** -----

| | | | | |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000683 | VOLUME | 455056.454 | 3737993.062 | 286.77 |
| LOCATION L0000684 | VOLUME | 455061.450 | 3737986.075 | 287.00 |
| LOCATION L0000685 | VOLUME | 455066.447 | 3737979.087 | 287.23 |
| LOCATION L0000686 | VOLUME | 455071.443 | 3737972.100 | 287.47 |
| LOCATION L0000687 | VOLUME | 455076.439 | 3737965.112 | 287.70 |
| LOCATION L0000688 | VOLUME | 455081.435 | 3737958.125 | 287.93 |
| LOCATION L0000689 | VOLUME | 455086.432 | 3737951.137 | 288.17 |
| LOCATION L0000690 | VOLUME | 455091.428 | 3737944.150 | 288.40 |
| LOCATION L0000691 | VOLUME | 455096.424 | 3737937.162 | 288.63 |
| LOCATION L0000692 | VOLUME | 455101.421 | 3737930.175 | 288.86 |
| LOCATION L0000693 | VOLUME | 455106.417 | 3737923.187 | 289.10 |
| LOCATION L0000694 | VOLUME | 455111.413 | 3737916.200 | 289.33 |
| LOCATION L0000695 | VOLUME | 455116.410 | 3737909.212 | 289.56 |
| LOCATION L0000696 | VOLUME | 455121.406 | 3737902.225 | 289.80 |
| LOCATION L0000697 | VOLUME | 455126.402 | 3737895.237 | 290.06 |
| LOCATION L0000698 | VOLUME | 455131.399 | 3737888.250 | 290.52 |
| LOCATION L0000699 | VOLUME | 455136.395 | 3737881.262 | 290.99 |

** End of LINE VOLUME Source ID = SLINE9

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC Onsite 29%

** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 4.428E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
** 455051.751, 3737999.076, 287.17, 3.49, 4.00
** 455023.399, 3738042.233, 286.06, 3.49, 4.00
** 454912.513, 3738197.536, 284.13, 3.49, 4.00

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000700 | VOLUME | 455049.392 | 3738002.666 | 286.46 |
| LOCATION | L0000701 | VOLUME | 455044.676 | 3738009.845 | 286.37 |
| LOCATION | L0000702 | VOLUME | 455039.960 | 3738017.024 | 286.31 |
| LOCATION | L0000703 | VOLUME | 455035.243 | 3738024.204 | 286.35 |
| LOCATION | L0000704 | VOLUME | 455030.527 | 3738031.383 | 286.31 |
| LOCATION | L0000705 | VOLUME | 455025.810 | 3738038.563 | 286.20 |
| LOCATION | L0000706 | VOLUME | 455020.960 | 3738045.650 | 286.01 |
| LOCATION | L0000707 | VOLUME | 455015.968 | 3738052.641 | 285.90 |
| LOCATION | L0000708 | VOLUME | 455010.977 | 3738059.632 | 285.84 |
| LOCATION | L0000709 | VOLUME | 455005.985 | 3738066.623 | 285.77 |
| LOCATION | L0000710 | VOLUME | 455000.994 | 3738073.614 | 285.70 |
| LOCATION | L0000711 | VOLUME | 454996.002 | 3738080.605 | 285.64 |
| LOCATION | L0000712 | VOLUME | 454991.011 | 3738087.596 | 285.57 |
| LOCATION | L0000713 | VOLUME | 454986.019 | 3738094.586 | 285.50 |
| LOCATION | L0000714 | VOLUME | 454981.028 | 3738101.577 | 285.44 |
| LOCATION | L0000715 | VOLUME | 454976.036 | 3738108.568 | 285.37 |
| LOCATION | L0000716 | VOLUME | 454971.045 | 3738115.559 | 285.30 |
| LOCATION | L0000717 | VOLUME | 454966.053 | 3738122.550 | 285.24 |
| LOCATION | L0000718 | VOLUME | 454961.062 | 3738129.541 | 285.17 |
| LOCATION | L0000719 | VOLUME | 454956.070 | 3738136.532 | 285.10 |
| LOCATION | L0000720 | VOLUME | 454951.079 | 3738143.523 | 285.04 |
| LOCATION | L0000721 | VOLUME | 454946.087 | 3738150.514 | 284.97 |
| LOCATION | L0000722 | VOLUME | 454941.096 | 3738157.505 | 284.90 |
| LOCATION | L0000723 | VOLUME | 454936.104 | 3738164.496 | 284.84 |
| LOCATION | L0000724 | VOLUME | 454931.113 | 3738171.487 | 284.77 |
| LOCATION | L0000725 | VOLUME | 454926.121 | 3738178.478 | 284.59 |
| LOCATION | L0000726 | VOLUME | 454921.130 | 3738185.469 | 284.35 |
| LOCATION | L0000727 | VOLUME | 454916.138 | 3738192.459 | 284.12 |

** End of LINE VOLUME Source ID = SLINE10

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE11

** DESCRSRC Onsite 5%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 3.303E-07

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 4

** 454847.620, 3738272.825, 284.38, 3.49, 4.00

** 454853.605, 3738263.690, 284.61, 3.49, 4.00

** 454866.836, 3738264.635, 284.02, 3.49, 4.00

** 454911.253, 3738197.221, 284.13, 3.49, 4.00

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000728 | VOLUME | 454849.974 | 3738269.233 | 284.37 |
| LOCATION | L0000729 | VOLUME | 454855.564 | 3738263.830 | 284.35 |
| LOCATION | L0000730 | VOLUME | 454864.132 | 3738264.442 | 284.13 |
| LOCATION | L0000731 | VOLUME | 454870.071 | 3738259.725 | 283.99 |
| LOCATION | L0000732 | VOLUME | 454874.797 | 3738252.552 | 283.85 |
| LOCATION | L0000733 | VOLUME | 454879.523 | 3738245.379 | 283.79 |
| LOCATION | L0000734 | VOLUME | 454884.249 | 3738238.206 | 283.80 |
| LOCATION | L0000735 | VOLUME | 454888.975 | 3738231.033 | 283.89 |
| LOCATION | L0000736 | VOLUME | 454893.701 | 3738223.860 | 284.01 |
| LOCATION | L0000737 | VOLUME | 454898.427 | 3738216.688 | 284.01 |

LOCATION L0000738 VOLUME 454903.154 3738209.515 283.95
LOCATION L0000739 VOLUME 454907.880 3738202.342 283.94

** End of LINE VOLUME Source ID = SLINE11

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC Onsite 7%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 5.254E-07

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 6

** 454847.620, 3738271.565, 284.43, 3.49, 4.00

** 454854.550, 3738261.485, 284.56, 3.49, 4.00

** 454849.825, 3738255.814, 284.81, 3.49, 4.00

** 454853.605, 3738246.679, 284.66, 3.49, 4.00

** 454897.078, 3738187.456, 284.20, 3.49, 4.00

** 454911.253, 3738195.331, 284.13, 3.49, 4.00

**

LOCATION L0000740 VOLUME 454850.053 3738268.026 284.39

LOCATION L0000741 VOLUME 454854.133 3738260.984 284.43

LOCATION L0000742 VOLUME 454850.537 3738254.095 284.64

LOCATION L0000743 VOLUME 454853.939 3738246.224 284.52

LOCATION L0000744 VOLUME 454859.022 3738239.299 284.35

LOCATION L0000745 VOLUME 454864.105 3738232.375 284.18

LOCATION L0000746 VOLUME 454869.188 3738225.450 284.04

LOCATION L0000747 VOLUME 454874.271 3738218.525 284.21

LOCATION L0000748 VOLUME 454879.354 3738211.601 284.33

LOCATION L0000749 VOLUME 454884.437 3738204.676 284.36

LOCATION L0000750 VOLUME 454889.520 3738197.751 284.32

LOCATION L0000751 VOLUME 454894.603 3738190.827 284.34

LOCATION L0000752 VOLUME 454900.931 3738189.597 284.22

LOCATION L0000753 VOLUME 454908.440 3738193.768 284.08

** End of LINE VOLUME Source ID = SLINE12

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE13

** DESCRSRC Onsite 10% S Bldg 7

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 8.721E-07

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 5

** 455191.933, 3738165.405, 285.03, 3.49, 4.00

** 455190.043, 3738155.324, 285.06, 3.49, 4.00

** 455196.658, 3738067.435, 284.00, 3.49, 4.00

** 455196.028, 3738057.984, 284.15, 3.49, 4.00

** 455171.457, 3738039.713, 284.06, 3.49, 4.00

**

LOCATION L0000754 VOLUME 455191.141 3738161.183 285.00

LOCATION L0000755 VOLUME 455190.240 3738152.703 285.00

LOCATION L0000756 VOLUME 455190.885 3738144.137 285.00

LOCATION L0000757 VOLUME 455191.529 3738135.571 284.98

LOCATION L0000758 VOLUME 455192.174 3738127.005 284.70

LOCATION L0000759 VOLUME 455192.819 3738118.440 284.41

LOCATION L0000760 VOLUME 455193.464 3738109.874 284.13

LOCATION L0000761 VOLUME 455194.108 3738101.308 284.00

LOCATION L0000762 VOLUME 455194.753 3738092.742 284.00

LOCATION L0000763 VOLUME 455195.398 3738084.176 284.00

LOCATION L0000764 VOLUME 455196.043 3738075.611 284.00

LOCATION L0000765 VOLUME 455196.632 3738067.045 284.00

LOCATION L0000766 VOLUME 455196.061 3738058.474 284.00

| | | | | |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000767 | VOLUME | 455189.529 | 3738053.151 | 284.00 |
| LOCATION L0000768 | VOLUME | 455182.636 | 3738048.026 | 284.00 |
| LOCATION L0000769 | VOLUME | 455175.742 | 3738042.900 | 284.11 |

** End of LINE VOLUME Source ID = SLINE13

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE14

** DESCRSRC Onsite 25% C

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 2.209E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 455131.450, 3738189.661, 284.86, 3.49, 4.00

** 455094.908, 3738121.932, 283.00, 3.49, 4.00

** 455043.560, 3738084.760, 284.99, 3.49, 4.00

**

| | | | | |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0001593 | VOLUME | 455129.410 | 3738185.881 | 284.76 |
| LOCATION L0001594 | VOLUME | 455125.331 | 3738178.321 | 284.55 |
| LOCATION L0001595 | VOLUME | 455121.253 | 3738170.761 | 284.34 |
| LOCATION L0001596 | VOLUME | 455117.174 | 3738163.201 | 284.13 |
| LOCATION L0001597 | VOLUME | 455113.095 | 3738155.641 | 283.93 |
| LOCATION L0001598 | VOLUME | 455109.016 | 3738148.082 | 283.72 |
| LOCATION L0001599 | VOLUME | 455104.937 | 3738140.522 | 283.51 |
| LOCATION L0001600 | VOLUME | 455100.859 | 3738132.962 | 283.30 |
| LOCATION L0001601 | VOLUME | 455096.780 | 3738125.402 | 283.10 |
| LOCATION L0001602 | VOLUME | 455091.143 | 3738119.207 | 283.15 |
| LOCATION L0001603 | VOLUME | 455084.185 | 3738114.170 | 283.42 |
| LOCATION L0001604 | VOLUME | 455077.227 | 3738109.133 | 283.69 |
| LOCATION L0001605 | VOLUME | 455070.269 | 3738104.096 | 283.95 |
| LOCATION L0001606 | VOLUME | 455063.311 | 3738099.058 | 284.22 |
| LOCATION L0001607 | VOLUME | 455056.353 | 3738094.021 | 284.49 |
| LOCATION L0001608 | VOLUME | 455049.395 | 3738088.984 | 284.76 |

** End of LINE VOLUME Source ID = SLINE14

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE15

** DESCRSRC Onsite 22.5% N

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.466E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 4

** 454985.282, 3738268.730, 282.00, 3.49, 4.00

** 454978.352, 3738246.364, 282.20, 3.49, 4.00

** 454973.312, 3738240.378, 282.41, 3.49, 4.00

** 454914.403, 3738198.481, 284.13, 3.49, 4.00

**

| | | | | |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0001609 | VOLUME | 454984.011 | 3738264.627 | 282.04 |
| LOCATION L0001610 | VOLUME | 454981.468 | 3738256.422 | 282.11 |
| LOCATION L0001611 | VOLUME | 454978.926 | 3738248.217 | 282.18 |
| LOCATION L0001612 | VOLUME | 454974.068 | 3738241.277 | 282.38 |
| LOCATION L0001613 | VOLUME | 454967.269 | 3738236.081 | 282.59 |
| LOCATION L0001614 | VOLUME | 454960.269 | 3738231.102 | 282.79 |
| LOCATION L0001615 | VOLUME | 454953.269 | 3738226.124 | 283.00 |
| LOCATION L0001616 | VOLUME | 454946.269 | 3738221.145 | 283.20 |
| LOCATION L0001617 | VOLUME | 454939.269 | 3738216.166 | 283.40 |
| LOCATION L0001618 | VOLUME | 454932.269 | 3738211.188 | 283.61 |
| LOCATION L0001619 | VOLUME | 454925.269 | 3738206.209 | 283.81 |
| LOCATION L0001620 | VOLUME | 454918.269 | 3738201.230 | 284.02 |

** End of LINE VOLUME Source ID = SLINE15

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE16

** DESCRSRC Onsite 14% Bldg 6

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.351E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 455126.724, 3737955.604, 287.51, 3.49, 4.00

** 455039.465, 3738081.610, 285.09, 3.49, 4.00

**

| | | | | |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000798 | VOLUME | 455124.279 | 3737959.135 | 287.41 |
| LOCATION L0000799 | VOLUME | 455119.389 | 3737966.197 | 287.34 |
| LOCATION L0000800 | VOLUME | 455114.498 | 3737973.259 | 287.27 |
| LOCATION L0000801 | VOLUME | 455109.608 | 3737980.321 | 287.19 |
| LOCATION L0000802 | VOLUME | 455104.718 | 3737987.383 | 286.96 |
| LOCATION L0000803 | VOLUME | 455099.827 | 3737994.445 | 286.72 |
| LOCATION L0000804 | VOLUME | 455094.937 | 3738001.507 | 286.49 |
| LOCATION L0000805 | VOLUME | 455090.046 | 3738008.569 | 286.25 |
| LOCATION L0000806 | VOLUME | 455085.156 | 3738015.631 | 286.02 |
| LOCATION L0000807 | VOLUME | 455080.265 | 3738022.693 | 285.78 |
| LOCATION L0000808 | VOLUME | 455075.375 | 3738029.755 | 285.61 |
| LOCATION L0000809 | VOLUME | 455070.484 | 3738036.817 | 285.52 |
| LOCATION L0000810 | VOLUME | 455065.594 | 3738043.879 | 285.51 |
| LOCATION L0000811 | VOLUME | 455060.704 | 3738050.941 | 285.47 |
| LOCATION L0000812 | VOLUME | 455055.813 | 3738058.003 | 285.40 |
| LOCATION L0000813 | VOLUME | 455050.923 | 3738065.065 | 285.32 |
| LOCATION L0000814 | VOLUME | 455046.032 | 3738072.127 | 285.13 |
| LOCATION L0000815 | VOLUME | 455041.142 | 3738079.189 | 284.90 |

** End of LINE VOLUME Source ID = SLINE16

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE17

** DESCRSRC Onsite 17% Bldg 4

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 1.732E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 454944.330, 3738213.917, 283.30, 3.49, 4.00

** 455037.890, 3738081.925, 285.11, 3.49, 4.00

**

| | | | | |
|-------------------|--------|------------|-------------|--------|
| LOCATION L0000816 | VOLUME | 454946.814 | 3738210.413 | 283.22 |
| LOCATION L0000817 | VOLUME | 454951.781 | 3738203.405 | 283.20 |
| LOCATION L0000818 | VOLUME | 454956.749 | 3738196.397 | 283.10 |
| LOCATION L0000819 | VOLUME | 454961.716 | 3738189.389 | 283.21 |
| LOCATION L0000820 | VOLUME | 454966.684 | 3738182.381 | 283.35 |
| LOCATION L0000821 | VOLUME | 454971.651 | 3738175.373 | 283.41 |
| LOCATION L0000822 | VOLUME | 454976.619 | 3738168.365 | 283.40 |
| LOCATION L0000823 | VOLUME | 454981.586 | 3738161.357 | 283.43 |
| LOCATION L0000824 | VOLUME | 454986.554 | 3738154.349 | 283.49 |
| LOCATION L0000825 | VOLUME | 454991.521 | 3738147.341 | 283.63 |
| LOCATION L0000826 | VOLUME | 454996.489 | 3738140.333 | 283.86 |
| LOCATION L0000827 | VOLUME | 455001.456 | 3738133.325 | 284.06 |
| LOCATION L0000828 | VOLUME | 455006.424 | 3738126.317 | 284.14 |
| LOCATION L0000829 | VOLUME | 455011.391 | 3738119.309 | 284.15 |
| LOCATION L0000830 | VOLUME | 455016.359 | 3738112.301 | 284.09 |
| LOCATION L0000831 | VOLUME | 455021.326 | 3738105.293 | 284.03 |
| LOCATION L0000832 | VOLUME | 455026.294 | 3738098.285 | 284.26 |
| LOCATION L0000833 | VOLUME | 455031.261 | 3738091.277 | 284.49 |
| LOCATION L0000834 | VOLUME | 455036.229 | 3738084.269 | 284.73 |

