



8978 Haven Ave. Warehouse
MOBILE SOURCE HEALTH RISK ASSESSMENT
CITY OF RANCHO CUCAMONGA

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11586-04 HRA Report

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	Atmospheric Dispersion Modeling System
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard
PCE	Passenger Car Equivalent
PM10	Particulate Matter 10 microns in diameter or less
Project	8978 Haven Ave. Warehouse
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TIA	Traffic Impact Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

This report evaluated the potential mobile source health risk impacts to sensitive receptors (residents and schools) and adjacent workers associated with the development of the proposed Project, more specifically, health risk impacts as a result of exposure to Toxic Air Contaminants (TACs) including diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project mobile source health risks.

The results of the health risk assessment of lifetime cancer risk from Project-generated TAC emissions are provided in Table ES-1.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 60 feet east of the Project site on 8th Street. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 0.48 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 0.0002, 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 residences.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located immediately adjacent 30 feet south of the Project site an existing industrial use. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.10 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.0003, 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 workers.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is located at the Rancho Cucamonga Middle School approximately ½ mile (2,640 feet) east of the Project site north of Feron Blvd. and west of Hermosa Ave. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact at this location is 0.02 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 0.0004, which would not exceed the applicable threshold of 1.0. Any other schools near the Project would be exposed to less emissions and consequently less impacts than what is disclosed for the MEISC. As such, the Project will not cause a significant human health or cancer risk to adjacent school children.

TABLE ES-1: SUMMARY OF 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	0.48	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.10	10	NO
9 Year Exposure	Maximum Exposed School Child	0.02	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.0002	1.0	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.0003	1.0	NO
9 Year Exposure	Maximum Exposed School Child	0.0004	1.0	NO

1 INTRODUCTION

The purpose of this Health Risk Assessment (HRA) is to evaluate Project-related impacts to sensitive receptors (residential, schools) and adjacent workers as a result of heavy-duty diesel trucks accessing the site.

The South Coast Air Quality Management District (SCAQMD) typically issues a comment letter on the Notice of Preparation of a CEQA Document. Per the SCAQMD's typical comment letter, if a proposed Project is expected to generate/attract diesel trucks, which emit diesel particulate matter (DPM), preparation of a HRA is necessary. This document serves to meet the SCAQMD's request for preparation of a HRA. The mobile source HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the U.S. EPA, California Environmental Protection Agency and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to DPM exposure. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulative impact.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (2). In this report the AQMD clearly states (Page D-3):

"...the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is $HI > 1.0$ while the cumulative (facility-wide) is $HI > 3.0$. It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.

Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less than one (1.0) means that adverse health effects are not expected. Within this analysis, non-carcinogenic exposures of less than 1.0 are considered less-than-significant.

1.1 SITE LOCATION

The proposed 8978 Haven Ave. Warehouse Project is located west of Haven Avenue at 8th Street in the City of Rancho Cucamonga, as shown on Exhibit 1-A. The Project site is located roughly 170 feet south of existing Southern California Regional Rail Authority and Metrolink railroad lines. The Ontario International Airport (ONT) is located approximately 2.15 miles south of the Project site. The Project site is currently occupied by TMT Industries and includes existing industrial and truck activities on-site. Additional existing industrial uses are located west, east, and south of the Project site; with vacant land located east of the Project site, and office uses located east across Haven Avenue. Existing residential uses in the Project study area include one existing residential home east of the Project site on 8th Street, and additional homes located north of the Project site on Humboldt Avenue.