** End of LINE VOLUME Source ID = SLINE17

```

** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE18
** DESCRSRC Dawson Cyn 10%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.701E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 455193.823, 3738170.130, 285.03, 3.49, 4.00
** 455173.347, 3738176.745, 285.00, 3.49, 4.00
** 455155.076, 3738183.676, 284.94, 3.49, 4.00
** 455133.655, 3738194.386, 284.94, 3.49, 4.00
** -----
LOCATION L0000835      VOLUME  455189.736 3738171.450 285.24
LOCATION L0000836      VOLUME  455181.562 3738174.091 285.21
LOCATION L0000837      VOLUME  455173.388 3738176.732 285.09
LOCATION L0000838      VOLUME  455165.356 3738179.776 285.00
LOCATION L0000839      VOLUME  455157.324 3738182.823 285.00
LOCATION L0000840      VOLUME  455149.543 3738186.442 285.00
LOCATION L0000841      VOLUME  455141.860 3738190.283 285.00
LOCATION L0000842      VOLUME  455134.177 3738194.125 284.82
** End of LINE VOLUME Source ID = SLINE18
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC Dawson Cyn 35%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.508E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 7
** 455131.765, 3738195.331, 284.90, 3.49, 4.00
** 455109.084, 3738208.562, 283.99, 3.49, 4.00
** 455089.238, 3738222.738, 284.04, 3.49, 4.00
** 455062.146, 3738239.433, 283.18, 3.49, 4.00
** 455036.945, 3738250.774, 282.54, 3.49, 4.00
** 455010.483, 3738262.430, 282.06, 3.49, 4.00
** 454987.172, 3738273.140, 281.54, 3.49, 4.00
** -----
LOCATION L0001218      VOLUME  455128.055 3738197.495 284.75
LOCATION L0001219      VOLUME  455120.635 3738201.823 284.45
LOCATION L0001220      VOLUME  455113.215 3738206.152 284.16
LOCATION L0001221      VOLUME  455105.986 3738210.775 284.00
LOCATION L0001222      VOLUME  455098.996 3738215.767 284.02
LOCATION L0001223      VOLUME  455092.006 3738220.760 284.03
LOCATION L0001224      VOLUME  455084.821 3738225.459 283.90
LOCATION L0001225      VOLUME  455077.508 3738229.966 283.67
LOCATION L0001226      VOLUME  455070.195 3738234.473 283.44
LOCATION L0001227      VOLUME  455062.882 3738238.980 283.20
LOCATION L0001228      VOLUME  455055.101 3738242.604 283.00
LOCATION L0001229      VOLUME  455047.268 3738246.129 282.80
LOCATION L0001230      VOLUME  455039.435 3738249.654 282.60
LOCATION L0001231      VOLUME  455031.582 3738253.136 282.44
LOCATION L0001232      VOLUME  455023.721 3738256.599 282.30
LOCATION L0001233      VOLUME  455015.860 3738260.061 282.16
LOCATION L0001234      VOLUME  455008.016 3738263.563 282.00
LOCATION L0001235      VOLUME  455000.211 3738267.149 281.83
LOCATION L0001236      VOLUME  454992.405 3738270.736 281.66
** End of LINE VOLUME Source ID = SLINE19
** -----
** Line Source Represented by Adjacent Volume Sources

```

** LINE VOLUME Source ID = SLINE20
** DESCRSRC Dawson Cyn 57.5%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.755E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
** 454990.007, 3738270.935, 281.67, 3.49, 4.00
** 454980.557, 3738275.975, 281.51, 3.49, 4.00
** 454965.436, 3738283.536, 281.94, 3.49, 4.00
** 454952.205, 3738294.561, 281.94, 3.49, 4.00
** 454937.400, 3738306.217, 281.84, 3.49, 4.00
** 454924.169, 3738318.187, 281.98, 3.49, 4.00
** 454914.403, 3738329.213, 282.16, 3.49, 4.00
** 454842.580, 3738280.385, 284.09, 3.49, 4.00

LOCATION L0001237 VOLUME 454986.218 3738272.956 281.61
LOCATION L0001238 VOLUME 454978.612 3738276.948 281.57
LOCATION L0001239 VOLUME 454970.929 3738280.789 281.78
LOCATION L0001240 VOLUME 454963.555 3738285.103 281.94
LOCATION L0001241 VOLUME 454956.956 3738290.603 281.94
LOCATION L0001242 VOLUME 454950.315 3738296.050 281.93
LOCATION L0001243 VOLUME 454943.565 3738301.363 281.88
LOCATION L0001244 VOLUME 454936.849 3738306.716 281.85
LOCATION L0001245 VOLUME 454930.479 3738312.479 281.91
LOCATION L0001246 VOLUME 454924.115 3738318.248 281.98
LOCATION L0001247 VOLUME 454918.420 3738324.678 282.09
LOCATION L0001248 VOLUME 454912.309 3738327.789 282.22
LOCATION L0001249 VOLUME 454905.205 3738322.960 282.41
LOCATION L0001250 VOLUME 454898.101 3738318.130 282.60
LOCATION L0001251 VOLUME 454890.997 3738313.301 282.79
LOCATION L0001252 VOLUME 454883.894 3738308.472 282.98
LOCATION L0001253 VOLUME 454876.790 3738303.642 283.17
LOCATION L0001254 VOLUME 454869.686 3738298.813 283.36
LOCATION L0001255 VOLUME 454862.582 3738293.983 283.55
LOCATION L0001256 VOLUME 454855.478 3738289.154 283.74
LOCATION L0001257 VOLUME 454848.374 3738284.325 283.93

** End of LINE VOLUME Source ID = SLINE20

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE21
** DESCRSRC Dawson Cyn 67.5%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.162E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 454844.470, 3738281.646, 284.08, 3.49, 4.00
** 454743.980, 3738211.712, 287.49, 3.49, 4.00

LOCATION L0001258 VOLUME 454840.945 3738279.192 284.20
LOCATION L0001259 VOLUME 454833.894 3738274.285 284.44
LOCATION L0001260 VOLUME 454826.843 3738269.379 284.68
LOCATION L0001261 VOLUME 454819.793 3738264.472 284.92
LOCATION L0001262 VOLUME 454812.742 3738259.565 285.16
LOCATION L0001263 VOLUME 454805.691 3738254.658 285.40
LOCATION L0001264 VOLUME 454798.641 3738249.752 285.64
LOCATION L0001265 VOLUME 454791.590 3738244.845 285.87
LOCATION L0001266 VOLUME 454784.539 3738239.938 286.11
LOCATION L0001267 VOLUME 454777.488 3738235.032 286.35
LOCATION L0001268 VOLUME 454770.438 3738230.125 286.59
LOCATION L0001269 VOLUME 454763.387 3738225.218 286.83

LOCATION L0001270 VOLUME 454756.336 3738220.311 287.07
LOCATION L0001271 VOLUME 454749.286 3738215.405 287.31

** End of LINE VOLUME Source ID = SLINE21

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE22

** DESCRSRC Temescal Cyn 77.5%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 0.0000121

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 7

** 454940.550, 3737914.967, 291.06, 3.49, 6.51

** 454977.722, 3737860.784, 291.42, 3.49, 6.51

** 455028.754, 3737797.781, 292.98, 3.49, 6.51

** 455071.597, 3737752.733, 296.17, 3.49, 6.51

** 454939.920, 3737585.460, 304.07, 3.49, 6.51

** 454879.122, 3737512.376, 309.78, 3.49, 6.51

** 454834.704, 3737445.907, 315.04, 3.49, 6.51

**

LOCATION L0001298 VOLUME 454944.510 3737909.194 291.10

LOCATION L0001299 VOLUME 454952.430 3737897.650 291.18

LOCATION L0001300 VOLUME 454960.350 3737886.106 291.25

LOCATION L0001301 VOLUME 454968.270 3737874.561 291.33

LOCATION L0001302 VOLUME 454976.190 3737863.017 291.41

LOCATION L0001303 VOLUME 454984.829 3737852.009 291.64

LOCATION L0001304 VOLUME 454993.641 3737841.130 291.91

LOCATION L0001305 VOLUME 455002.453 3737830.251 292.18

LOCATION L0001306 VOLUME 455011.265 3737819.372 292.45

LOCATION L0001307 VOLUME 455020.077 3737808.494 292.71

LOCATION L0001308 VOLUME 455028.902 3737797.626 292.99

LOCATION L0001309 VOLUME 455038.550 3737787.481 293.71

LOCATION L0001310 VOLUME 455048.198 3737777.337 294.43

LOCATION L0001311 VOLUME 455057.846 3737767.192 295.15

LOCATION L0001312 VOLUME 455067.494 3737757.047 295.86

LOCATION L0001313 VOLUME 455066.619 3737746.411 296.47

LOCATION L0001314 VOLUME 455057.960 3737735.410 296.99

LOCATION L0001315 VOLUME 455049.300 3737724.409 297.51

LOCATION L0001316 VOLUME 455040.641 3737713.409 298.03

LOCATION L0001317 VOLUME 455031.981 3737702.408 298.55

LOCATION L0001318 VOLUME 455023.322 3737691.408 299.07

LOCATION L0001319 VOLUME 455014.662 3737680.407 299.59

LOCATION L0001320 VOLUME 455006.002 3737669.407 300.11

LOCATION L0001321 VOLUME 454997.343 3737658.406 300.62

LOCATION L0001322 VOLUME 454988.683 3737647.406 301.14

LOCATION L0001323 VOLUME 454980.024 3737636.405 301.66

LOCATION L0001324 VOLUME 454971.364 3737625.405 302.18

LOCATION L0001325 VOLUME 454962.705 3737614.404 302.70

LOCATION L0001326 VOLUME 454954.045 3737603.404 303.22

LOCATION L0001327 VOLUME 454945.386 3737592.403 303.74

LOCATION L0001328 VOLUME 454936.618 3737581.490 304.38

LOCATION L0001329 VOLUME 454927.664 3737570.727 305.22

LOCATION L0001330 VOLUME 454918.711 3737559.965 306.06

LOCATION L0001331 VOLUME 454909.757 3737549.202 306.90

LOCATION L0001332 VOLUME 454900.804 3737538.439 307.74

LOCATION L0001333 VOLUME 454891.850 3737527.677 308.58

LOCATION L0001334 VOLUME 454882.897 3737516.914 309.43

LOCATION L0001335 VOLUME 454874.623 3737505.644 310.31

LOCATION L0001336 VOLUME 454866.844 3737494.004 311.23

LOCATION L0001337 VOLUME 454859.066 3737482.363 312.16

LOCATION L0001338 VOLUME 454851.287 3737470.723 313.08

LOCATION L0001339 VOLUME 454843.509 3737459.083 314.00

LOCATION L0001340 VOLUME 454835.730 3737447.443 314.92

** End of LINE VOLUME Source ID = SLINE22

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** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE23
** DESCRSRC Temescal Cyn 42.5%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 3.98E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 454737.800, 3738207.318, 288.45, 3.49, 6.51
** 454940.110, 3737912.137, 291.17, 3.49, 6.51

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LOCATION L0001272    VOLUME  454741.758 3738201.544 288.50
LOCATION L0001273    VOLUME  454749.672 3738189.996 288.61
LOCATION L0001274    VOLUME  454757.587 3738178.448 288.72
LOCATION L0001275    VOLUME  454765.502 3738166.900 288.82
LOCATION L0001276    VOLUME  454773.417 3738155.352 288.93
LOCATION L0001277    VOLUME  454781.331 3738143.804 289.04
LOCATION L0001278    VOLUME  454789.246 3738132.256 289.14
LOCATION L0001279    VOLUME  454797.161 3738120.708 289.25
LOCATION L0001280    VOLUME  454805.075 3738109.160 289.35
LOCATION L0001281    VOLUME  454812.990 3738097.612 289.46
LOCATION L0001282    VOLUME  454820.905 3738086.064 289.57
LOCATION L0001283    VOLUME  454828.820 3738074.516 289.67
LOCATION L0001284    VOLUME  454836.734 3738062.968 289.78
LOCATION L0001285    VOLUME  454844.649 3738051.420 289.89
LOCATION L0001286    VOLUME  454852.564 3738039.871 289.99
LOCATION L0001287    VOLUME  454860.479 3738028.323 290.10
LOCATION L0001288    VOLUME  454868.393 3738016.775 290.21
LOCATION L0001289    VOLUME  454876.308 3738005.227 290.31
LOCATION L0001290    VOLUME  454884.223 3737993.679 290.42
LOCATION L0001291    VOLUME  454892.138 3737982.131 290.53
LOCATION L0001292    VOLUME  454900.052 3737970.583 290.63
LOCATION L0001293    VOLUME  454907.967 3737959.035 290.74
LOCATION L0001294    VOLUME  454915.882 3737947.487 290.84
LOCATION L0001295    VOLUME  454923.797 3737935.939 290.95
LOCATION L0001296    VOLUME  454931.711 3737924.391 291.06
LOCATION L0001297    VOLUME  454939.626 3737912.843 291.16

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** End of LINE VOLUME Source ID = SLINE23
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE24
** DESCRSRC Temescal Cyn 22.5%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.00002078
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 40
** 454734.995, 3738209.030, 288.56, 3.49, 6.51
** 454651.225, 3738328.994, 288.14, 3.49, 6.51
** 454503.262, 3738532.957, 287.23, 3.49, 6.51
** 454445.897, 3738611.036, 287.09, 3.49, 6.51
** 454421.540, 3738655.425, 286.17, 3.49, 6.51
** 454394.224, 3738716.659, 285.97, 3.49, 6.51
** 454366.680, 3738764.463, 286.01, 3.49, 6.51
** 454349.607, 3738786.543, 284.93, 3.49, 6.51
** 454319.332, 3738819.551, 282.68, 3.49, 6.51
** 454254.683, 3738867.809, 281.84, 3.49, 6.51
** 454172.734, 3738926.540, 280.06, 3.49, 6.51
** 454130.166, 3738961.368, 281.65, 3.49, 6.51
** 454099.207, 3738996.196, 282.66, 3.49, 6.51
** 454062.330, 3739052.195, 282.97, 3.49, 6.51

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** 453951.244, 3739222.011, 283.91, 3.49, 6.51
 ** 453816.938, 3739424.608, 287.00, 3.49, 6.51
 ** 453785.980, 3739476.281, 286.26, 3.49, 6.51
 ** 453739.087, 3739566.197, 287.07, 3.49, 6.51
 ** 453697.429, 3739646.553, 286.92, 3.49, 6.51
 ** 453589.985, 3739849.832, 283.07, 3.49, 6.51
 ** 453555.840, 3739915.392, 282.92, 3.49, 6.51
 ** 453461.598, 3740087.485, 280.00, 3.49, 6.51
 ** 453367.357, 3740260.716, 279.98, 3.49, 6.51
 ** 453346.642, 3740307.836, 280.05, 3.49, 6.51
 ** 453337.764, 3740346.990, 279.15, 3.49, 6.51
 ** 453333.439, 3740392.289, 279.11, 3.49, 6.51
 ** 453332.528, 3740473.328, 277.17, 3.49, 6.51
 ** 453328.659, 3740520.904, 275.82, 3.49, 6.51
 ** 453318.415, 3740560.968, 276.57, 3.49, 6.51
 ** 453292.009, 3740641.551, 274.12, 3.49, 6.51
 ** 453279.262, 3740693.225, 272.11, 3.49, 6.51
 ** 453276.302, 3740737.614, 268.25, 3.49, 6.51
 ** 453277.668, 3740778.133, 266.03, 3.49, 6.51
 ** 453291.554, 3740885.577, 267.31, 3.49, 6.51
 ** 453293.603, 3740949.543, 267.64, 3.49, 6.51
 ** 453250.807, 3740948.177, 268.11, 3.49, 6.51
 ** 453217.117, 3740937.251, 270.19, 3.49, 6.51
 ** 453164.305, 3740914.942, 273.32, 3.49, 6.51
 ** 453112.859, 3740899.463, 277.49, 3.49, 6.51
 ** 452967.855, 3740855.074, 280.24, 3.49, 6.51

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|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001341 | VOLUME | 454730.988 | 3738214.769 | 288.54 |
| LOCATION | L0001342 | VOLUME | 454722.972 | 3738226.248 | 288.50 |
| LOCATION | L0001343 | VOLUME | 454714.957 | 3738237.726 | 288.46 |
| LOCATION | L0001344 | VOLUME | 454706.942 | 3738249.205 | 288.42 |
| LOCATION | L0001345 | VOLUME | 454698.927 | 3738260.683 | 288.38 |
| LOCATION | L0001346 | VOLUME | 454690.911 | 3738272.162 | 288.34 |
| LOCATION | L0001347 | VOLUME | 454682.896 | 3738283.640 | 288.30 |
| LOCATION | L0001348 | VOLUME | 454674.881 | 3738295.119 | 288.26 |
| LOCATION | L0001349 | VOLUME | 454666.865 | 3738306.597 | 288.22 |
| LOCATION | L0001350 | VOLUME | 454658.850 | 3738318.075 | 288.18 |
| LOCATION | L0001351 | VOLUME | 454650.825 | 3738329.547 | 288.14 |
| LOCATION | L0001352 | VOLUME | 454642.604 | 3738340.879 | 288.09 |
| LOCATION | L0001353 | VOLUME | 454634.383 | 3738352.211 | 288.04 |
| LOCATION | L0001354 | VOLUME | 454626.162 | 3738363.543 | 287.99 |
| LOCATION | L0001355 | VOLUME | 454617.941 | 3738374.875 | 287.94 |
| LOCATION | L0001356 | VOLUME | 454609.720 | 3738386.207 | 287.88 |
| LOCATION | L0001357 | VOLUME | 454601.499 | 3738397.540 | 287.83 |
| LOCATION | L0001358 | VOLUME | 454593.279 | 3738408.872 | 287.78 |
| LOCATION | L0001359 | VOLUME | 454585.058 | 3738420.204 | 287.73 |
| LOCATION | L0001360 | VOLUME | 454576.837 | 3738431.536 | 287.68 |
| LOCATION | L0001361 | VOLUME | 454568.616 | 3738442.868 | 287.63 |
| LOCATION | L0001362 | VOLUME | 454560.395 | 3738454.200 | 287.58 |
| LOCATION | L0001363 | VOLUME | 454552.174 | 3738465.532 | 287.53 |
| LOCATION | L0001364 | VOLUME | 454543.953 | 3738476.865 | 287.48 |
| LOCATION | L0001365 | VOLUME | 454535.733 | 3738488.197 | 287.43 |
| LOCATION | L0001366 | VOLUME | 454527.512 | 3738499.529 | 287.38 |
| LOCATION | L0001367 | VOLUME | 454519.291 | 3738510.861 | 287.33 |
| LOCATION | L0001368 | VOLUME | 454511.070 | 3738522.193 | 287.28 |
| LOCATION | L0001369 | VOLUME | 454502.846 | 3738533.523 | 287.23 |
| LOCATION | L0001370 | VOLUME | 454494.557 | 3738544.805 | 287.21 |
| LOCATION | L0001371 | VOLUME | 454486.268 | 3738556.087 | 287.19 |
| LOCATION | L0001372 | VOLUME | 454477.978 | 3738567.370 | 287.17 |
| LOCATION | L0001373 | VOLUME | 454469.689 | 3738578.652 | 287.15 |
| LOCATION | L0001374 | VOLUME | 454461.400 | 3738589.934 | 287.13 |
| LOCATION | L0001375 | VOLUME | 454453.111 | 3738601.217 | 287.11 |
| LOCATION | L0001376 | VOLUME | 454445.024 | 3738612.628 | 287.06 |
| LOCATION | L0001377 | VOLUME | 454438.289 | 3738624.901 | 286.80 |
| LOCATION | L0001378 | VOLUME | 454431.554 | 3738637.175 | 286.55 |
| LOCATION | L0001379 | VOLUME | 454424.819 | 3738649.449 | 286.29 |

| | | | | | |
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| LOCATION | L0001380 | VOLUME | 454418.614 | 3738661.985 | 286.15 |
| LOCATION | L0001381 | VOLUME | 454412.910 | 3738674.771 | 286.11 |
| LOCATION | L0001382 | VOLUME | 454407.207 | 3738687.556 | 286.07 |
| LOCATION | L0001383 | VOLUME | 454401.503 | 3738700.342 | 286.02 |
| LOCATION | L0001384 | VOLUME | 454395.800 | 3738713.127 | 285.98 |
| LOCATION | L0001385 | VOLUME | 454389.165 | 3738725.438 | 285.98 |
| LOCATION | L0001386 | VOLUME | 454382.176 | 3738737.569 | 285.99 |
| LOCATION | L0001387 | VOLUME | 454375.186 | 3738749.699 | 286.00 |
| LOCATION | L0001388 | VOLUME | 454368.197 | 3738761.830 | 286.01 |
| LOCATION | L0001389 | VOLUME | 454359.975 | 3738773.134 | 285.59 |
| LOCATION | L0001390 | VOLUME | 454351.412 | 3738784.210 | 285.04 |
| LOCATION | L0001391 | VOLUME | 454342.138 | 3738794.687 | 284.37 |
| LOCATION | L0001392 | VOLUME | 454332.674 | 3738805.004 | 283.67 |
| LOCATION | L0001393 | VOLUME | 454323.211 | 3738815.321 | 282.97 |
| LOCATION | L0001394 | VOLUME | 454312.712 | 3738824.492 | 282.59 |
| LOCATION | L0001395 | VOLUME | 454301.493 | 3738832.867 | 282.45 |
| LOCATION | L0001396 | VOLUME | 454290.274 | 3738841.242 | 282.30 |
| LOCATION | L0001397 | VOLUME | 454279.055 | 3738849.616 | 282.16 |
| LOCATION | L0001398 | VOLUME | 454267.836 | 3738857.991 | 282.01 |
| LOCATION | L0001399 | VOLUME | 454256.617 | 3738866.366 | 281.87 |
| LOCATION | L0001400 | VOLUME | 454245.265 | 3738874.559 | 281.64 |
| LOCATION | L0001401 | VOLUME | 454233.886 | 3738882.714 | 281.39 |
| LOCATION | L0001402 | VOLUME | 454222.506 | 3738890.869 | 281.14 |
| LOCATION | L0001403 | VOLUME | 454211.127 | 3738899.025 | 280.89 |
| LOCATION | L0001404 | VOLUME | 454199.748 | 3738907.180 | 280.65 |
| LOCATION | L0001405 | VOLUME | 454188.368 | 3738915.335 | 280.40 |
| LOCATION | L0001406 | VOLUME | 454176.989 | 3738923.490 | 280.15 |
| LOCATION | L0001407 | VOLUME | 454165.950 | 3738932.090 | 280.31 |
| LOCATION | L0001408 | VOLUME | 454155.115 | 3738940.955 | 280.72 |
| LOCATION | L0001409 | VOLUME | 454144.279 | 3738949.821 | 281.12 |
| LOCATION | L0001410 | VOLUME | 454133.444 | 3738958.686 | 281.53 |
| LOCATION | L0001411 | VOLUME | 454123.678 | 3738968.666 | 281.86 |
| LOCATION | L0001412 | VOLUME | 454114.377 | 3738979.130 | 282.17 |
| LOCATION | L0001413 | VOLUME | 454105.076 | 3738989.594 | 282.47 |
| LOCATION | L0001414 | VOLUME | 454096.366 | 3739000.511 | 282.68 |
| LOCATION | L0001415 | VOLUME | 454088.666 | 3739012.203 | 282.75 |
| LOCATION | L0001416 | VOLUME | 454080.966 | 3739023.896 | 282.81 |
| LOCATION | L0001417 | VOLUME | 454073.266 | 3739035.588 | 282.88 |
| LOCATION | L0001418 | VOLUME | 454065.567 | 3739047.280 | 282.94 |
| LOCATION | L0001419 | VOLUME | 454057.887 | 3739058.986 | 283.01 |
| LOCATION | L0001420 | VOLUME | 454050.223 | 3739070.702 | 283.07 |
| LOCATION | L0001421 | VOLUME | 454042.559 | 3739082.418 | 283.14 |
| LOCATION | L0001422 | VOLUME | 454034.895 | 3739094.134 | 283.20 |
| LOCATION | L0001423 | VOLUME | 454027.231 | 3739105.850 | 283.27 |
| LOCATION | L0001424 | VOLUME | 454019.567 | 3739117.566 | 283.33 |
| LOCATION | L0001425 | VOLUME | 454011.903 | 3739129.282 | 283.40 |
| LOCATION | L0001426 | VOLUME | 454004.239 | 3739140.998 | 283.46 |
| LOCATION | L0001427 | VOLUME | 453996.575 | 3739152.714 | 283.53 |
| LOCATION | L0001428 | VOLUME | 453988.911 | 3739164.430 | 283.59 |
| LOCATION | L0001429 | VOLUME | 453981.247 | 3739176.146 | 283.66 |
| LOCATION | L0001430 | VOLUME | 453973.583 | 3739187.862 | 283.72 |
| LOCATION | L0001431 | VOLUME | 453965.919 | 3739199.577 | 283.79 |
| LOCATION | L0001432 | VOLUME | 453958.255 | 3739211.293 | 283.85 |
| LOCATION | L0001433 | VOLUME | 453950.585 | 3739223.005 | 283.93 |
| LOCATION | L0001434 | VOLUME | 453942.849 | 3739234.674 | 284.10 |
| LOCATION | L0001435 | VOLUME | 453935.114 | 3739246.343 | 284.28 |
| LOCATION | L0001436 | VOLUME | 453927.378 | 3739258.012 | 284.46 |
| LOCATION | L0001437 | VOLUME | 453919.643 | 3739269.681 | 284.64 |
| LOCATION | L0001438 | VOLUME | 453911.907 | 3739281.349 | 284.82 |
| LOCATION | L0001439 | VOLUME | 453904.172 | 3739293.018 | 284.99 |
| LOCATION | L0001440 | VOLUME | 453896.436 | 3739304.687 | 285.17 |
| LOCATION | L0001441 | VOLUME | 453888.701 | 3739316.356 | 285.35 |
| LOCATION | L0001442 | VOLUME | 453880.965 | 3739328.025 | 285.53 |
| LOCATION | L0001443 | VOLUME | 453873.230 | 3739339.694 | 285.70 |
| LOCATION | L0001444 | VOLUME | 453865.494 | 3739351.362 | 285.88 |
| LOCATION | L0001445 | VOLUME | 453857.759 | 3739363.031 | 286.06 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001446 | VOLUME | 453850.023 | 3739374.700 | 286.24 |
| LOCATION | L0001447 | VOLUME | 453842.288 | 3739386.369 | 286.42 |
| LOCATION | L0001448 | VOLUME | 453834.552 | 3739398.038 | 286.59 |
| LOCATION | L0001449 | VOLUME | 453826.817 | 3739409.707 | 286.77 |
| LOCATION | L0001450 | VOLUME | 453819.081 | 3739421.375 | 286.95 |
| LOCATION | L0001451 | VOLUME | 453811.736 | 3739433.291 | 286.88 |
| LOCATION | L0001452 | VOLUME | 453804.541 | 3739445.300 | 286.70 |
| LOCATION | L0001453 | VOLUME | 453797.346 | 3739457.310 | 286.53 |
| LOCATION | L0001454 | VOLUME | 453790.151 | 3739469.319 | 286.36 |
| LOCATION | L0001455 | VOLUME | 453783.259 | 3739481.499 | 286.31 |
| LOCATION | L0001456 | VOLUME | 453776.785 | 3739493.912 | 286.42 |
| LOCATION | L0001457 | VOLUME | 453770.311 | 3739506.325 | 286.53 |
| LOCATION | L0001458 | VOLUME | 453763.838 | 3739518.739 | 286.64 |
| LOCATION | L0001459 | VOLUME | 453757.364 | 3739531.152 | 286.75 |
| LOCATION | L0001460 | VOLUME | 453750.890 | 3739543.565 | 286.87 |
| LOCATION | L0001461 | VOLUME | 453744.416 | 3739555.978 | 286.98 |
| LOCATION | L0001462 | VOLUME | 453737.948 | 3739568.395 | 287.07 |
| LOCATION | L0001463 | VOLUME | 453731.504 | 3739580.824 | 287.04 |
| LOCATION | L0001464 | VOLUME | 453725.061 | 3739593.253 | 287.02 |
| LOCATION | L0001465 | VOLUME | 453718.618 | 3739605.682 | 287.00 |
| LOCATION | L0001466 | VOLUME | 453712.174 | 3739618.111 | 286.97 |
| LOCATION | L0001467 | VOLUME | 453705.731 | 3739630.540 | 286.95 |
| LOCATION | L0001468 | VOLUME | 453699.287 | 3739642.969 | 286.93 |
| LOCATION | L0001469 | VOLUME | 453692.774 | 3739655.361 | 286.75 |
| LOCATION | L0001470 | VOLUME | 453686.232 | 3739667.739 | 286.52 |
| LOCATION | L0001471 | VOLUME | 453679.689 | 3739680.116 | 286.28 |
| LOCATION | L0001472 | VOLUME | 453673.147 | 3739692.494 | 286.05 |
| LOCATION | L0001473 | VOLUME | 453666.605 | 3739704.871 | 285.82 |
| LOCATION | L0001474 | VOLUME | 453660.063 | 3739717.249 | 285.58 |
| LOCATION | L0001475 | VOLUME | 453653.521 | 3739729.626 | 285.35 |
| LOCATION | L0001476 | VOLUME | 453646.979 | 3739742.003 | 285.11 |
| LOCATION | L0001477 | VOLUME | 453640.436 | 3739754.381 | 284.88 |
| LOCATION | L0001478 | VOLUME | 453633.894 | 3739766.758 | 284.64 |
| LOCATION | L0001479 | VOLUME | 453627.352 | 3739779.136 | 284.41 |
| LOCATION | L0001480 | VOLUME | 453620.810 | 3739791.513 | 284.17 |
| LOCATION | L0001481 | VOLUME | 453614.268 | 3739803.890 | 283.94 |
| LOCATION | L0001482 | VOLUME | 453607.726 | 3739816.268 | 283.71 |
| LOCATION | L0001483 | VOLUME | 453601.184 | 3739828.645 | 283.47 |
| LOCATION | L0001484 | VOLUME | 453594.641 | 3739841.023 | 283.24 |
| LOCATION | L0001485 | VOLUME | 453588.121 | 3739853.411 | 283.06 |
| LOCATION | L0001486 | VOLUME | 453581.654 | 3739865.828 | 283.03 |
| LOCATION | L0001487 | VOLUME | 453575.187 | 3739878.245 | 283.00 |
| LOCATION | L0001488 | VOLUME | 453568.720 | 3739890.662 | 282.98 |
| LOCATION | L0001489 | VOLUME | 453562.253 | 3739903.079 | 282.95 |
| LOCATION | L0001490 | VOLUME | 453555.783 | 3739915.494 | 282.92 |
| LOCATION | L0001491 | VOLUME | 453549.059 | 3739927.774 | 282.71 |
| LOCATION | L0001492 | VOLUME | 453542.335 | 3739940.053 | 282.50 |
| LOCATION | L0001493 | VOLUME | 453535.610 | 3739952.332 | 282.29 |
| LOCATION | L0001494 | VOLUME | 453528.886 | 3739964.612 | 282.08 |
| LOCATION | L0001495 | VOLUME | 453522.161 | 3739976.891 | 281.88 |
| LOCATION | L0001496 | VOLUME | 453515.437 | 3739989.170 | 281.67 |
| LOCATION | L0001497 | VOLUME | 453508.713 | 3740001.450 | 281.46 |
| LOCATION | L0001498 | VOLUME | 453501.988 | 3740013.729 | 281.25 |
| LOCATION | L0001499 | VOLUME | 453495.264 | 3740026.008 | 281.04 |
| LOCATION | L0001500 | VOLUME | 453488.539 | 3740038.288 | 280.83 |
| LOCATION | L0001501 | VOLUME | 453481.815 | 3740050.567 | 280.63 |
| LOCATION | L0001502 | VOLUME | 453475.091 | 3740062.846 | 280.42 |
| LOCATION | L0001503 | VOLUME | 453468.366 | 3740075.126 | 280.21 |
| LOCATION | L0001504 | VOLUME | 453461.642 | 3740087.405 | 280.00 |
| LOCATION | L0001505 | VOLUME | 453454.951 | 3740099.703 | 280.00 |
| LOCATION | L0001506 | VOLUME | 453448.261 | 3740112.001 | 280.00 |
| LOCATION | L0001507 | VOLUME | 453441.570 | 3740124.299 | 280.00 |
| LOCATION | L0001508 | VOLUME | 453434.880 | 3740136.597 | 279.99 |
| LOCATION | L0001509 | VOLUME | 453428.190 | 3740148.895 | 279.99 |
| LOCATION | L0001510 | VOLUME | 453421.499 | 3740161.193 | 279.99 |
| LOCATION | L0001511 | VOLUME | 453414.809 | 3740173.491 | 279.99 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001512 | VOLUME | 453408.119 | 3740185.789 | 279.99 |
| LOCATION | L0001513 | VOLUME | 453401.428 | 3740198.086 | 279.99 |
| LOCATION | L0001514 | VOLUME | 453394.738 | 3740210.384 | 279.99 |
| LOCATION | L0001515 | VOLUME | 453388.048 | 3740222.682 | 279.98 |
| LOCATION | L0001516 | VOLUME | 453381.357 | 3740234.980 | 279.98 |
| LOCATION | L0001517 | VOLUME | 453374.667 | 3740247.278 | 279.98 |
| LOCATION | L0001518 | VOLUME | 453367.977 | 3740259.576 | 279.98 |
| LOCATION | L0001519 | VOLUME | 453362.245 | 3740272.344 | 280.00 |
| LOCATION | L0001520 | VOLUME | 453356.610 | 3740285.161 | 280.02 |
| LOCATION | L0001521 | VOLUME | 453350.976 | 3740297.977 | 280.04 |
| LOCATION | L0001522 | VOLUME | 453345.928 | 3740310.986 | 279.98 |
| LOCATION | L0001523 | VOLUME | 453342.832 | 3740324.640 | 279.66 |
| LOCATION | L0001524 | VOLUME | 453339.736 | 3740338.293 | 279.35 |
| LOCATION | L0001525 | VOLUME | 453337.281 | 3740352.049 | 279.15 |
| LOCATION | L0001526 | VOLUME | 453335.950 | 3740365.986 | 279.13 |
| LOCATION | L0001527 | VOLUME | 453334.620 | 3740379.923 | 279.12 |
| LOCATION | L0001528 | VOLUME | 453333.421 | 3740393.866 | 279.07 |
| LOCATION | L0001529 | VOLUME | 453333.264 | 3740407.865 | 278.74 |
| LOCATION | L0001530 | VOLUME | 453333.107 | 3740421.864 | 278.40 |
| LOCATION | L0001531 | VOLUME | 453332.949 | 3740435.864 | 278.07 |
| LOCATION | L0001532 | VOLUME | 453332.792 | 3740449.863 | 277.73 |
| LOCATION | L0001533 | VOLUME | 453332.635 | 3740463.862 | 277.40 |
| LOCATION | L0001534 | VOLUME | 453332.161 | 3740477.846 | 277.04 |
| LOCATION | L0001535 | VOLUME | 453331.026 | 3740491.800 | 276.65 |
| LOCATION | L0001536 | VOLUME | 453329.891 | 3740505.754 | 276.25 |
| LOCATION | L0001537 | VOLUME | 453328.756 | 3740519.708 | 275.85 |
| LOCATION | L0001538 | VOLUME | 453325.488 | 3740533.305 | 276.05 |
| LOCATION | L0001539 | VOLUME | 453322.020 | 3740546.869 | 276.31 |
| LOCATION | L0001540 | VOLUME | 453318.552 | 3740560.432 | 276.56 |
| LOCATION | L0001541 | VOLUME | 453314.228 | 3740573.747 | 276.18 |
| LOCATION | L0001542 | VOLUME | 453309.868 | 3740587.051 | 275.78 |
| LOCATION | L0001543 | VOLUME | 453305.509 | 3740600.355 | 275.37 |
| LOCATION | L0001544 | VOLUME | 453301.149 | 3740613.658 | 274.97 |
| LOCATION | L0001545 | VOLUME | 453296.790 | 3740626.962 | 274.56 |
| LOCATION | L0001546 | VOLUME | 453292.430 | 3740640.266 | 274.16 |
| LOCATION | L0001547 | VOLUME | 453288.980 | 3740653.831 | 273.64 |
| LOCATION | L0001548 | VOLUME | 453285.627 | 3740667.423 | 273.11 |
| LOCATION | L0001549 | VOLUME | 453282.273 | 3740681.016 | 272.58 |
| LOCATION | L0001550 | VOLUME | 453279.167 | 3740694.647 | 271.99 |
| LOCATION | L0001551 | VOLUME | 453278.235 | 3740708.616 | 270.77 |
| LOCATION | L0001552 | VOLUME | 453277.304 | 3740722.585 | 269.56 |
| LOCATION | L0001553 | VOLUME | 453276.373 | 3740736.554 | 268.34 |
| LOCATION | L0001554 | VOLUME | 453276.738 | 3740750.544 | 267.54 |
| LOCATION | L0001555 | VOLUME | 453277.210 | 3740764.536 | 266.77 |
| LOCATION | L0001556 | VOLUME | 453277.719 | 3740778.525 | 266.03 |
| LOCATION | L0001557 | VOLUME | 453279.513 | 3740792.410 | 266.20 |
| LOCATION | L0001558 | VOLUME | 453281.308 | 3740806.294 | 266.37 |
| LOCATION | L0001559 | VOLUME | 453283.102 | 3740820.179 | 266.53 |
| LOCATION | L0001560 | VOLUME | 453284.896 | 3740834.063 | 266.70 |
| LOCATION | L0001561 | VOLUME | 453286.691 | 3740847.948 | 266.86 |
| LOCATION | L0001562 | VOLUME | 453288.485 | 3740861.832 | 267.03 |
| LOCATION | L0001563 | VOLUME | 453290.280 | 3740875.717 | 267.19 |
| LOCATION | L0001564 | VOLUME | 453291.684 | 3740889.633 | 267.33 |
| LOCATION | L0001565 | VOLUME | 453292.132 | 3740903.626 | 267.40 |
| LOCATION | L0001566 | VOLUME | 453292.580 | 3740917.618 | 267.48 |
| LOCATION | L0001567 | VOLUME | 453293.028 | 3740931.611 | 267.55 |
| LOCATION | L0001568 | VOLUME | 453293.477 | 3740945.604 | 267.62 |
| LOCATION | L0001569 | VOLUME | 453283.549 | 3740949.222 | 267.75 |
| LOCATION | L0001570 | VOLUME | 453269.556 | 3740948.776 | 267.90 |
| LOCATION | L0001571 | VOLUME | 453255.563 | 3740948.329 | 268.06 |
| LOCATION | L0001572 | VOLUME | 453242.016 | 3740945.326 | 268.65 |
| LOCATION | L0001573 | VOLUME | 453228.699 | 3740941.007 | 269.47 |
| LOCATION | L0001574 | VOLUME | 453215.437 | 3740936.541 | 270.29 |
| LOCATION | L0001575 | VOLUME | 453202.540 | 3740931.093 | 271.05 |
| LOCATION | L0001576 | VOLUME | 453189.644 | 3740925.646 | 271.82 |
| LOCATION | L0001577 | VOLUME | 453176.747 | 3740920.198 | 272.58 |