1.2 PROJECT DESCRIPTION

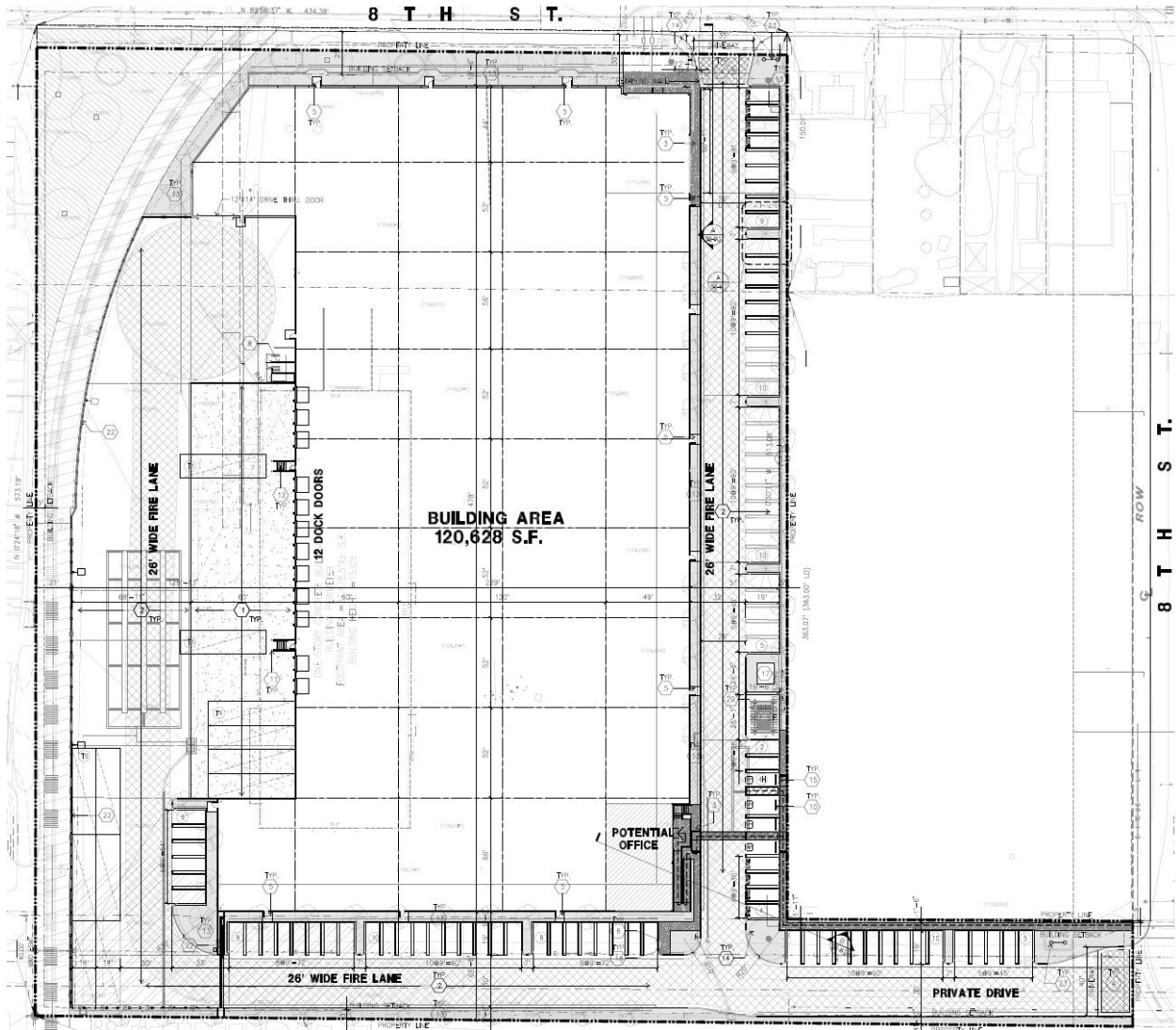
It is our understanding that the Project is proposed to include the development of 120,628 square feet of general warehouse use, as shown on Exhibit 1-B. For the purposes of this Health Risk Assessment (HRA), it is assumed that the Project will be developed in a single phase with an Opening Year of 2020.

Per the *8978 Haven Ave. Warehouse Trip Generation Evaluation*, the existing land use is estimated to generate a net total of 307 trip-ends per day (actual vehicles), while the Project is expected to generate a net total of approximately 210 trip-ends per day (actual vehicles), resulting in a net decrease of 97 trip-ends per day (3). The Project trip generation includes 42 truck trip-ends per day from the proposed Project site including 16.7% 2-axle trucks, 20.7% 3-axle trucks, and 62.6% 4+-axle trucks.

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: SITE PLAN



2 BACKGROUND

2.1 REGULATORY SETTING

ARB estimates that the average Californian is exposed to 1.2-1.8 $\mu\text{g}/\text{m}^3$ of DPM annually, this exposure results in an average cancer risk of 360-540 in one million for the average Californian exposed to DPM (4).

As noted above, this HRA is based on SCAQMD guidelines to produce conservative estimates of risk posed by exposure to DPM. The conservative nature of this analysis is due primarily to the following factors:

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per $\mu\text{g}/\text{m}^3$ is based upon the upper 95 percentile of estimated risk for each of the epidemiological studies utilized to develop the URF. Using the 95th percentile URF represents a very conservative (health-protective) risk posed by DPM.
- The risk estimates assume sensitive receptors will be subject to DPM for 24 hours a day, 350 days a year.
- The emissions derived assume that every truck accessing the project site will idle for 15 minutes under the unmitigated scenario, this is an overestimation of actual idling times and thus conservative.¹ It should be noted that ARB's anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

2.2 EMISSIONS ESTIMATION

2.2.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were estimated using emission factors for particulate matter less than 10 μm in diameter (PM_{10}) generated with the 2014 version of the Emission FACtor model (EMFAC) developed by the ARB. EMFAC 2014 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (5). The most recent version of this model, EMFAC 2014, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

Several distinct emission processes are included in EMFAC 2014. Emission factors calculated using EMFAC 2014 are expressed in units of grams per vehicle miles traveled (g/VMT) or grams per idle-hour (g/idle-hr), depending on the emission process. The emission processes and corresponding emission factor units associated with diesel particulate exhaust for this Project are presented below.