| LOCATION | VOLUME | | | | |
|-------------------|--------|------------|-------------|--------|--|
| LOCATION L0001578 | VOLUME | 453163.832 | 3740914.800 | 273.36 | |
| LOCATION L0001579 | VOLUME | 453150.426 | 3740910.766 | 274.44 | |
| LOCATION L0001580 | VOLUME | 453137.020 | 3740906.732 | 275.53 | |
| LOCATION L0001581 | VOLUME | 453123.613 | 3740902.699 | 276.62 | |
| LOCATION L0001582 | VOLUME | 453110.211 | 3740898.652 | 277.54 | |
| LOCATION L0001583 | VOLUME | 453096.824 | 3740894.554 | 277.79 | |
| LOCATION L0001584 | VOLUME | 453083.437 | 3740890.456 | 278.05 | |
| LOCATION L0001585 | VOLUME | 453070.051 | 3740886.358 | 278.30 | |
| LOCATION L0001586 | VOLUME | 453056.664 | 3740882.260 | 278.56 | |
| LOCATION L0001587 | VOLUME | 453043.277 | 3740878.162 | 278.81 | |
| LOCATION L0001588 | VOLUME | 453029.890 | 3740874.064 | 279.06 | |
| LOCATION L0001589 | VOLUME | 453016.503 | 3740869.966 | 279.32 | |
| LOCATION L0001590 | VOLUME | 453003.117 | 3740865.868 | 279.57 | |
| LOCATION L0001591 | VOLUME | 452989.730 | 3740861.770 | 279.83 | |
| LOCATION L0001592 | VOLUME | 452976.343 | 3740857.672 | 280.08 | |

** End of LINE VOLUME Source ID = SLINE24

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

| | | | | |
|-------------------|--------------|------|------|------|
| SRCPARAM L0000611 | 0.0000008828 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000612 | 0.0000008828 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000613 | 0.0000008828 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000614 | 0.0000008828 | 3.49 | 4.00 | 3.25 |

**

** LINE VOLUME Source ID = SLINE2

| | | | | |
|-------------------|--------------|------|------|------|
| SRCPARAM L0000615 | 0.0000006265 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000616 | 0.0000006265 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000617 | 0.0000006265 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000618 | 0.0000006265 | 3.49 | 4.00 | 3.25 |

**

** LINE VOLUME Source ID = SLINE3

| | | | | |
|-------------------|--------------|------|------|------|
| SRCPARAM L0000619 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000620 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000621 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000622 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000623 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000624 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000625 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000626 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000627 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000628 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000629 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000630 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000631 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000632 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000633 | 0.0000008481 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000634 | 0.0000008481 | 3.49 | 4.00 | 3.25 |

**

** LINE VOLUME Source ID = SLINE4

| | | | | |
|-------------------|--------------|------|------|------|
| SRCPARAM L0000635 | 0.0000008698 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000636 | 0.0000008698 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000637 | 0.0000008698 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000638 | 0.0000008698 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000639 | 0.0000008698 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000640 | 0.0000008698 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000641 | 0.0000008698 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000642 | 0.0000008698 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000643 | 0.0000008698 | 3.49 | 4.00 | 3.25 |

**

** LINE VOLUME Source ID = SLINE5

| | | | | |
|-------------------|--------------|------|------|------|
| SRCPARAM L0000644 | 0.0000007725 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000645 | 0.0000007725 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000646 | 0.0000007725 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000647 | 0.0000007725 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000648 | 0.0000007725 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000649 | 0.0000007725 | 3.49 | 4.00 | 3.25 |
| SRCPARAM L0000650 | 0.0000007725 | 3.49 | 4.00 | 3.25 |

| | | | | | |
|----------|---------------------------------|---------------|------|------|------|
| SRCPARAM | L0000651 | 0.0000007725 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000652 | 0.0000007725 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000653 | 0.0000007725 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000654 | 0.0000007725 | 3.49 | 4.00 | 3.25 |
| ** ----- | | | | | |
| ** | LINE VOLUME Source ID = SLINE6 | | | | |
| SRCPARAM | L0000655 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000656 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000657 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000658 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000659 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000660 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000661 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000662 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000663 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000664 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000665 | 0.0000006131 | 3.49 | 4.00 | 3.25 |
| ** ----- | | | | | |
| ** | LINE VOLUME Source ID = SLINE7 | | | | |
| SRCPARAM | L0000666 | 0.000001525 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000667 | 0.000001525 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000668 | 0.000001525 | 3.49 | 4.00 | 3.25 |
| ** ----- | | | | | |
| ** | LINE VOLUME Source ID = SLINE8 | | | | |
| SRCPARAM | L0001621 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001622 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001623 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001624 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001625 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001626 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001627 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001628 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001629 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001630 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001631 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001632 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001633 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001634 | 0.0000001753 | 3.49 | 4.00 | 3.25 |
| ** ----- | | | | | |
| ** | LINE VOLUME Source ID = SLINE9 | | | | |
| SRCPARAM | L0000683 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000684 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000685 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000686 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000687 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000688 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000689 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000690 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000691 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000692 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000693 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000694 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000695 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000696 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000697 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000698 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000699 | 0.00000009788 | 3.49 | 4.00 | 3.25 |
| ** ----- | | | | | |
| ** | LINE VOLUME Source ID = SLINE10 | | | | |
| SRCPARAM | L0000700 | 0.0000001581 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000701 | 0.0000001581 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000702 | 0.0000001581 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000703 | 0.0000001581 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000704 | 0.0000001581 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000705 | 0.0000001581 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000706 | 0.0000001581 | 3.49 | 4.00 | 3.25 |

| | | | | | |
|----------|----------|---------------|------|------|------|
| SRCPARAM | L0000767 | 0.00000005451 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000768 | 0.00000005451 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000769 | 0.00000005451 | 3.49 | 4.00 | 3.25 |

**

** LINE VOLUME Source ID = SLINE14

| | | | | | |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0001593 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001594 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001595 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001596 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001597 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001598 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001599 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001600 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001601 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001602 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001603 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001604 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001605 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001606 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001607 | 0.0000001381 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001608 | 0.0000001381 | 3.49 | 4.00 | 3.25 |

**

** LINE VOLUME Source ID = SLINE15

| | | | | | |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0001609 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001610 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001611 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001612 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001613 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001614 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001615 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001616 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001617 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001618 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001619 | 0.0000001222 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001620 | 0.0000001222 | 3.49 | 4.00 | 3.25 |

**

** LINE VOLUME Source ID = SLINE16

| | | | | | |
|----------|----------|---------------|------|------|------|
| SRCPARAM | L0000798 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000799 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000800 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000801 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000802 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000803 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000804 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000805 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000806 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000807 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000808 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000809 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000810 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000811 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000812 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000813 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000814 | 0.00000007506 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000815 | 0.00000007506 | 3.49 | 4.00 | 3.25 |

**

** LINE VOLUME Source ID = SLINE17

| | | | | | |
|----------|----------|---------------|------|------|------|
| SRCPARAM | L0000816 | 0.00000009116 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000817 | 0.00000009116 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000818 | 0.00000009116 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000819 | 0.00000009116 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000820 | 0.00000009116 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000821 | 0.00000009116 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000822 | 0.00000009116 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000823 | 0.00000009116 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000824 | 0.00000009116 | 3.49 | 4.00 | 3.25 |

| | | | | |
|-------------------|---------------|------|------|------|
| SRCPARAM L0001582 | 0.00000008246 | 3.49 | 6.51 | 3.25 |
| SRCPARAM L0001583 | 0.00000008246 | 3.49 | 6.51 | 3.25 |
| SRCPARAM L0001584 | 0.00000008246 | 3.49 | 6.51 | 3.25 |
| SRCPARAM L0001585 | 0.00000008246 | 3.49 | 6.51 | 3.25 |
| SRCPARAM L0001586 | 0.00000008246 | 3.49 | 6.51 | 3.25 |
| SRCPARAM L0001587 | 0.00000008246 | 3.49 | 6.51 | 3.25 |
| SRCPARAM L0001588 | 0.00000008246 | 3.49 | 6.51 | 3.25 |
| SRCPARAM L0001589 | 0.00000008246 | 3.49 | 6.51 | 3.25 |
| SRCPARAM L0001590 | 0.00000008246 | 3.49 | 6.51 | 3.25 |
| SRCPARAM L0001591 | 0.00000008246 | 3.49 | 6.51 | 3.25 |
| SRCPARAM L0001592 | 0.00000008246 | 3.49 | 6.51 | 3.25 |

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14982 Ops.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**
**

ME STARTING
SURFFILE ELSI_V9_ADJU\ELSI_v9.SFC
PROFFILE ELSI_V9_ADJU\ELSI_v9.PFL
SURFDATA 3171 2012
UAIRDATA 3190 2012
SITEDATA 99999 2012
PROFBASE 406.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**
**

OU STARTING
** Auto-Generated Plotfiles
PLOTFILE PERIOD ALL "14982 Ops.AD\PE00GALL.PLT" 31
SUMMFILE "14982 Ops.sum"

OU FINISHED

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

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

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

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

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

ME W186 1753 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used

*** SETUP Finishes Successfully ***

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Clay\14982 Ops\149 *** 04/22/25
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 607 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 607 Source(s); 1 Source Group(s); and 51 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 607 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

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

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

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0000624 | 0 | 0.84810E-06 | 454951.9 | 3738113.8 | 286.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000625 | 0 | 0.84810E-06 | 454956.9 | 3738106.8 | 286.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000626 | 0 | 0.84810E-06 | 454961.8 | 3738099.8 | 286.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000627 | 0 | 0.84810E-06 | 454966.8 | 3738092.7 | 286.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000628 | 0 | 0.84810E-06 | 454971.7 | 3738085.7 | 286.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000629 | 0 | 0.84810E-06 | 454976.6 | 3738078.7 | 286.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000630 | 0 | 0.84810E-06 | 454981.6 | 3738071.6 | 286.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000631 | 0 | 0.84810E-06 | 454986.5 | 3738064.6 | 286.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000632 | 0 | 0.84810E-06 | 454991.4 | 3738057.6 | 286.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000633 | 0 | 0.84810E-06 | 454996.4 | 3738050.6 | 286.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000634 | 0 | 0.84810E-06 | 455001.3 | 3738043.5 | 286.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000635 | 0 | 0.86980E-06 | 454984.9 | 3738185.8 | 283.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000636 | 0 | 0.86980E-06 | 454989.9 | 3738178.8 | 283.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000637 | 0 | 0.86980E-06 | 454994.9 | 3738171.8 | 283.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000638 | 0 | 0.86980E-06 | 454999.8 | 3738164.8 | 283.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000639 | 0 | 0.86980E-06 | 455004.8 | 3738157.8 | 283.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000640 | 0 | 0.86980E-06 | 455009.7 | 3738150.8 | 283.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000641 | 0 | 0.86980E-06 | 455014.7 | 3738143.8 | 283.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000642 | 0 | 0.86980E-06 | 455019.7 | 3738136.8 | 284.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000643 | 0 | 0.86980E-06 | 455024.6 | 3738129.8 | 283.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000644 | 0 | 0.77250E-06 | 455069.7 | 3737944.2 | 288.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000645 | 0 | 0.77250E-06 | 455074.7 | 3737937.3 | 288.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000646 | 0 | 0.77250E-06 | 455079.8 | 3737930.3 | 288.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000647 | 0 | 0.77250E-06 | 455084.8 | 3737923.4 | 289.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000648 | 0 | 0.77250E-06 | 455089.8 | 3737916.4 | 289.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000649 | 0 | 0.77250E-06 | 455094.9 | 3737909.4 | 289.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000650 | 0 | 0.77250E-06 | 455099.9 | 3737902.5 | 289.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT.