¹ Although the Project is required to comply with ARB's idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (personal communication, in person, with Jillian Wong, December 22, 2016), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc.

For this Project, annual average PM₁₀ emission factors were generated by running EMFAC 2014 in EMFAC Mode for vehicles in the SCAQMD jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

- Idling – on-site loading/unloading and truck gate
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

Calculated emission factors are shown at Table 2-1. As a conservative measure, a 2020 EMFAC 2014 run was conducted and a static 2020 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2020 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated after 2020. Additionally, based on EMFAC2014, Light-Heavy-Duty Trucks comprise of 43.15% diesel, Medium-Heavy-Duty Trucks comprise of 87.2% diesel, and Heavy-Heavy-Duty Trucks comprise of 99.15% diesel trucks and have been accounted for accordingly in the emissions factor generation.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM₁₀ emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (5):

$$\text{Emissions}_{\text{SpeedA}} \text{ (g/s)} = \text{EF}_{\text{RunExhaust}} \text{ (g/VMT)} * \text{Distance (VMT/trip)} * \text{Number of Trips (trips/day)} / \text{seconds per day}$$

Where:

Emissions_{SpeedA} (g/s): Vehicle emissions at a given speed A;

EF_{RunExhaust} (g/VMT): EMFAC running exhaust PM₁₀ emission factor at speed A;

Distance (VMT/trip): Total distance traveled per trip.

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM₁₀ emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM₁₀ emission factor (g/idle-hr) from EMFAC and the total truck trip over the total idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (5):

$$\text{Emissions}_{\text{Idle}} \text{ (g/s)} = \text{EF}_{\text{Idle}} \text{ (g/hr)} * \text{Number of Trips (trips/day)} * \text{Idling Time (min/trip)} *$$

60 minutes per hour / seconds per day

Where:

Emissions_{idle} (g/s): Vehicle emissions during idling;

E_{idle}(g/s): EMFAC idle exhaust PM₁₀ emission factor.

TABLE 2-1: 2020 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.09378 (g/idle-hr)
5	0.04343 (g/s)
25	0.02435 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix “2.1”. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-2. The modeled emission sources are illustrated on Exhibit 2-A. The modeling domain is limited to the Project’s primary truck route and includes off-site sources in the study area for approximately 0.19 mile to over 2 miles. This modeling domain is consistent with and more conservative than using only a ¼ mile modeling domain which is supported by substantial evidence since several studies have shown that the greatest potential risks occur within a ¼ mile of the primary source of emissions (in the case of the Project this is the on-site idling, and on-site travel).

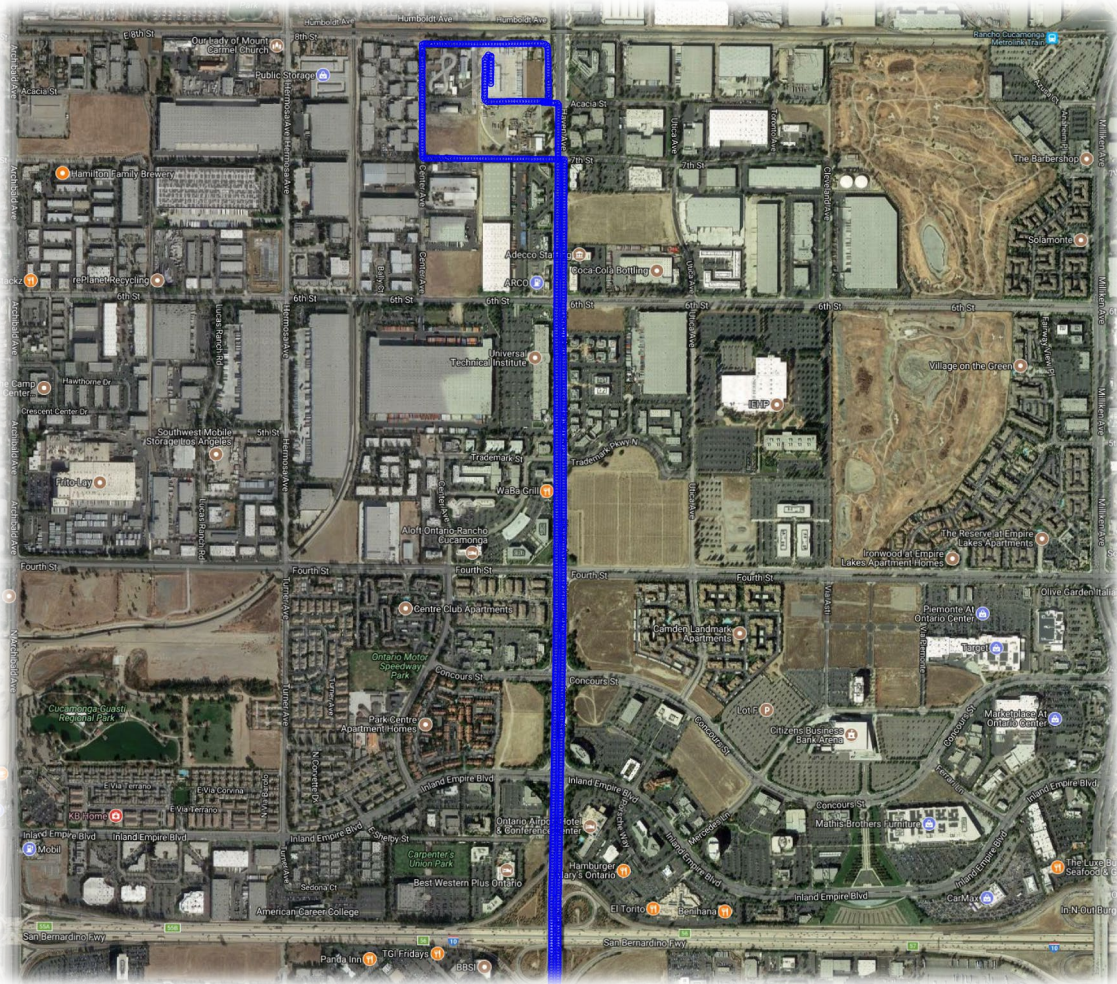
On-site truck idling was estimated to occur as trucks enter and travel through the facility. Although the Project is required to comply with CARB’s idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (6), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis estimated truck idling at 15 minutes, consistent with SCAQMD’s recommendation.