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0000703 | 0 | 0.15810E-06 | 455035.2 | 3738024.2 | 286.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000704 | 0 | 0.15810E-06 | 455030.5 | 3738031.4 | 286.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000705 | 0 | 0.15810E-06 | 455025.8 | 3738038.6 | 286.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000706 | 0 | 0.15810E-06 | 455021.0 | 3738045.6 | 286.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000707 | 0 | 0.15810E-06 | 455016.0 | 3738052.6 | 285.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000708 | 0 | 0.15810E-06 | 455011.0 | 3738059.6 | 285.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000709 | 0 | 0.15810E-06 | 455006.0 | 3738066.6 | 285.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000710 | 0 | 0.15810E-06 | 455001.0 | 3738073.6 | 285.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000711 | 0 | 0.15810E-06 | 454996.0 | 3738080.6 | 285.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000712 | 0 | 0.15810E-06 | 454991.0 | 3738087.6 | 285.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000713 | 0 | 0.15810E-06 | 454986.0 | 3738094.6 | 285.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000714 | 0 | 0.15810E-06 | 454981.0 | 3738101.6 | 285.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000715 | 0 | 0.15810E-06 | 454976.0 | 3738108.6 | 285.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000716 | 0 | 0.15810E-06 | 454971.0 | 3738115.6 | 285.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000717 | 0 | 0.15810E-06 | 454966.1 | 3738122.5 | 285.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000718 | 0 | 0.15810E-06 | 454961.1 | 3738129.5 | 285.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000719 | 0 | 0.15810E-06 | 454956.1 | 3738136.5 | 285.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000720 | 0 | 0.15810E-06 | 454951.1 | 3738143.5 | 285.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000721 | 0 | 0.15810E-06 | 454946.1 | 3738150.5 | 285.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000722 | 0 | 0.15810E-06 | 454941.1 | 3738157.5 | 284.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000723 | 0 | 0.15810E-06 | 454936.1 | 3738164.5 | 284.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000724 | 0 | 0.15810E-06 | 454931.1 | 3738171.5 | 284.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000725 | 0 | 0.15810E-06 | 454926.1 | 3738178.5 | 284.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000726 | 0 | 0.15810E-06 | 454921.1 | 3738185.5 | 284.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000727 | 0 | 0.15810E-06 | 454916.1 | 3738192.5 | 284.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000728 | 0 | 0.27520E-07 | 454850.0 | 3738269.2 | 284.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000729 | 0 | 0.27520E-07 | 454855.6 | 3738263.8 | 284.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000730 | 0 | 0.27520E-07 | 454864.1 | 3738264.4 | 284.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001605 | 0 | 0.13810E-06 | 455070.3 | 3738104.1 | 283.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001606 | 0 | 0.13810E-06 | 455063.3 | 3738099.1 | 284.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001607 | 0 | 0.13810E-06 | 455056.4 | 3738094.0 | 284.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001608 | 0 | 0.13810E-06 | 455049.4 | 3738089.0 | 284.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001609 | 0 | 0.12220E-06 | 454984.0 | 3738264.6 | 282.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001610 | 0 | 0.12220E-06 | 454981.5 | 3738256.4 | 282.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001611 | 0 | 0.12220E-06 | 454978.9 | 3738248.2 | 282.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001612 | 0 | 0.12220E-06 | 454974.1 | 3738241.3 | 282.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001613 | 0 | 0.12220E-06 | 454967.3 | 3738236.1 | 282.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001614 | 0 | 0.12220E-06 | 454960.3 | 3738231.1 | 282.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001615 | 0 | 0.12220E-06 | 454953.3 | 3738226.1 | 283.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001616 | 0 | 0.12220E-06 | 454946.3 | 3738221.1 | 283.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001617 | 0 | 0.12220E-06 | 454939.3 | 3738216.2 | 283.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001618 | 0 | 0.12220E-06 | 454932.3 | 3738211.2 | 283.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001619 | 0 | 0.12220E-06 | 454925.3 | 3738206.2 | 283.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001620 | 0 | 0.12220E-06 | 454918.3 | 3738201.2 | 284.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000798 | 0 | 0.75060E-07 | 455124.3 | 3737959.1 | 287.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000799 | 0 | 0.75060E-07 | 455119.4 | 3737966.2 | 287.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000800 | 0 | 0.75060E-07 | 455114.5 | 3737973.3 | 287.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000801 | 0 | 0.75060E-07 | 455109.6 | 3737980.3 | 287.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000802 | 0 | 0.75060E-07 | 455104.7 | 3737987.4 | 287.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000803 | 0 | 0.75060E-07 | 455099.8 | 3737994.4 | 286.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000804 | 0 | 0.75060E-07 | 455094.9 | 3738001.5 | 286.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000805 | 0 | 0.75060E-07 | 455090.0 | 3738008.6 | 286.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000806 | 0 | 0.75060E-07 | 455085.2 | 3738015.6 | 286.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000807 | 0 | 0.75060E-07 | 455080.3 | 3738022.7 | 285.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000808 | 0 | 0.75060E-07 | 455075.4 | 3738029.8 | 285.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000809 | 0 | 0.75060E-07 | 455070.5 | 3738036.8 | 285.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0000810 | 0 | 0.75060E-07 | 455065.6 | 3738043.9 | 285.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

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| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001236 | 0 | 0.79370E-07 | 454992.4 | 3738270.7 | 281.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001237 | 0 | 0.13120E-06 | 454986.2 | 3738273.0 | 281.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001238 | 0 | 0.13120E-06 | 454978.6 | 3738276.9 | 281.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001239 | 0 | 0.13120E-06 | 454970.9 | 3738280.8 | 281.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001240 | 0 | 0.13120E-06 | 454963.6 | 3738285.1 | 281.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001241 | 0 | 0.13120E-06 | 454957.0 | 3738290.6 | 281.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001242 | 0 | 0.13120E-06 | 454950.3 | 3738296.0 | 281.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001243 | 0 | 0.13120E-06 | 454943.6 | 3738301.4 | 281.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001244 | 0 | 0.13120E-06 | 454936.8 | 3738306.7 | 281.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001245 | 0 | 0.13120E-06 | 454930.5 | 3738312.5 | 281.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001246 | 0 | 0.13120E-06 | 454924.1 | 3738318.2 | 282.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001247 | 0 | 0.13120E-06 | 454918.4 | 3738324.7 | 282.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001248 | 0 | 0.13120E-06 | 454912.3 | 3738327.8 | 282.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001249 | 0 | 0.13120E-06 | 454905.2 | 3738323.0 | 282.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001250 | 0 | 0.13120E-06 | 454898.1 | 3738318.1 | 282.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001251 | 0 | 0.13120E-06 | 454891.0 | 3738313.3 | 282.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001252 | 0 | 0.13120E-06 | 454883.9 | 3738308.5 | 283.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001253 | 0 | 0.13120E-06 | 454876.8 | 3738303.6 | 283.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001254 | 0 | 0.13120E-06 | 454869.7 | 3738298.8 | 283.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001255 | 0 | 0.13120E-06 | 454862.6 | 3738294.0 | 283.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001256 | 0 | 0.13120E-06 | 454855.5 | 3738289.2 | 283.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001257 | 0 | 0.13120E-06 | 454848.4 | 3738284.3 | 283.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001258 | 0 | 0.15440E-06 | 454840.9 | 3738279.2 | 284.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001259 | 0 | 0.15440E-06 | 454833.9 | 3738274.3 | 284.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001260 | 0 | 0.15440E-06 | 454826.8 | 3738269.4 | 284.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001261 | 0 | 0.15440E-06 | 454819.8 | 3738264.5 | 284.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001262 | 0 | 0.15440E-06 | 454812.7 | 3738259.6 | 285.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001263 | 0 | 0.15440E-06 | 454805.7 | 3738254.7 | 285.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001264 | 0 | 0.15440E-06 | 454798.6 | 3738249.8 | 285.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001265 | 0 | 0.15440E-06 | 454791.6 | 3738244.8 | 285.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

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*** AERMET - VERSION 16216 ***

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| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001272 | 0 | 0.15310E-06 | 454741.8 | 3738201.5 | 288.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001273 | 0 | 0.15310E-06 | 454749.7 | 3738190.0 | 288.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001274 | 0 | 0.15310E-06 | 454757.6 | 3738178.4 | 288.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001275 | 0 | 0.15310E-06 | 454765.5 | 3738166.9 | 288.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001276 | 0 | 0.15310E-06 | 454773.4 | 3738155.4 | 288.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001277 | 0 | 0.15310E-06 | 454781.3 | 3738143.8 | 289.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001278 | 0 | 0.15310E-06 | 454789.2 | 3738132.3 | 289.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001279 | 0 | 0.15310E-06 | 454797.2 | 3738120.7 | 289.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001280 | 0 | 0.15310E-06 | 454805.1 | 3738109.2 | 289.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001281 | 0 | 0.15310E-06 | 454813.0 | 3738097.6 | 289.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001282 | 0 | 0.15310E-06 | 454820.9 | 3738086.1 | 289.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001283 | 0 | 0.15310E-06 | 454828.8 | 3738074.5 | 289.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001284 | 0 | 0.15310E-06 | 454836.7 | 3738063.0 | 289.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001285 | 0 | 0.15310E-06 | 454844.6 | 3738051.4 | 289.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001286 | 0 | 0.15310E-06 | 454852.6 | 3738039.9 | 290.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001287 | 0 | 0.15310E-06 | 454860.5 | 3738028.3 | 290.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001288 | 0 | 0.15310E-06 | 454868.4 | 3738016.8 | 290.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001289 | 0 | 0.15310E-06 | 454876.3 | 3738005.2 | 290.3 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001290 | 0 | 0.15310E-06 | 454884.2 | 3737993.7 | 290.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001291 | 0 | 0.15310E-06 | 454892.1 | 3737982.1 | 290.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001292 | 0 | 0.15310E-06 | 454900.1 | 3737970.6 | 290.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001293 | 0 | 0.15310E-06 | 454908.0 | 3737959.0 | 290.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001294 | 0 | 0.15310E-06 | 454915.9 | 3737947.5 | 290.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001295 | 0 | 0.15310E-06 | 454923.8 | 3737935.9 | 290.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001296 | 0 | 0.15310E-06 | 454931.7 | 3737924.4 | 291.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001297 | 0 | 0.15310E-06 | 454939.6 | 3737912.8 | 291.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001341 | 0 | 0.82460E-07 | 454731.0 | 3738214.8 | 288.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001342 | 0 | 0.82460E-07 | 454723.0 | 3738226.2 | 288.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001343 | 0 | 0.82460E-07 | 454715.0 | 3738237.7 | 288.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001344 | 0 | 0.82460E-07 | 454706.9 | 3738249.2 | 288.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001345 | 0 | 0.82460E-07 | 454698.9 | 3738260.7 | 288.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

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| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001371 | 0 | 0.82460E-07 | 454486.3 | 3738556.1 | 287.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001372 | 0 | 0.82460E-07 | 454478.0 | 3738567.4 | 287.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001373 | 0 | 0.82460E-07 | 454469.7 | 3738578.7 | 287.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001374 | 0 | 0.82460E-07 | 454461.4 | 3738589.9 | 287.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001375 | 0 | 0.82460E-07 | 454453.1 | 3738601.2 | 287.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001376 | 0 | 0.82460E-07 | 454445.0 | 3738612.6 | 287.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001377 | 0 | 0.82460E-07 | 454438.3 | 3738624.9 | 286.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001378 | 0 | 0.82460E-07 | 454431.6 | 3738637.2 | 286.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001379 | 0 | 0.82460E-07 | 454424.8 | 3738649.4 | 286.3 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001380 | 0 | 0.82460E-07 | 454418.6 | 3738662.0 | 286.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001381 | 0 | 0.82460E-07 | 454412.9 | 3738674.8 | 286.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001382 | 0 | 0.82460E-07 | 454407.2 | 3738687.6 | 286.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001383 | 0 | 0.82460E-07 | 454401.5 | 3738700.3 | 286.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001384 | 0 | 0.82460E-07 | 454395.8 | 3738713.1 | 286.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001385 | 0 | 0.82460E-07 | 454389.2 | 3738725.4 | 286.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** VOLUME SOURCE DATA ***

| SOURCE | SOURCE | ID | NUMBER | EMISSION | RATE | BASE | RELEASE | INIT. | INIT. |
|--------|--------|----------|--------|-------------|----------|----------|----------|----------|----------|
| | | | | | | | | | |
| | SCALAR | (METERS) | PART. | (GRAMS/SEC) | X | Y | (METERS) | (METERS) | (METERS) |
| | VARY | | CATS. | BY | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001386 | 0 | 0.82460E-07 | 454382.2 | 3738737.6 | 286.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001387 | 0 | 0.82460E-07 | 454375.2 | 3738749.7 | 286.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001388 | 0 | 0.82460E-07 | 454368.2 | 3738761.8 | 286.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001389 | 0 | 0.82460E-07 | 454360.0 | 3738773.1 | 285.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001390 | 0 | 0.82460E-07 | 454351.4 | 3738784.2 | 285.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001391 | 0 | 0.82460E-07 | 454342.1 | 3738794.7 | 284.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001392 | 0 | 0.82460E-07 | 454332.7 | 3738805.0 | 283.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001393 | 0 | 0.82460E-07 | 454323.2 | 3738815.3 | 283.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001394 | 0 | 0.82460E-07 | 454312.7 | 3738824.5 | 282.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001395 | 0 | 0.82460E-07 | 454301.5 | 3738832.9 | 282.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001396 | 0 | 0.82460E-07 | 454290.3 | 3738841.2 | 282.3 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001397 | 0 | 0.82460E-07 | 454279.1 | 3738849.6 | 282.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001398 | 0 | 0.82460E-07 | 454267.8 | 3738858.0 | 282.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001399 | 0 | 0.82460E-07 | 454256.6 | 3738866.4 | 281.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001400 | 0 | 0.82460E-07 | 454245.3 | 3738874.6 | 281.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001401 | 0 | 0.82460E-07 | 454233.9 | 3738882.7 | 281.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001402 | 0 | 0.82460E-07 | 454222.5 | 3738890.9 | 281.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001403 | 0 | 0.82460E-07 | 454211.1 | 3738899.0 | 280.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001404 | 0 | 0.82460E-07 | 454199.7 | 3738907.2 | 280.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001405 | 0 | 0.82460E-07 | 454188.4 | 3738915.3 | 280.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001406 | 0 | 0.82460E-07 | 454177.0 | 3738923.5 | 280.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001407 | 0 | 0.82460E-07 | 454166.0 | 3738932.1 | 280.3 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001408 | 0 | 0.82460E-07 | 454155.1 | 3738941.0 | 280.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001409 | 0 | 0.82460E-07 | 454144.3 | 3738949.8 | 281.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001410 | 0 | 0.82460E-07 | 454133.4 | 3738958.7 | 281.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001411 | 0 | 0.82460E-07 | 454123.7 | 3738968.7 | 281.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001412 | 0 | 0.82460E-07 | 454114.4 | 3738979.1 | 282.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001413 | 0 | 0.82460E-07 | 454105.1 | 3738989.6 | 282.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001414 | 0 | 0.82460E-07 | 454096.4 | 3739000.5 | 282.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001415 | 0 | 0.82460E-07 | 454088.7 | 3739012.2 | 282.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001416 | 0 | 0.82460E-07 | 454081.0 | 3739023.9 | 282.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001417 | 0 | 0.82460E-07 | 454073.3 | 3739035.6 | 282.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001418 | 0 | 0.82460E-07 | 454065.6 | 3739047.3 | 282.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001419 | 0 | 0.82460E-07 | 454057.9 | 3739059.0 | 283.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001420 | 0 | 0.82460E-07 | 454050.2 | 3739070.7 | 283.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001421 | 0 | 0.82460E-07 | 454042.6 | 3739082.4 | 283.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001422 | 0 | 0.82460E-07 | 454034.9 | 3739094.1 | 283.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001423 | 0 | 0.82460E-07 | 454027.2 | 3739105.8 | 283.3 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001424 | 0 | 0.82460E-07 | 454019.6 | 3739117.6 | 283.3 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001425 | 0 | 0.82460E-07 | 454011.9 | 3739129.3 | 283.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001529 | 0 | 0.82460E-07 | 453333.3 | 3740407.9 | 278.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001530 | 0 | 0.82460E-07 | 453333.1 | 3740421.9 | 278.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001531 | 0 | 0.82460E-07 | 453332.9 | 3740435.9 | 278.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001532 | 0 | 0.82460E-07 | 453332.8 | 3740449.9 | 277.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001533 | 0 | 0.82460E-07 | 453332.6 | 3740463.9 | 277.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001534 | 0 | 0.82460E-07 | 453332.2 | 3740477.8 | 277.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001535 | 0 | 0.82460E-07 | 453331.0 | 3740491.8 | 276.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001536 | 0 | 0.82460E-07 | 453329.9 | 3740505.8 | 276.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001537 | 0 | 0.82460E-07 | 453328.8 | 3740519.7 | 275.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001538 | 0 | 0.82460E-07 | 453325.5 | 3740533.3 | 276.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001539 | 0 | 0.82460E-07 | 453322.0 | 3740546.9 | 276.3 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001540 | 0 | 0.82460E-07 | 453318.6 | 3740560.4 | 276.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001541 | 0 | 0.82460E-07 | 453314.2 | 3740573.7 | 276.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001542 | 0 | 0.82460E-07 | 453309.9 | 3740587.1 | 275.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001543 | 0 | 0.82460E-07 | 453305.5 | 3740600.4 | 275.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001544 | 0 | 0.82460E-07 | 453301.1 | 3740613.7 | 275.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001545 | 0 | 0.82460E-07 | 453296.8 | 3740627.0 | 274.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

 *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14982 Corona
 Clay\14982 Ops\149 *** 04/22/25
 *** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE | NUMBER | EMISSION | RATE | | BASE | RELEASE | INIT. | INIT. |
|----------|--------|-------------|------|---|----------|----------|----------|----------|
| SOURCE | URBAN | EMISSION | RATE | | ELEV. | HEIGHT | SY | SZ |
| ID | PART. | (GRAMS/SEC) | | X | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) | SCALAR | VARY | | | | | | |
| | CATS. | | BY | | | | | |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001546 | 0 | 0.82460E-07 | 453292.4 | 3740640.3 | 274.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001547 | 0 | 0.82460E-07 | 453289.0 | 3740653.8 | 273.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001548 | 0 | 0.82460E-07 | 453285.6 | 3740667.4 | 273.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001549 | 0 | 0.82460E-07 | 453282.3 | 3740681.0 | 272.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001550 | 0 | 0.82460E-07 | 453279.2 | 3740694.6 | 272.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0001551 | 0 | 0.82460E-07 | 453278.2 | 3740708.6 | 270.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0001552 YES | 0 | 0.82460E-07 | 453277.3 | 3740722.6 | 269.6 | 3.49 | 6.51 | 3.25 |
| L0001553 YES | 0 | 0.82460E-07 | 453276.4 | 3740736.6 | 268.3 | 3.49 | 6.51 | 3.25 |
| L0001554 YES | 0 | 0.82460E-07 | 453276.7 | 3740750.5 | 267.5 | 3.49 | 6.51 | 3.25 |
| L0001555 YES | 0 | 0.82460E-07 | 453277.2 | 3740764.5 | 266.8 | 3.49 | 6.51 | 3.25 |
| L0001556 YES | 0 | 0.82460E-07 | 453277.7 | 3740778.5 | 266.0 | 3.49 | 6.51 | 3.25 |
| L0001557 YES | 0 | 0.82460E-07 | 453279.5 | 3740792.4 | 266.2 | 3.49 | 6.51 | 3.25 |
| L0001558 YES | 0 | 0.82460E-07 | 453281.3 | 3740806.3 | 266.4 | 3.49 | 6.51 | 3.25 |
| L0001559 YES | 0 | 0.82460E-07 | 453283.1 | 3740820.2 | 266.5 | 3.49 | 6.51 | 3.25 |
| L0001560 YES | 0 | 0.82460E-07 | 453284.9 | 3740834.1 | 266.7 | 3.49 | 6.51 | 3.25 |
| L0001561 YES | 0 | 0.82460E-07 | 453286.7 | 3740847.9 | 266.9 | 3.49 | 6.51 | 3.25 |
| L0001562 YES | 0 | 0.82460E-07 | 453288.5 | 3740861.8 | 267.0 | 3.49 | 6.51 | 3.25 |
| L0001563 YES | 0 | 0.82460E-07 | 453290.3 | 3740875.7 | 267.2 | 3.49 | 6.51 | 3.25 |
| L0001564 YES | 0 | 0.82460E-07 | 453291.7 | 3740889.6 | 267.3 | 3.49 | 6.51 | 3.25 |
| L0001565 YES | 0 | 0.82460E-07 | 453292.1 | 3740903.6 | 267.4 | 3.49 | 6.51 | 3.25 |
| L0001566 YES | 0 | 0.82460E-07 | 453292.6 | 3740917.6 | 267.5 | 3.49 | 6.51 | 3.25 |
| L0001567 YES | 0 | 0.82460E-07 | 453293.0 | 3740931.6 | 267.6 | 3.49 | 6.51 | 3.25 |
| L0001568 YES | 0 | 0.82460E-07 | 453293.5 | 3740945.6 | 267.6 | 3.49 | 6.51 | 3.25 |
| L0001569 YES | 0 | 0.82460E-07 | 453283.5 | 3740949.2 | 267.8 | 3.49 | 6.51 | 3.25 |
| L0001570 YES | 0 | 0.82460E-07 | 453269.6 | 3740948.8 | 267.9 | 3.49 | 6.51 | 3.25 |
| L0001571 YES | 0 | 0.82460E-07 | 453255.6 | 3740948.3 | 268.1 | 3.49 | 6.51 | 3.25 |
| L0001572 YES | 0 | 0.82460E-07 | 453242.0 | 3740945.3 | 268.7 | 3.49 | 6.51 | 3.25 |
| L0001573 YES | 0 | 0.82460E-07 | 453228.7 | 3740941.0 | 269.5 | 3.49 | 6.51 | 3.25 |
| L0001574 YES | 0 | 0.82460E-07 | 453215.4 | 3740936.5 | 270.3 | 3.49 | 6.51 | 3.25 |
| L0001575 YES | 0 | 0.82460E-07 | 453202.5 | 3740931.1 | 271.1 | 3.49 | 6.51 | 3.25 |
| L0001576 YES | 0 | 0.82460E-07 | 453189.6 | 3740925.6 | 271.8 | 3.49 | 6.51 | 3.25 |
| L0001577 YES | 0 | 0.82460E-07 | 453176.7 | 3740920.2 | 272.6 | 3.49 | 6.51 | 3.25 |
| L0001578 YES | 0 | 0.82460E-07 | 453163.8 | 3740914.8 | 273.4 | 3.49 | 6.51 | 3.25 |
| L0001579 YES | 0 | 0.82460E-07 | 453150.4 | 3740910.8 | 274.4 | 3.49 | 6.51 | 3.25 |
| L0001580 YES | 0 | 0.82460E-07 | 453137.0 | 3740906.7 | 275.5 | 3.49 | 6.51 | 3.25 |
| L0001581 YES | 0 | 0.82460E-07 | 453123.6 | 3740902.7 | 276.6 | 3.49 | 6.51 | 3.25 |
| L0001582 YES | 0 | 0.82460E-07 | 453110.2 | 3740898.7 | 277.5 | 3.49 | 6.51 | 3.25 |
| L0001583 YES | 0 | 0.82460E-07 | 453096.8 | 3740894.6 | 277.8 | 3.49 | 6.51 | 3.25 |
| L0001584 YES | 0 | 0.82460E-07 | 453083.4 | 3740890.5 | 278.1 | 3.49 | 6.51 | 3.25 |

L0001585 0 0.82460E-07 453070.1 3740886.4 278.3 3.49 6.51 3.25
YES

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE | NUMBER | EMISSION | RATE | | | BASE | RELEASE | INIT. | INIT. |
|----------|--------|-------------|------|----------|----------|----------|----------|----------|----------|
| SOURCE | PART. | EMISSION | RATE | X | Y | ELEV. | HEIGHT | SY | SZ |
| ID | SCALAR | (GRAMS/SEC) | VARY | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) | CATS. | BY | | | | | | | |

| | | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|--|
| L0001586 | 0 | 0.82460E-07 | 453056.7 | 3740882.3 | 278.6 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0001587 | 0 | 0.82460E-07 | 453043.3 | 3740878.2 | 278.8 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0001588 | 0 | 0.82460E-07 | 453029.9 | 3740874.1 | 279.1 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0001589 | 0 | 0.82460E-07 | 453016.5 | 3740870.0 | 279.3 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0001590 | 0 | 0.82460E-07 | 453003.1 | 3740865.9 | 279.6 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0001591 | 0 | 0.82460E-07 | 452989.7 | 3740861.8 | 279.8 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0001592 | 0 | 0.82460E-07 | 452976.3 | 3740857.7 | 280.1 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

| SRCGROUP ID | SOURCE IDs |
|-------------|-------------------------------------------------------------------|
| ----- | ----- |
| ALL | L0000611 , L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , |
| L0000617 | , L0000618 , |
| | L0000619 , L0000620 , L0000621 , L0000622 , L0000623 , L0000624 , |
| | L0000625 , L0000626 , |
| | L0000627 , L0000628 , L0000629 , L0000630 , L0000631 , L0000632 , |
| | L0000633 , L0000634 , |
| | L0000635 , L0000636 , L0000637 , L0000638 , L0000639 , L0000640 , |
| | L0000641 , L0000642 , |
| | L0000643 , L0000644 , L0000645 , L0000646 , L0000647 , L0000648 , |
| | L0000649 , L0000650 , |

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L0000651 , L0000652 , L0000653 , L0000654 , L0000655 , L0000656 ,
L0000657 , L0000658 ,

L0000659 , L0000660 , L0000661 , L0000662 , L0000663 , L0000664 ,
L0000665 , L0000666 ,

L0000667 , L0000668 , L0001621 , L0001622 , L0001623 , L0001624 ,
L0001625 , L0001626 ,

L0001627 , L0001628 , L0001629 , L0001630 , L0001631 , L0001632 ,
L0001633 , L0001634 ,

L0000683 , L0000684 , L0000685 , L0000686 , L0000687 , L0000688 ,
L0000689 , L0000690 ,

L0000691 , L0000692 , L0000693 , L0000694 , L0000695 , L0000696 ,
L0000697 , L0000698 ,

L0000699 , L0000700 , L0000701 , L0000702 , L0000703 , L0000704 ,
L0000705 , L0000706 ,

L0000707 , L0000708 , L0000709 , L0000710 , L0000711 , L0000712 ,
L0000713 , L0000714 ,

L0000715 , L0000716 , L0000717 , L0000718 , L0000719 , L0000720 ,
L0000721 , L0000722 ,

L0000723 , L0000724 , L0000725 , L0000726 , L0000727 , L0000728 ,
L0000729 , L0000730 ,

L0000731 , L0000732 , L0000733 , L0000734 , L0000735 , L0000736 ,
L0000737 , L0000738 ,

L0000739 , L0000740 , L0000741 , L0000742 , L0000743 , L0000744 ,
L0000745 , L0000746 ,

L0000747 , L0000748 , L0000749 , L0000750 , L0000751 , L0000752 ,
L0000753 , L0000754 ,

L0000755 , L0000756 , L0000757 , L0000758 , L0000759 , L0000760 ,
L0000761 , L0000762 ,

L0000763 , L0000764 , L0000765 , L0000766 , L0000767 , L0000768 ,
L0000769 , L0001593 ,

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

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SRCGROUP ID

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SOURCE IDs

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L0001594 , L0001595 , L0001596 , L0001597 , L0001598 , L0001599 ,
L0001600 , L0001601 ,

L0001602 , L0001603 , L0001604 , L0001605 , L0001606 , L0001607 ,
L0001608 , L0001609 ,

L0001610 , L0001611 , L0001612 , L0001613 , L0001614 , L0001615 ,

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L0001616 , L0001617 ,
 L0001618 , L0001619 , L0001620 , L0000798 , L0000799 , L0000800 ,
 L0000801 , L0000802 ,
 L0000803 , L0000804 , L0000805 , L0000806 , L0000807 , L0000808 ,
 L0000809 , L0000810 ,
 L0000811 , L0000812 , L0000813 , L0000814 , L0000815 , L0000816 ,
 L0000817 , L0000818 ,
 L0000819 , L0000820 , L0000821 , L0000822 , L0000823 , L0000824 ,
 L0000825 , L0000826 ,
 L0000827 , L0000828 , L0000829 , L0000830 , L0000831 , L0000832 ,
 L0000833 , L0000834 ,
 L0000835 , L0000836 , L0000837 , L0000838 , L0000839 , L0000840 ,
 L0000841 , L0000842 ,
 L0001218 , L0001219 , L0001220 , L0001221 , L0001222 , L0001223 ,
 L0001224 , L0001225 ,
 L0001226 , L0001227 , L0001228 , L0001229 , L0001230 , L0001231 ,
 L0001232 , L0001233 ,
 L0001234 , L0001235 , L0001236 , L0001237 , L0001238 , L0001239 ,
 L0001240 , L0001241 ,
 L0001242 , L0001243 , L0001244 , L0001245 , L0001246 , L0001247 ,
 L0001248 , L0001249 ,
 L0001250 , L0001251 , L0001252 , L0001253 , L0001254 , L0001255 ,
 L0001256 , L0001257 ,
 L0001258 , L0001259 , L0001260 , L0001261 , L0001262 , L0001263 ,
 L0001264 , L0001265 ,
 L0001266 , L0001267 , L0001268 , L0001269 , L0001270 , L0001271 ,
 L0001298 , L0001299 ,
 L0001300 , L0001301 , L0001302 , L0001303 , L0001304 , L0001305 ,
 L0001306 , L0001307 ,
 L0001308 , L0001309 , L0001310 , L0001311 , L0001312 , L0001313 ,
 L0001314 , L0001315 ,
 L0001316 , L0001317 , L0001318 , L0001319 , L0001320 , L0001321 ,
 L0001322 , L0001323 ,
 L0001324 , L0001325 , L0001326 , L0001327 , L0001328 , L0001329 ,
 L0001330 , L0001331 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

L0001332 , L0001333 , L0001334 , L0001335 , L0001336 , L0001337 ,
 L0001338 , L0001339 ,

 L0001340 , L0001272 , L0001273 , L0001274 , L0001275 , L0001276 ,
 L0001277 , L0001278 ,

 L0001279 , L0001280 , L0001281 , L0001282 , L0001283 , L0001284 ,
 L0001285 , L0001286 ,

 L0001287 , L0001288 , L0001289 , L0001290 , L0001291 , L0001292 ,
 L0001293 , L0001294 ,

 L0001295 , L0001296 , L0001297 , L0001341 , L0001342 , L0001343 ,
 L0001344 , L0001345 ,

 L0001346 , L0001347 , L0001348 , L0001349 , L0001350 , L0001351 ,
 L0001352 , L0001353 ,

 L0001354 , L0001355 , L0001356 , L0001357 , L0001358 , L0001359 ,
 L0001360 , L0001361 ,

 L0001362 , L0001363 , L0001364 , L0001365 , L0001366 , L0001367 ,
 L0001368 , L0001369 ,

 L0001370 , L0001371 , L0001372 , L0001373 , L0001374 , L0001375 ,
 L0001376 , L0001377 ,

 L0001378 , L0001379 , L0001380 , L0001381 , L0001382 , L0001383 ,
 L0001384 , L0001385 ,

 L0001386 , L0001387 , L0001388 , L0001389 , L0001390 , L0001391 ,
 L0001392 , L0001393 ,

 L0001394 , L0001395 , L0001396 , L0001397 , L0001398 , L0001399 ,
 L0001400 , L0001401 ,

 L0001402 , L0001403 , L0001404 , L0001405 , L0001406 , L0001407 ,
 L0001408 , L0001409 ,

 L0001410 , L0001411 , L0001412 , L0001413 , L0001414 , L0001415 ,
 L0001416 , L0001417 ,

 L0001418 , L0001419 , L0001420 , L0001421 , L0001422 , L0001423 ,
 L0001424 , L0001425 ,

 L0001426 , L0001427 , L0001428 , L0001429 , L0001430 , L0001431 ,
 L0001432 , L0001433 ,

 L0001434 , L0001435 , L0001436 , L0001437 , L0001438 , L0001439 ,
 L0001440 , L0001441 ,

 L0001442 , L0001443 , L0001444 , L0001445 , L0001446 , L0001447 ,
 L0001448 , L0001449 ,

 L0001450 , L0001451 , L0001452 , L0001453 , L0001454 , L0001455 ,
 L0001456 , L0001457 ,

 L0001458 , L0001459 , L0001460 , L0001461 , L0001462 , L0001463 ,
 L0001464 , L0001465 ,

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

| | | | | | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| L0001466 | , | L0001467 | , | L0001468 | , | L0001469 | , | L0001470 | , | L0001471 | , |
| L0001472 | , | L0001473 | , | | | | | | | | |
| L0001474 | , | L0001475 | , | L0001476 | , | L0001477 | , | L0001478 | , | L0001479 | , |
| L0001480 | , | L0001481 | , | | | | | | | | |
| L0001482 | , | L0001483 | , | L0001484 | , | L0001485 | , | L0001486 | , | L0001487 | , |
| L0001488 | , | L0001489 | , | | | | | | | | |
| L0001490 | , | L0001491 | , | L0001492 | , | L0001493 | , | L0001494 | , | L0001495 | , |
| L0001496 | , | L0001497 | , | | | | | | | | |
| L0001498 | , | L0001499 | , | L0001500 | , | L0001501 | , | L0001502 | , | L0001503 | , |
| L0001504 | , | L0001505 | , | | | | | | | | |
| L0001506 | , | L0001507 | , | L0001508 | , | L0001509 | , | L0001510 | , | L0001511 | , |
| L0001512 | , | L0001513 | , | | | | | | | | |
| L0001514 | , | L0001515 | , | L0001516 | , | L0001517 | , | L0001518 | , | L0001519 | , |
| L0001520 | , | L0001521 | , | | | | | | | | |
| L0001522 | , | L0001523 | , | L0001524 | , | L0001525 | , | L0001526 | , | L0001527 | , |
| L0001528 | , | L0001529 | , | | | | | | | | |
| L0001530 | , | L0001531 | , | L0001532 | , | L0001533 | , | L0001534 | , | L0001535 | , |
| L0001536 | , | L0001537 | , | | | | | | | | |
| L0001538 | , | L0001539 | , | L0001540 | , | L0001541 | , | L0001542 | , | L0001543 | , |
| L0001544 | , | L0001545 | , | | | | | | | | |
| L0001546 | , | L0001547 | , | L0001548 | , | L0001549 | , | L0001550 | , | L0001551 | , |
| L0001552 | , | L0001553 | , | | | | | | | | |
| L0001554 | , | L0001555 | , | L0001556 | , | L0001557 | , | L0001558 | , | L0001559 | , |
| L0001560 | , | L0001561 | , | | | | | | | | |
| L0001562 | , | L0001563 | , | L0001564 | , | L0001565 | , | L0001566 | , | L0001567 | , |
| L0001568 | , | L0001569 | , | | | | | | | | |
| L0001570 | , | L0001571 | , | L0001572 | , | L0001573 | , | L0001574 | , | L0001575 | , |
| L0001576 | , | L0001577 | , | | | | | | | | |
| L0001578 | , | L0001579 | , | L0001580 | , | L0001581 | , | L0001582 | , | L0001583 | , |
| L0001584 | , | L0001585 | , | | | | | | | | |
| L0001586 | , | L0001587 | , | L0001588 | , | L0001589 | , | L0001590 | , | L0001591 | , |
| L0001592 | , | | | | | | | | | | |