Per the *8978 Haven Ave. Warehouse Trip Generation Evaluation*, the Project is expected to generate a net total of approximately 210 trip-ends per day (actual vehicles) (3). The Project trip generation includes 42 truck trip-ends per day from the proposed Project site including 16.7% 2-axle trucks, 20.7% 3-axle trucks, and 62.6% 4+-axle trucks.

TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS

Truck Emission Rates						
Source	Trucks Per Day	VMT ^a	Truck Emission Rate ^b	Truck Emission Rate ^b	Daily Truck Emissions ^c	Modeled Emission Rates
		(miles/day)	(grams/mile)	(grams/idle-hour)	(grams/day)	(g/second)
On-Site Idling	21			0.0938	0.49	5.698E-06
On-Site Travel	42	8.27	0.0434		0.36	4.155E-06
Off-Site Travel 100% Inbound from I-10	21	49.60	0.0243		1.21	1.398E-05
Off-Site Travel 100% Outbound to I-10	21	35.19	0.0243		0.86	9.918E-06
^a	Vehicle miles traveled are for modeled truck route only.					
^b	Emission rates determined using EMFAC 2014. 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.					

EXHIBIT 2-A: MODELED EMISSION SOURCES



2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the model was used to calculate annual average particulate concentrations associated with site operations.

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA's haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in AERMOD View has been utilized to determine the release height parameters. Based on the US EPA methodology, the Project's modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

SCAQMD required model parameters are presented in Table 2-3 (7). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Ontario Airport (SRA 33) was used to represent local weather conditions and prevailing winds (8).

TABLE 2-3: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the project boundaries, each volume source location, and receptor locations in the project vicinity. The AERMOD dispersion model summary output files for the proposed facility are presented in Appendix "2.1".

Modeled sensitive receptors were placed at residential and non-residential locations. Based on recommendations from SCAMD staff, a receptor grids with a maximum of 100 meters spacing were placed at residential, worker, and school locations to ensure that the maximum impacts are properly analyzed.

Receptors may be placed at applicable structure locations for residential and worker property and not the necessarily the boundaries of these uses. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residential and worker over a period of 30 or 25 years of exposure respectively. As such, even though it is unlikely to occur in practical terms (because the amount of time spent indoors), this study assumes that a resident or worker would be exposed over a long-period of time for 12 or 24-hours per day at the structure they reside or work.

Furthermore, worker receptors immediately adjacent to the Project site have been evaluated in the HRA. Any impacts to workers located at schools, or non-school workers located further away from the Project site than the modeled worker receptors would have a lesser impact than what has already been disclosed in the HRA at the MEIW.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-4, 2-5, and 2-6 summarize the Exposure Parameters for Residents, School, and Offsite Worker scenarios based on 2015 OEHHA Guidelines. Appendix 2.2 includes the detailed risk calculation.

TABLE 2-4: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	273	10	0.25	0.85	350	24
0 to 2	758	10	2	0.85	350	24
2 to 16	572	3	14	0.72	350	24
16 to 30	261	1	14	0.73	350	24

TABLE 2-5: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year)	Exposure Time (hours/day)
16 to 41	271	1	25	250	12

TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD)

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Exposure Frequency (days/year) ^a	Exposure Time (hours/day)
4 to 13	572	3	9	180	12

^a To represent the unique characteristics of the school-based population, the assessment employed the U.S. Environmental Protection Agency's guidance to develop viable dose estimates based on reasonable maximum exposures (RME). RME's are defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. As a result, lifetime risk values for the student population were adjusted to account for an exposure duration of 180 days per year for nine (9) years. The 9 year exposure duration is also consistent with OEHHA Recommendations and consistent with the exposure duration utilized in school-based risk assessments for various schools within the Los Angeles County Unified School District (LAUSD) that have been accepted by the SCAQMD.

2.4 CARCINOGENIC CHEMICAL RISK

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

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time. As an example, the risk of dying from accidental drowning is 1,000 in a million which is 100 times more than the SCAQMD's threshold of 10 in one million, the nearest comparison to 10 in one million is the 7 in one million lifetime chance that an individual would be struck by lightning.

Guidance from CARB and the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)⁻¹ to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

$$\text{DOSE}_{\text{air}} = (\text{C}_{\text{air}} \times [\text{BR}/\text{BW}] \times A \times \text{EF}) \times (1 \times 10^{-6})$$

Where:

DOSE _{air}	=	chronic daily intake (mg/kg/day)
C _{air}	=	concentration of contaminant in air (ug/m ³)
[BR/BW] BW-day)	=	daily breathing rate normalized to body weight (L/kg)
A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BW	=	body weight (kg)
1 x 10 ⁻⁶	=	conversion factors (ug to mg, L to m ³)
RISK _{air} = DOSE _{air} x CPF x ED/AT		

Where:

DOSE _{air}	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor
ED	=	number of years within particular age group
AT	=	averaging time

2.5 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 µg/m³ (OEHHA Toxicity Criteria Database, <http://www.oehha.org/risk/chemicaldb/index.asp>).

The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

The relationship for the non-cancer health effects of DPM is given by the following equation:

$$\text{HI}_{\text{DPM}} = \text{C}_{\text{DPM}}/\text{REL}_{\text{DPM}}$$

Where:

HI _{DPM}	=	Hazard Index; an expression of the potential for non-cancer health effects.
C _{DPM}	=	Annual average DPM concentration (µg/m ³).

REL_{DPM} = Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

For purposes of this analysis the hazard index for the respiratory endpoint totaled less than one for all receptors in the project vicinity, and thus is less than significant.

2.6 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS²

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 60 feet east of the Project site on 8th Street. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 0.48 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 0.0002, 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 residences. The nearest modeled receptors are illustrated on Exhibit 2-B.

Worker Exposure Scenario:

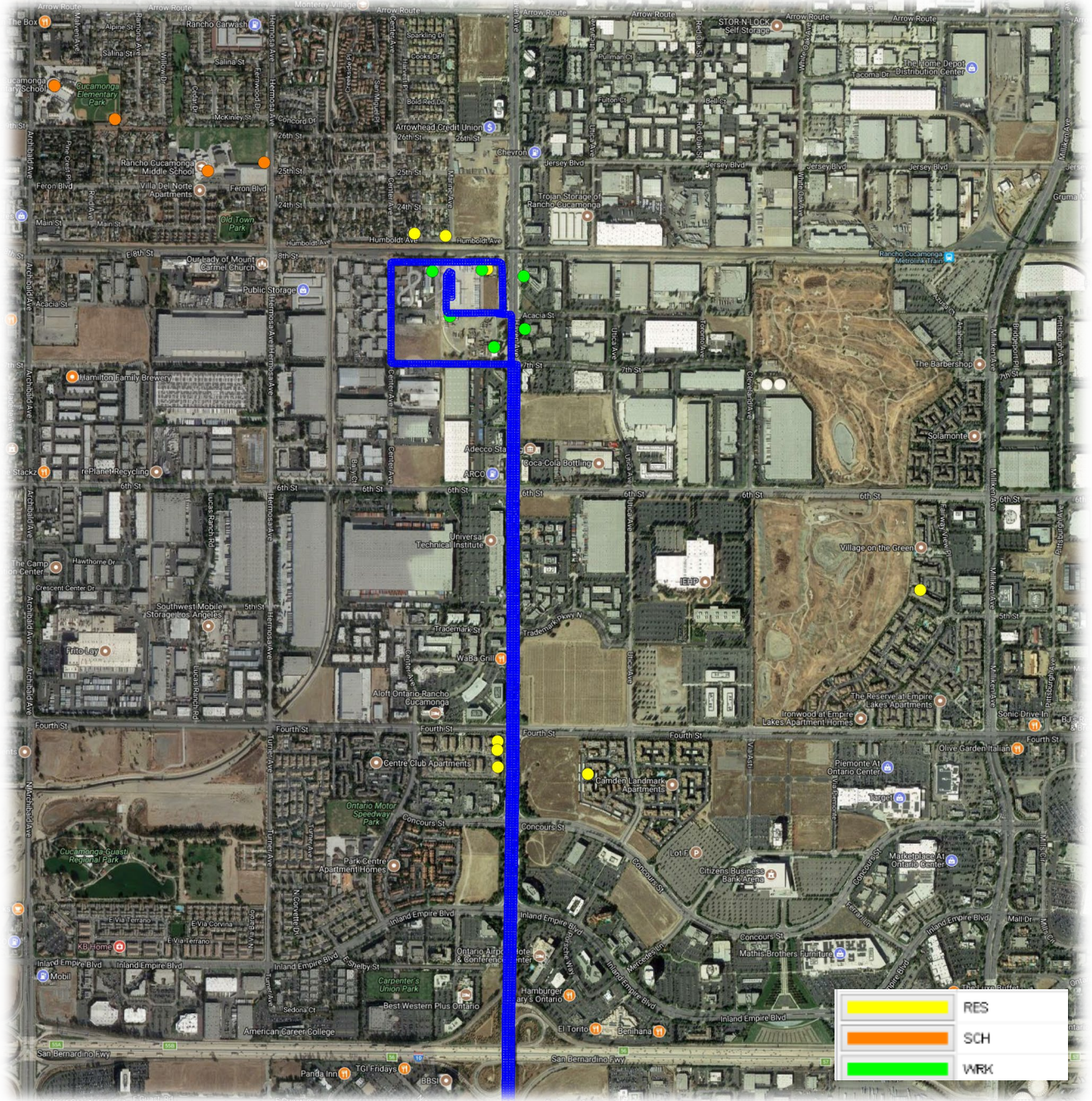
The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located immediately adjacent 30 feet south of the Project site an existing industrial use. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.10 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.0003, 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 workers. The nearest modeled receptors are illustrated on Exhibit 2-B.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is located at the Rancho Cucamonga Middle School approximately ½ mile (2,640 feet) east of the Project site north of Feron Blvd. and west of Hermosa Ave. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact at this location is 0.02 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 0.0004, which would not exceed the applicable threshold of 1.0. Any other schools near the Project would be exposed to less emissions and consequently less impacts than what is disclosed for the MEISC. As such, the Project will not cause a significant human health or cancer risk to adjacent school children. The nearest modeled receptors are illustrated on Exhibit 2-B.

² SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA (Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

EXHIBIT 2-B: MODELED RECEPTORS



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3 REFERENCES

1. **South Coast Air Quality Management District.** Mobile Source Toxics Analysis. [Online] 2003. http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
2. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf>.
3. **Urban Crossroads, Inc.** *8978 Haven Ave. Warehouse Trip Generation Evaluation.* Costa Mesa : s.n., 2018.
4. **South Coast Air Quality Management District.** RULE 403. Fugitive Dust. [Online] <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf>.
5. **California Department of Transportation.** EMFAC Software. [Online] <http://www.dot.ca.gov/hq/env/air/pages/emfac.htm>.
6. **Koizumi, James.** *Planning, Rule Development & Area Sources.* May 6, 2009.
7. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model - AERMOD. [Online] September 2004. <http://www.epa.gov/scram001/7thconf/aermod/aermodugb.pdf>.
8. **South Coast Air Quality Management District.** *Air Quality Reporting.* [pdf] Diamond Bar : Sierra Wade Associates, 1999.

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4 CERTIFICATION

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed 8978 Haven Ave. Warehouse Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

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EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May, 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June, 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June, 2013
Planned Communities and Urban Infill – Urban Land Institute • June, 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007
AB2588 Regulatory Standards – Trinity Consultants • November, 2006
Air Dispersion Modeling – Lakes Environmental • June, 2006

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APPENDIX 2.1:
AERMOD MODEL INPUT/OUTPUT

**AVERAGE EMISSION FACTOR
SCAQMD 2020**

Speed	LHD1	MHD	HHD
0	0.33638	0.114169	0.02232
5	0.043455	0.049996	0.04126
25	0.01480	0.034737	0.02346

Speed	Weighted Average Emissions
0	0.09378
5	0.04343
25	0.02435

Emission Rates - 2020 Emission Factors

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	21			0.0938	0.49	5.698E-06
On-Site Travel	42	8.27	0.0434		0.36	4.155E-06
Off-Site Travel 100% Inbound from I-10	21	49.60	0.0243		1.21	1.398E-05
Off-Site Travel 100% Outbound to I-10	21	35.19	0.0243		0.86	9.918E-06

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**

** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.5
** Lakes Environmental Software Inc.
** Date: 2/6/2019
** File: C:\Lakes\AERMOD View\11586 8th and Haven\11586 8th and Haven.ADI

**

**

**

** AERMOD Control Pathway

**

**

CO STARTING
TITLEONE C:\Lakes\AERMOD View\11586 8th and Haven\11586 8th and Haven.isc
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2035210
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "11586 8th and Haven.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 On-Site Idling
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 5.698E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 446674.242, 3772424.642, 338.30, 3.49, 4.00
** 446673.620, 3772340.274, 336.48, 3.49, 4.00