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| URBAN ID | URBAN POP | SOURCE IDs | | | | | |
|----------|----------------------|--------------------------|-----------------|-----------------|-----------------|-----------------|--|
| ----- | ----- | ----- | | | | | |
| L0000618 | 2189641. L0000616 | L0000611 , L0000617 | , L0000612 , | , L0000613 , | , L0000614 , | , L0000615 , | |
| | L0000619 L0000625 | , L0000620 , L0000626 | , L0000621 , | , L0000622 , | , L0000623 , | , L0000624 , | |
| | L0000627 L0000633 | , L0000628 , L0000634 | , L0000629 , | , L0000630 , | , L0000631 , | , L0000632 , | |
| | L0000635 L0000641 | , L0000636 , L0000642 | , L0000637 , | , L0000638 , | , L0000639 , | , L0000640 , | |
| | L0000643 L0000649 | , L0000644 , L0000650 | , L0000645 , | , L0000646 , | , L0000647 , | , L0000648 , | |
| | L0000651 L0000657 | , L0000652 , L0000658 | , L0000653 , | , L0000654 , | , L0000655 , | , L0000656 , | |
| | L0000659 L0000665 | , L0000660 , L0000666 | , L0000661 , | , L0000662 , | , L0000663 , | , L0000664 , | |
| | L0000667 L0001625 | , L0000668 , L0001626 | , L0001621 , | , L0001622 , | , L0001623 , | , L0001624 , | |
| | L0001627 L0001633 | , L0001628 , L0001634 | , L0001629 , | , L0001630 , | , L0001631 , | , L0001632 , | |
| | L0000683 L0000689 | , L0000684 , L0000690 | , L0000685 , | , L0000686 , | , L0000687 , | , L0000688 , | |
| | L0000691 L0000697 | , L0000692 , L0000698 | , L0000693 , | , L0000694 , | , L0000695 , | , L0000696 , | |
| | L0000699 L0000705 | , L0000700 , L0000706 | , L0000701 , | , L0000702 , | , L0000703 , | , L0000704 , | |
| | L0000707 L0000713 | , L0000708 , L0000714 | , L0000709 , | , L0000710 , | , L0000711 , | , L0000712 , | |
| | L0000715 L0000721 | , L0000716 , L0000722 | , L0000717 , | , L0000718 , | , L0000719 , | , L0000720 , | |
| | L0000723 L0000729 | , L0000724 , L0000730 | , L0000725 , | , L0000726 , | , L0000727 , | , L0000728 , | |
| | L0000731 L0000737 | , L0000732 , L0000738 | , L0000733 , | , L0000734 , | , L0000735 , | , L0000736 , | |
| | L0000739 L0000745 | , L0000740 , L0000746 | , L0000741 , | , L0000742 , | , L0000743 , | , L0000744 , | |
| | L0000747 L0000753 | , L0000748 , L0000754 | , L0000749 , | , L0000750 , | , L0000751 , | , L0000752 , | |
| | L0000755 L0000761 | , L0000756 , L0000762 | , L0000757 , | , L0000758 , | , L0000759 , | , L0000760 , | |
| | L0000763 L0000769 | , L0000764 , L0001593 | , L0000765 , | , L0000766 , | , L0000767 , | , L0000768 , | |

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

| URBAN ID | URBAN POP | SOURCE IDs | | | | | |
|----------|------------|------------|------------|------------|------------|-------|-------|
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| L0001594 | , L0001595 | , L0001596 | , L0001597 | , L0001598 | , L0001599 | , | |
| L0001600 | , L0001601 | , | | | | | |
| L0001602 | , L0001603 | , L0001604 | , L0001605 | , L0001606 | , L0001607 | , | |
| L0001608 | , L0001609 | , | | | | | |
| L0001610 | , L0001611 | , L0001612 | , L0001613 | , L0001614 | , L0001615 | , | |
| L0001616 | , L0001617 | , | | | | | |
| L0001618 | , L0001619 | , L0001620 | , L0000798 | , L0000799 | , L0000800 | , | |
| L0000801 | , L0000802 | , | | | | | |
| L0000803 | , L0000804 | , L0000805 | , L0000806 | , L0000807 | , L0000808 | , | |
| L0000809 | , L0000810 | , | | | | | |
| L0000811 | , L0000812 | , L0000813 | , L0000814 | , L0000815 | , L0000816 | , | |
| L0000817 | , L0000818 | , | | | | | |
| L0000819 | , L0000820 | , L0000821 | , L0000822 | , L0000823 | , L0000824 | , | |
| L0000825 | , L0000826 | , | | | | | |
| L0000827 | , L0000828 | , L0000829 | , L0000830 | , L0000831 | , L0000832 | , | |
| L0000833 | , L0000834 | , | | | | | |
| L0000835 | , L0000836 | , L0000837 | , L0000838 | , L0000839 | , L0000840 | , | |
| L0000841 | , L0000842 | , | | | | | |
| L0001218 | , L0001219 | , L0001220 | , L0001221 | , L0001222 | , L0001223 | , | |
| L0001224 | , L0001225 | , | | | | | |
| L0001226 | , L0001227 | , L0001228 | , L0001229 | , L0001230 | , L0001231 | , | |
| L0001232 | , L0001233 | , | | | | | |
| L0001234 | , L0001235 | , L0001236 | , L0001237 | , L0001238 | , L0001239 | , | |
| L0001240 | , L0001241 | , | | | | | |
| L0001242 | , L0001243 | , L0001244 | , L0001245 | , L0001246 | , L0001247 | , | |
| L0001248 | , L0001249 | , | | | | | |
| L0001250 | , L0001251 | , L0001252 | , L0001253 | , L0001254 | , L0001255 | , | |
| L0001256 | , L0001257 | , | | | | | |
| L0001258 | , L0001259 | , L0001260 | , L0001261 | , L0001262 | , L0001263 | , | |
| L0001264 | , L0001265 | , | | | | | |
| L0001266 | , L0001267 | , L0001268 | , L0001269 | , L0001270 | , L0001271 | , | |
| L0001298 | , L0001299 | , | | | | | |
| L0001300 | , L0001301 | , L0001302 | , L0001303 | , L0001304 | , L0001305 | , | |
| L0001306 | , L0001307 | , | | | | | |
| L0001308 | , L0001309 | , L0001310 | , L0001311 | , L0001312 | , L0001313 | , | |

L0001314 , L0001315 ,
 L0001316 , L0001317 , L0001318 , L0001319 , L0001320 , L0001321 ,
 L0001322 , L0001323 ,
 L0001324 , L0001325 , L0001326 , L0001327 , L0001328 , L0001329 ,
 L0001330 , L0001331 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| URBAN ID | URBAN POP | SOURCE IDs | | | | | |
|----------|-----------|------------|----------|----------|----------|-------|-------|
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| L0001332 | L0001333 | L0001334 | L0001335 | L0001336 | L0001337 | | |
| L0001338 | L0001339 | | | | | | |
| L0001340 | L0001272 | L0001273 | L0001274 | L0001275 | L0001276 | | |
| L0001277 | L0001278 | | | | | | |
| L0001279 | L0001280 | L0001281 | L0001282 | L0001283 | L0001284 | | |
| L0001285 | L0001286 | | | | | | |
| L0001287 | L0001288 | L0001289 | L0001290 | L0001291 | L0001292 | | |
| L0001293 | L0001294 | | | | | | |
| L0001295 | L0001296 | L0001297 | L0001341 | L0001342 | L0001343 | | |
| L0001344 | L0001345 | | | | | | |
| L0001346 | L0001347 | L0001348 | L0001349 | L0001350 | L0001351 | | |
| L0001352 | L0001353 | | | | | | |
| L0001354 | L0001355 | L0001356 | L0001357 | L0001358 | L0001359 | | |
| L0001360 | L0001361 | | | | | | |
| L0001362 | L0001363 | L0001364 | L0001365 | L0001366 | L0001367 | | |
| L0001368 | L0001369 | | | | | | |
| L0001370 | L0001371 | L0001372 | L0001373 | L0001374 | L0001375 | | |
| L0001376 | L0001377 | | | | | | |
| L0001378 | L0001379 | L0001380 | L0001381 | L0001382 | L0001383 | | |
| L0001384 | L0001385 | | | | | | |
| L0001386 | L0001387 | L0001388 | L0001389 | L0001390 | L0001391 | | |
| L0001392 | L0001393 | | | | | | |
| L0001394 | L0001395 | L0001396 | L0001397 | L0001398 | L0001399 | | |
| L0001400 | L0001401 | | | | | | |
| L0001402 | L0001403 | L0001404 | L0001405 | L0001406 | L0001407 | | |
| L0001408 | L0001409 | | | | | | |
| L0001410 | L0001411 | L0001412 | L0001413 | L0001414 | L0001415 | | |
| L0001416 | L0001417 | | | | | | |
| L0001418 | L0001419 | L0001420 | L0001421 | L0001422 | L0001423 | | |
| L0001424 | L0001425 | | | | | | |

L0001426 , L0001427 , L0001428 , L0001429 , L0001430 , L0001431 ,
 L0001432 , L0001433 ,

 L0001434 , L0001435 , L0001436 , L0001437 , L0001438 , L0001439 ,
 L0001440 , L0001441 ,

 L0001442 , L0001443 , L0001444 , L0001445 , L0001446 , L0001447 ,
 L0001448 , L0001449 ,

 L0001450 , L0001451 , L0001452 , L0001453 , L0001454 , L0001455 ,
 L0001456 , L0001457 ,

 L0001458 , L0001459 , L0001460 , L0001461 , L0001462 , L0001463 ,
 L0001464 , L0001465 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

| URBAN ID | URBAN POP | SOURCE IDs | | | | | |
|----------|-----------|------------|----------|----------|----------|----------|--|
| ----- | ----- | ----- | | | | | |
| L0001466 | L0001472 | L0001467 | L0001468 | L0001469 | L0001470 | L0001471 | |
| L0001474 | L0001480 | L0001475 | L0001476 | L0001477 | L0001478 | L0001479 | |
| L0001482 | L0001488 | L0001483 | L0001484 | L0001485 | L0001486 | L0001487 | |
| L0001490 | L0001496 | L0001491 | L0001492 | L0001493 | L0001494 | L0001495 | |
| L0001498 | L0001504 | L0001499 | L0001500 | L0001501 | L0001502 | L0001503 | |
| L0001506 | L0001512 | L0001507 | L0001508 | L0001509 | L0001510 | L0001511 | |
| L0001514 | L0001520 | L0001515 | L0001516 | L0001517 | L0001518 | L0001519 | |
| L0001522 | L0001528 | L0001523 | L0001524 | L0001525 | L0001526 | L0001527 | |
| L0001530 | L0001536 | L0001531 | L0001532 | L0001533 | L0001534 | L0001535 | |
| L0001538 | L0001544 | L0001539 | L0001540 | L0001541 | L0001542 | L0001543 | |
| L0001546 | L0001552 | L0001547 | L0001548 | L0001549 | L0001550 | L0001551 | |
| L0001554 | L0001560 | L0001555 | L0001556 | L0001557 | L0001558 | L0001559 | |

L0001562 , L0001563 , L0001564 , L0001565 , L0001566 , L0001567 ,
L0001568 , L0001569 ,

L0001570 , L0001571 , L0001572 , L0001573 , L0001574 , L0001575 ,
L0001576 , L0001577 ,

L0001578 , L0001579 , L0001580 , L0001581 , L0001582 , L0001583 ,
L0001584 , L0001585 ,

L0001586 , L0001587 , L0001588 , L0001589 , L0001590 , L0001591 ,
L0001592 ,

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| | | | | |
|------------------------|--------|---------|-------|------------------------|
| (454324.6, 3738340.6, | 302.4, | 1258.0, | 0.0); | (454638.9, 3738314.0, |
| 288.7, 1258.0, | 0.0); | | | |
| (454642.2, 3738295.5, | 288.6, | 1258.0, | 0.0); | (454700.8, 3738195.5, |
| 289.0, 1258.0, | 0.0); | | | |
| (454733.3, 3738152.5, | 289.4, | 1258.0, | 0.0); | (454504.5, 3738456.0, |
| 289.2, 1258.0, | 0.0); | | | |
| (454325.1, 3738419.1, | 302.4, | 1258.0, | 0.0); | (454947.2, 3737688.1, |
| 301.3, 1258.0, | 0.0); | | | |
| (454449.7, 3737990.9, | 305.4, | 1258.0, | 0.0); | (454209.9, 3737479.1, |
| 376.0, 1258.0, | 0.0); | | | |
| (454156.9, 3737542.8, | 364.6, | 1258.0, | 0.0); | (454842.5, 3737358.0, |
| 317.8, 1258.0, | 0.0); | | | |
| (454001.2, 3738599.6, | 317.9, | 1258.0, | 0.0); | (455442.6, 3738495.8, |
| 337.2, 1258.0, | 0.0); | | | |
| (455524.7, 3738509.2, | 337.1, | 1258.0, | 0.0); | (454745.6, 3738284.5, |
| 286.2, 1258.0, | 0.0); | | | |
| (456211.5, 3738088.8, | 295.3, | 1258.0, | 0.0); | (455879.3, 3738212.0, |
| 294.2, 1258.0, | 0.0); | | | |
| (453936.3, 3738530.6, | 331.0, | 1258.0, | 0.0); | (454022.8, 3738615.0, |
| 317.4, 1258.0, | 0.0); | | | |
| (453968.6, 3738573.1, | 325.4, | 1258.0, | 0.0); | (453248.8, 3740681.1, |
| 275.5, 1258.0, | 0.0); | | | |
| (453298.1, 3740709.1, | 269.7, | 1258.0, | 0.0); | (453263.3, 3740588.8, |
| 280.8, 1258.0, | 0.0); | | | |
| (453351.4, 3740540.1, | 273.1, | 1258.0, | 0.0); | (453370.7, 3740401.0, |
| 276.9, 1258.0, | 0.0); | | | |
| (453304.9, 3740390.3, | 281.3, | 1258.0, | 0.0); | (453505.0, 3740129.7, |
| 276.5, 1258.0, | 0.0); | | | |
| (453591.9, 3739932.5, | 281.6, | 1258.0, | 0.0); | (453669.4, 3739748.5, |
| 285.2, 1258.0, | 0.0); | | | |
| (453560.1, 3739654.3, | 286.1, | 1258.0, | 0.0); | (453606.1, 3739565.4, |
| 287.1, 1258.0, | 0.0); | | | |
| (453631.3, 3739515.6, | 289.0, | 1258.0, | 0.0); | (453821.0, 3739207.5, |
| 289.2, 1258.0, | 0.0); | | | |
| (453714.5, 3739374.1, | 289.5, | 1258.0, | 0.0); | (454059.8, 3739097.8, |
| 282.0, 1258.0, | 0.0); | | | |
| (454020.1, 3739159.3, | 281.6, | 1258.0, | 0.0); | (454132.3, 3738995.4, |
| 280.8, 1258.0, | 0.0); | | | |
| (453841.0, 3739160.1, | 289.3, | 1258.0, | 0.0); | (453856.7, 3739074.2, |
| 290.5, 1258.0, | 0.0); | | | |
| (453859.7, 3739026.6, | 291.4, | 1258.0, | 0.0); | (453964.0, 3738983.0, |
| 288.0, 1258.0, | 0.0); | | | |
| (454088.2, 3738770.6, | 300.3, | 1258.0, | 0.0); | (454093.9, 3738746.2, |

Surface station no.: 3171

Upper air station no.: 3190

Name: UNKNOWN

Name:

UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O | LEN | Z0 | BOWEN | ALBEDO | REF | WS |
|------|------|-------|-----|-----|--------|--------|--------|--------|-------|-------|----------|------|------|-------|--------|-----|----|
| WD | HT | REF | TA | HT | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 01 | -1.3 | 0.065 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | | |
| 78. | 9.1 | 284.2 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 02 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | | |
| 69. | 9.1 | 283.8 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 03 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | | |
| 286. | 9.1 | 282.5 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 04 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | | |
| 348. | 9.1 | 282.5 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 05 | -1.3 | 0.066 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | | |
| 17. | 9.1 | 282.0 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 06 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | | |
| 161. | 9.1 | 282.0 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 07 | -1.3 | 0.066 | -9.000 | -9.000 | -999. | 40. | 18.2 | 0.23 | 2.69 | 1.00 | 0.40 | | |
| 273. | 9.1 | 282.0 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 08 | -3.6 | 0.091 | -9.000 | -9.000 | -999. | 66. | 18.3 | 0.23 | 2.69 | 0.54 | 0.90 | | |
| 113. | 9.1 | 283.8 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 09 | 39.6 | 0.087 | 0.358 | 0.016 | 40. | 61. | -1.4 | 0.23 | 2.69 | 0.33 | 0.40 | | |
| 336. | 9.1 | 285.9 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 10 | 110.7 | 0.206 | 0.740 | 0.007 | 127. | 225. | -6.9 | 0.23 | 2.69 | 0.25 | 1.30 | | |
| 158. | 9.1 | 291.4 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 11 | 161.7 | 0.105 | 1.203 | 0.005 | 374. | 87. | -1.0 | 0.23 | 2.69 | 0.23 | 0.40 | | |
| 33. | 9.1 | 297.0 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 12 | 185.5 | 0.271 | 1.535 | 0.005 | 676. | 339. | -9.3 | 0.23 | 2.69 | 0.22 | 1.80 | | |
| 313. | 9.1 | 298.8 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 13 | 183.9 | 0.219 | 1.828 | 0.005 | 1154. | 247. | -4.9 | 0.23 | 2.69 | 0.22 | 1.30 | | |
| 250. | 9.1 | 300.4 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 14 | 156.6 | 0.266 | 1.869 | 0.005 | 1446. | 330. | -10.4 | 0.23 | 2.69 | 0.23 | 1.80 | | |
| 217. | 9.1 | 301.4 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 15 | 104.7 | 0.256 | 1.677 | 0.005 | 1562. | 311. | -13.8 | 0.23 | 2.69 | 0.27 | 1.80 | | |
| 248. | 9.1 | 302.0 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 16 | 32.7 | 0.319 | 1.147 | 0.005 | 1596. | 433. | -85.9 | 0.23 | 2.69 | 0.36 | 2.70 | | |
| 235. | 9.1 | 302.0 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 17 | -15.5 | 0.190 | -9.000 | -9.000 | -999. | 208. | 39.6 | 0.23 | 2.69 | 0.63 | 1.80 | | |
| 46. | 9.1 | 299.2 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 18 | -4.1 | 0.092 | -9.000 | -9.000 | -999. | 73. | 16.2 | 0.23 | 2.69 | 1.00 | 0.90 | | |
| 107. | 9.1 | 294.9 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 19 | -999.0 | -9.000 | -9.000 | -9.000 | -999. | -999. | -99999.0 | 0.23 | 2.69 | 1.00 | 999.00 | | |
| 999. | -9.0 | 292.5 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 20 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.1 | 0.23 | 2.69 | 1.00 | 0.90 | | |
| 323. | 9.1 | 290.4 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 21 | -8.8 | 0.133 | -9.000 | -9.000 | -999. | 116. | 23.2 | 0.23 | 2.69 | 1.00 | 1.30 | | |
| 34. | 9.1 | 287.5 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 22 | -1.3 | 0.065 | -9.000 | -9.000 | -999. | 41. | 18.1 | 0.23 | 2.69 | 1.00 | 0.40 | | |
| 359. | 9.1 | 286.4 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 23 | -1.3 | 0.065 | -9.000 | -9.000 | -999. | 40. | 18.1 | 0.23 | 2.69 | 1.00 | 0.40 | | |
| 351. | 9.1 | 285.4 | | 5.5 | | | | | | | | | | | | | |
| 12 | 01 | 01 | 1 | 24 | -4.2 | 0.092 | -9.000 | -9.000 | -999. | 67. | 16.0 | 0.23 | 2.69 | 1.00 | 0.90 | | |
| 11. | 9.1 | 284.9 | | 5.5 | | | | | | | | | | | | | |

First hour of profile data

| YR | MO | DY | HR | HEIGHT | F | WDIR | WSPD | AMB_TMP | sigmaA | sigmaW | sigmaV |
|----|----|----|----|--------|---|-------|--------|---------|--------|--------|--------|
| 12 | 01 | 01 | 01 | 5.5 | 0 | -999. | -99.00 | 284.3 | 99.0 | -99.00 | -99.00 |
| 12 | 01 | 01 | 01 | 9.1 | 1 | 78. | 0.40 | -999.0 | 99.0 | -99.00 | -99.00 |

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

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

INCLUDING SOURCE(S): L0000611 , L0000612 , L0000613 , L0000614 , L0000615 , L0000616 , L0000617 , L0000618 , L0000619 , L0000620 , L0000621 , L0000622 , L0000623 , L0000624 , L0000625 , L0000626 , L0000627 , L0000628 , L0000629 , L0000630 , L0000631 , L0000632 , L0000633 , L0000634 , L0000635 , L0000636 , L0000637 , L0000638 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD |
|-------------|-------------|---------|-------------|---------|
| 454324.61 | 3738340.63 | 0.00024 | 454638.91 | |
| 3738314.01 | 0.00123 | | | |
| 454642.24 | 3738295.49 | 0.00113 | 454700.75 | |
| 3738195.50 | 0.00152 | | | |
| 454733.34 | 3738152.54 | 0.00181 | 454504.49 | |
| 3738456.03 | 0.00062 | | | |
| 454325.08 | 3738419.12 | 0.00024 | 454947.17 | |
| 3737688.09 | 0.00138 | | | |
| 454449.72 | 3737990.87 | 0.00027 | 454209.91 | |
| 3737479.14 | 0.00006 | | | |
| 454156.94 | 3737542.85 | 0.00006 | 454842.49 | |
| 3737357.96 | 0.00037 | | | |
| 454001.16 | 3738599.60 | 0.00011 | 455442.64 | |
| 3738495.83 | 0.00017 | | | |
| 455524.68 | 3738509.17 | 0.00015 | 454745.61 | |
| 3738284.48 | 0.00169 | | | |
| 456211.52 | 3738088.78 | 0.00010 | 455879.33 | |
| 3738211.99 | 0.00017 | | | |
| 453936.32 | 3738530.61 | 0.00009 | 454022.75 | |
| 3738615.01 | 0.00012 | | | |
| 453968.64 | 3738573.15 | 0.00010 | 453248.80 | |
| 3740681.11 | 0.00041 | | | |
| 453298.12 | 3740709.06 | 0.00063 | 453263.29 | |
| 3740588.79 | 0.00033 | | | |
| 453351.40 | 3740540.11 | 0.00048 | 453370.73 | |
| 3740401.00 | 0.00042 | | | |
| 453304.88 | 3740390.29 | 0.00047 | 453504.96 | |
| 3740129.72 | 0.00030 | | | |
| 453591.92 | 3739932.47 | 0.00040 | 453669.43 | |
| 3739748.47 | 0.00060 | | | |
| 453560.10 | 3739654.26 | 0.00019 | 453606.10 | |
| 3739565.40 | 0.00019 | | | |
| 453631.31 | 3739515.62 | 0.00019 | 453820.99 | |
| 3739207.47 | 0.00021 | | | |
| 453714.49 | 3739374.15 | 0.00020 | 454059.82 | |
| 3739097.82 | 0.00062 | | | |
| 454020.12 | 3739159.26 | 0.00060 | 454132.29 | |

| | | | |
|------------|------------|---------|-----------|
| 3738995.42 | 0.00062 | | |
| 453840.97 | 3739160.09 | 0.00020 | 453856.67 |
| 3739074.18 | 0.00017 | | |
| 453859.72 | 3739026.64 | 0.00016 | 453963.95 |
| 3738983.03 | 0.00021 | | |
| 454088.24 | 3738770.65 | 0.00019 | 454093.91 |
| 3738746.23 | 0.00018 | | |
| 454309.79 | 3738439.21 | 0.00023 | 454292.78 |
| 3738460.14 | 0.00022 | | |
| 454246.55 | 3738499.83 | 0.00019 | 454234.34 |
| 3738526.87 | 0.00020 | | |
| 454236.09 | 3738937.80 | 0.00043 | 453297.40 |
| 3740724.53 | 0.00063 | | |
| 453296.19 | 3740740.97 | | |
| 0.00064 | | | |

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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

NETWORK

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

| | | | | | |
|----------|-----------------------|--------------|------------|-------------|---------|
| ALL | 1ST HIGHEST VALUE IS | 0.00181 AT (| 454733.34, | 3738152.54, | 289.45, |
| 1258.00, | 0.00) DC | | | | |
| | 2ND HIGHEST VALUE IS | 0.00169 AT (| 454745.61, | 3738284.48, | 286.18, |
| 1258.00, | 0.00) DC | | | | |
| | 3RD HIGHEST VALUE IS | 0.00152 AT (| 454700.75, | 3738195.50, | 289.01, |
| 1258.00, | 0.00) DC | | | | |
| | 4TH HIGHEST VALUE IS | 0.00138 AT (| 454947.17, | 3737688.09, | 301.31, |
| 1258.00, | 0.00) DC | | | | |
| | 5TH HIGHEST VALUE IS | 0.00123 AT (| 454638.91, | 3738314.01, | 288.69, |
| 1258.00, | 0.00) DC | | | | |
| | 6TH HIGHEST VALUE IS | 0.00113 AT (| 454642.24, | 3738295.49, | 288.58, |
| 1258.00, | 0.00) DC | | | | |
| | 7TH HIGHEST VALUE IS | 0.00064 AT (| 453296.19, | 3740740.97, | 267.33, |
| 1258.00, | 0.00) DC | | | | |
| | 8TH HIGHEST VALUE IS | 0.00063 AT (| 453298.12, | 3740709.06, | 269.71, |
| 1258.00, | 0.00) DC | | | | |
| | 9TH HIGHEST VALUE IS | 0.00063 AT (| 453297.40, | 3740724.53, | 268.68, |
| 1258.00, | 0.00) DC | | | | |
| | 10TH HIGHEST VALUE IS | 0.00062 AT (| 454059.82, | 3739097.82, | 281.99, |
| 1258.00, | 0.00) DC | | | | |

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14982 Corona
 Clay\14982 Ops\149 *** 04/22/25

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

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

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1763 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 884 Calm Hours Identified

A Total of 879 Missing Hours Identified (2.00 Percent)

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

***** WARNING MESSAGES *****
ME W186 1753 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1753 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

APPENDIX 3:
RISK CALCULATIONS

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
-0.25 to 0 Age Bin Exposure Scenario

| Source (a) | Mass GLC | | Weight Fraction (d) | Contaminant (e) | Carcinogenic Risk | | | | Noncarcinogenic Hazards/ Toxicological Endpoints** | | | | | | | | | | |
|---------------|-----------------------------|-----------------------------|---------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|----------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|---------|
| | (ug/m ³) (b) | (mg/m ³) (c) | | | URF (ug/m ³) ⁻¹ (f) | CPF (mg/kg/day) ⁻¹ (g) | DOSE (mg/kg-day) (h) | RISK (i) | REL (ug/m ³) (j) | RfD (mg/kg/day) (k) | RESP (l) | CNS/PNS (m) | CV/BL (n) | IMMUN (o) | KIDN (p) | GI/LV (q) | REPRO (r) | EYES (s) | |
| | | 0.00064 | | | 6.40E-07 | 1.00E+00 | Diesel Particulate | 3.0E-04 | 1.1E+00 | 2.2E-07 | 7.1E-09 | 5.0E+00 | 1.4E-03 | 1.3E-04 | | | | | |
| TOTAL | | | | | | | | 7.1E-09 | | | 1.3E-04 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

| | |
|----------------------------------------------|------|
| exposure frequency (days/year) | 350 |
| exposure duration (years) | 0.25 |
| inhalation rate (L/kg-day) | 361 |
| inhalation absorption factor | 1 |
| averaging time (years) | 70 |
| fraction of time at home | 0.85 |
| age sensitivity factor (age third trimester) | 10 |

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario

| Source (a) | Mass GLC | | Weight Fraction (d) | Contaminant (e) | Carcinogenic Risk | | | | Noncarcinogenic Hazards/ Toxicological Endpoints** | | | | | | | | | | |
|---------------|-----------------------------|-----------------------------|---------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|-----------------------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|--|
| | (ug/m ³) (b) | (mg/m ³) (c) | | | URF (ug/m ³) ⁻¹ (f) | CPF (mg/kg/day) ⁻¹ (g) | DOSE (mg/kg-day) (h) | RISK (i) | REL (ug/m ³) (j) | RfD (mg/kg/day) (k) | RESP (l) | CNS/PNS (m) | CV/BL (n) | IMMUN (o) | KIDN (p) | GI/LV (q) | REPRO (r) | EYES (s) | |
| | | 0.00064 | | | 6.40E-07 | 1.00E+00 | Diesel Particulate | 3.0E-04 | 1.1E+00 | 6.7E-07 | 1.7E-07 | 5.0E+00 | 1.4E-03 | 1.3E-04 | | | | | |
| TOTAL | | | | | 1.7E-07 | | | | 1.3E-04 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 | | | | | | | | | | |

** Key to Toxicological Endpoints

RESP Respiratory System
 CNS/PNS Central/Peripheral Nervous System
 CV/BL Cardiovascular/Blood System
 IMMUN Immune System
 KIDN Kidney
 GI/LV Gastrointestinal System/Liver
 REPRO Reproductive System (e.g. teratogenic and developmental effects)
 EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

| | |
|-------------------------------------------|------|
| exposure frequency (days/year) | 350 |
| exposure duration (years) | 2 |
| inhalation rate (L/kg-day) | 1090 |
| inhalation absorption factor | 1 |
| averaging time (years) | 70 |
| fraction of time at home | 0.85 |
| age sensitivity factor (0 to 2 years old) | 10 |

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

| Source (a) | Mass GLC | | Weight Fraction (d) | Contaminant (e) | Carcinogenic Risk | | | | Noncarcinogenic Hazards/ Toxicological Endpoints** | | | | | | | | | | |
|---------------|-----------------------------|-----------------------------|---------------------------|--------------------|--------------------------------------------------|-----------------------------------------|----------------------------|-------------|-----------------------------------------------------------------|---------------------------|-------------|----------------|--------------|--------------|-------------|--------------|--------------|-------------|--|
| | (ug/m ³) (b) | (mg/m ³) (c) | | | URF (ug/m ³) ⁻¹ (f) | CPF (mg/kg/day) ⁻¹ (g) | DOSE (mg/kg-day) (h) | RISK (i) | REL (ug/m ³) (j) | RfD (mg/kg/day) (k) | RESP (l) | CNS/PNS (m) | CV/BL (n) | IMMUN (o) | KIDN (p) | GI/LV (q) | REPRO (r) | EYES (s) | |
| | | 0.00064 | | | 6.40E-07 | 1.00E+00 | Diesel Particulate | 3.0E-04 | 1.1E+00 | 3.5E-07 | 1.6E-07 | 5.0E+00 | 1.4E-03 | 1.3E-04 | | | | | |
| TOTAL | | | | | 1.6E-07 | | | | 1.3E-04 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 | | | | | | | | | | |

** Key to Toxicological Endpoints

RESP Respiratory System
 CNS/PNS Central/Peripheral Nervous System
 CV/BL Cardiovascular/Blood System
 IMMUN Immune System
 KIDN Kidney
 GI/LV Gastrointestinal System/Liver
 REPRO Reproductive System (e.g. teratogenic and developmental effects)
 EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

| | |
|---------------------------------------------|------|
| exposure frequency (days/year) | 350 |
| exposure duration (years) | 14 |
| inhalation rate (L/kg-day) | 572 |
| inhalation absorption factor | 1 |
| averaging time (years) | 70 |
| fraction of time at home | 0.72 |
| age sensitivity factor (ages 2 to 16 years) | 3 |

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
16-30 Age Bin Exposure Scenario

| Source (a) | Mass GLC | | Weight Fraction (d) | Contaminant (e) | Carcinogenic Risk | | | | Noncarcinogenic Hazards/ Toxicological Endpoints** | | | | | | | | | | |
|-----------------|-------------------------------|-------------------------------|-----------------------------|----------------------|----------------------------------------------------|-------------------------------------------|------------------------------|---------------|----------------------------------------------------|-----------------------------|---------------|------------------|----------------|----------------|---------------|----------------|----------------|---------------|--|
| | (ug/m ³) (b) | (mg/m ³) (c) | | | URF (ug/m ³) ⁻¹ (f) | CPF (mg/kg/day) ⁻¹ (g) | DOSE (mg/kg-day) (h) | RISK (i) | REL (ug/m ³) (j) | RfD (mg/kg/day) (k) | RESP (l) | CNS/PNS (m) | CV/BL (n) | IMMUN (o) | KIDN (p) | GI/LV (q) | REPRO (r) | EYES (s) | |
| | | 0.00064 | | | 6.40E-07 | 1.00E+00 | Diesel Particulate | 3.0E-04 | 1.1E+00 | 1.6E-07 | 2.5E-08 | 5.0E+00 | 1.4E-03 | 1.3E-04 | | | | | |
| TOTAL | | | | | 2.5E-08 | | | | 0.02 | | | | | | | | | | |

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

| | |
|--------------------------------------------------|------|
| exposure frequency (days/year) | 350 |
| exposure duration (years) | 14 |
| inhalation rate (L/kg-day) | 261 |
| inhalation absorption factor | 1 |
| averaging time (years) | 70 |
| fraction of time at home | 0.73 |
| age sensitivity factor (ages 16 to 30 years old) | 1 |

Total Risk for All Age Bins (per million) 0.36

Table 4
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
16-30 Age Bin Exposure Scenario

| Source (a) | Mass GLC | | Weight Fraction (d) | Contaminant (e) | Carcinogenic Risk | | | | Noncarcinogenic Hazards/ Toxicological Endpoints** | | | | | | | | | |
|-----------------|-------------------------------|-------------------------------|-----------------------------|----------------------|----------------------------------------------------|-------------------------------------------|------------------------------|---------------|-----------------------------------------------------------------|-----------------------------|---------------|------------------|----------------|----------------|---------------|----------------|----------------|---------------|
| | (ug/m ³) (b) | (mg/m ³) (c) | | | URF (ug/m ³) ⁻¹ (f) | CPF (mg/kg/day) ⁻¹ (g) | DOSE (mg/kg-day) (h) | RISK (i) | REL (ug/m ³) (j) | RfD (mg/kg/day) (k) | RESP (l) | CNS/PNS (m) | CV/BL (n) | IMMUN (o) | KIDN (p) | GI/LV (q) | REPRO (r) | EYES (s) |
| | 0.00024 | 2.40E-07 | | | 1.00E+00 | Diesel Particulate | 3.0E-04 | 1.1E+00 | 6.0E-08 | 9.2E-09 | 5.0E+00 | 1.4E-03 | 4.8E-05 | | | | | |
| TOTAL | | | | | 9.2E-09 | | | | 4.8E-05 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 | | | | | | | | | |

0.01

** Key to Toxicological Endpoints

RESP Respiratory System
CNS/PNS Central/Peripheral Nervous System
CV/BL Cardiovascular/Blood System
IMMUN Immune System
KIDN Kidney
GI/LV Gastrointestinal System/Liver
REPRO Reproductive System (e.g. teratogenic and developmental effects)
EYES Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

| | |
|--------------------------------------------------|------|
| exposure frequency (days/year) | 350 |
| exposure duration (years) | 14 |
| inhalation rate (L/kg-day) | 261 |
| inhalation absorption factor | 1 |
| averaging time (years) | 70 |
| fraction of time at home | 0.73 |
| age sensitivity factor (ages 16 to 30 years old) | 1 |

Total Risk for All Age Bins (per million) 0.30