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```

** -----
LOCATION L0008906      VOLUME  446674.210 3772420.347 338.21
LOCATION L0008907      VOLUME  446674.147 3772411.758 338.03
LOCATION L0008908      VOLUME  446674.084 3772403.168 337.86
LOCATION L0008909      VOLUME  446674.020 3772394.578 337.68
LOCATION L0008910      VOLUME  446673.957 3772385.988 337.51
LOCATION L0008911      VOLUME  446673.894 3772377.399 337.33
LOCATION L0008912      VOLUME  446673.831 3772368.809 337.16
LOCATION L0008913      VOLUME  446673.767 3772360.219 336.98
LOCATION L0008914      VOLUME  446673.704 3772351.629 336.81
LOCATION L0008915      VOLUME  446673.641 3772343.040 336.63

```

** End of LINE VOLUME Source ID = SLINE1

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** -----

```

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC On-Site Travel

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 4.155E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 5

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** 446829.778, 3772290.048, 335.80, 3.49, 4.00
** 446658.755, 3772289.634, 335.26, 3.49, 4.00
** 446654.892, 3772302.440, 335.85, 3.49, 4.00
** 446656.342, 3772415.767, 338.17, 3.49, 4.00
** 446668.257, 3772430.462, 338.29, 3.49, 4.00

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LOCATION L0008926      VOLUME  446825.483 3772290.038 335.84
LOCATION L0008927      VOLUME  446816.894 3772290.017 335.80
LOCATION L0008928      VOLUME  446808.304 3772289.996 335.76
LOCATION L0008929      VOLUME  446799.714 3772289.975 335.72
LOCATION L0008930      VOLUME  446791.124 3772289.954 335.72
LOCATION L0008931      VOLUME  446782.534 3772289.934 335.72
LOCATION L0008932      VOLUME  446773.944 3772289.913 335.72
LOCATION L0008933      VOLUME  446765.354 3772289.892 335.70
LOCATION L0008934      VOLUME  446756.764 3772289.871 335.65
LOCATION L0008935      VOLUME  446748.174 3772289.850 335.60
LOCATION L0008936      VOLUME  446739.584 3772289.829 335.55
LOCATION L0008937      VOLUME  446730.994 3772289.809 335.55
LOCATION L0008938      VOLUME  446722.404 3772289.788 335.55
LOCATION L0008939      VOLUME  446713.814 3772289.767 335.55
LOCATION L0008940      VOLUME  446705.224 3772289.746 335.55
LOCATION L0008941      VOLUME  446696.634 3772289.725 335.55
LOCATION L0008942      VOLUME  446688.044 3772289.705 335.55
LOCATION L0008943      VOLUME  446679.454 3772289.684 335.55
LOCATION L0008944      VOLUME  446670.864 3772289.663 335.55

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LOCATION L0008945	VOLUME	446662.274	3772289.642	335.55
LOCATION L0008946	VOLUME	446657.290	3772294.488	335.65
LOCATION L0008947	VOLUME	446654.896	3772302.724	335.82
LOCATION L0008948	VOLUME	446655.006	3772311.314	335.99
LOCATION L0008949	VOLUME	446655.116	3772319.903	336.16
LOCATION L0008950	VOLUME	446655.225	3772328.492	336.34
LOCATION L0008951	VOLUME	446655.335	3772337.081	336.51
LOCATION L0008952	VOLUME	446655.445	3772345.671	336.69
LOCATION L0008953	VOLUME	446655.555	3772354.260	336.86
LOCATION L0008954	VOLUME	446655.665	3772362.849	337.04
LOCATION L0008955	VOLUME	446655.775	3772371.439	337.21
LOCATION L0008956	VOLUME	446655.885	3772380.028	337.39
LOCATION L0008957	VOLUME	446655.995	3772388.617	337.56
LOCATION L0008958	VOLUME	446656.105	3772397.207	337.74
LOCATION L0008959	VOLUME	446656.215	3772405.796	337.91
LOCATION L0008960	VOLUME	446656.325	3772414.385	338.08
LOCATION L0008961	VOLUME	446660.882	3772421.366	338.23
LOCATION L0008962	VOLUME	446666.292	3772428.038	338.36

** End of LINE VOLUME Source ID = SLINE2

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC 100% Inbound

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.00001398

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 19

** 446874.261, 3769637.558, 300.99, 3.49, 4.00

** 446875.247, 3769772.210, 302.03, 3.49, 4.00

** 446874.754, 3769895.024, 302.56, 3.49, 4.00

** 446877.713, 3769999.589, 301.79, 3.49, 4.00

** 446890.135, 3770762.716, 312.17, 3.49, 4.00

** 446890.859, 3771415.636, 321.24, 3.49, 4.00

** 446890.027, 3771636.096, 325.07, 3.49, 4.00

** 446893.532, 3772116.736, 332.98, 3.49, 4.00

** 446611.141, 3772118.951, 333.09, 3.49, 4.00

** 446473.821, 3772119.689, 333.09, 3.49, 4.00

** 446469.392, 3772119.689, 333.10, 3.49, 4.00

** 446468.903, 3772462.051, 338.62, 3.49, 4.00

** 446645.002, 3772461.344, 338.92, 3.49, 4.00

** 446824.638, 3772462.758, 338.61, 3.49, 4.00

** 446840.197, 3772459.222, 338.59, 3.49, 4.00

** 446843.733, 3772446.492, 338.49, 3.49, 4.00

** 446845.147, 3772394.157, 337.52, 3.49, 4.00

** 446845.854, 3772287.366, 335.54, 3.49, 4.00

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** 446834.539, 3772287.366, 335.55, 3.49, 4.00

**

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LOCATION L0008963      VOLUME  446874.292 3769641.853 301.33
LOCATION L0008964      VOLUME  446874.355 3769650.443 301.37
LOCATION L0008965      VOLUME  446874.418 3769659.032 301.41
LOCATION L0008966      VOLUME  446874.481 3769667.622 301.41
LOCATION L0008967      VOLUME  446874.544 3769676.212 301.19
LOCATION L0008968      VOLUME  446874.607 3769684.802 300.97
LOCATION L0008969      VOLUME  446874.670 3769693.392 300.75
LOCATION L0008970      VOLUME  446874.733 3769701.981 300.83
LOCATION L0008971      VOLUME  446874.796 3769710.571 301.08
LOCATION L0008972      VOLUME  446874.859 3769719.161 301.31
LOCATION L0008973      VOLUME  446874.921 3769727.751 301.54
LOCATION L0008974      VOLUME  446874.984 3769736.340 301.70
LOCATION L0008975      VOLUME  446875.047 3769744.930 301.87
LOCATION L0008976      VOLUME  446875.110 3769753.520 302.04
LOCATION L0008977      VOLUME  446875.173 3769762.110 301.86
LOCATION L0008978      VOLUME  446875.236 3769770.699 301.51
LOCATION L0008979      VOLUME  446875.219 3769779.289 301.18
LOCATION L0008980      VOLUME  446875.184 3769787.879 301.02
LOCATION L0008981      VOLUME  446875.150 3769796.469 301.73
LOCATION L0008982      VOLUME  446875.115 3769805.059 302.44
LOCATION L0008983      VOLUME  446875.081 3769813.649 303.15
LOCATION L0008984      VOLUME  446875.046 3769822.239 303.53
LOCATION L0008985      VOLUME  446875.012 3769830.829 303.76
LOCATION L0008986      VOLUME  446874.977 3769839.419 303.99
LOCATION L0008987      VOLUME  446874.943 3769848.009 304.15
LOCATION L0008988      VOLUME  446874.908 3769856.599 304.07
LOCATION L0008989      VOLUME  446874.874 3769865.189 303.98
LOCATION L0008990      VOLUME  446874.839 3769873.779 303.90
LOCATION L0008991      VOLUME  446874.805 3769882.369 303.48
LOCATION L0008992      VOLUME  446874.770 3769890.958 302.92
LOCATION L0008993      VOLUME  446874.882 3769899.547 302.35
LOCATION L0008994      VOLUME  446875.125 3769908.133 301.90
LOCATION L0008995      VOLUME  446875.368 3769916.720 301.86
LOCATION L0008996      VOLUME  446875.611 3769925.306 301.81
LOCATION L0008997      VOLUME  446875.854 3769933.893 301.77
LOCATION L0008998      VOLUME  446876.097 3769942.479 301.78
LOCATION L0008999      VOLUME  446876.340 3769951.066 301.82
LOCATION L0009000      VOLUME  446876.583 3769959.653 301.85
LOCATION L0009001      VOLUME  446876.826 3769968.239 301.87
LOCATION L0009002      VOLUME  446877.069 3769976.826 301.83
LOCATION L0009003      VOLUME  446877.312 3769985.412 301.80
LOCATION L0009004      VOLUME  446877.555 3769993.999 301.76
LOCATION L0009005      VOLUME  446877.762 3770002.586 301.88
LOCATION L0009006      VOLUME  446877.902 3770011.175 302.05
LOCATION L0009007      VOLUME  446878.042 3770019.764 302.23
LOCATION L0009008      VOLUME  446878.181 3770028.353 302.40

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LOCATION L0009009	VOLUME	446878.321	3770036.942	302.58
LOCATION L0009010	VOLUME	446878.461	3770045.530	302.75
LOCATION L0009011	VOLUME	446878.601	3770054.119	302.93
LOCATION L0009012	VOLUME	446878.741	3770062.708	303.06
LOCATION L0009013	VOLUME	446878.880	3770071.297	303.18
LOCATION L0009014	VOLUME	446879.020	3770079.886	303.29
LOCATION L0009015	VOLUME	446879.160	3770088.475	303.42
LOCATION L0009016	VOLUME	446879.300	3770097.064	303.60
LOCATION L0009017	VOLUME	446879.440	3770105.652	303.77
LOCATION L0009018	VOLUME	446879.579	3770114.241	303.94
LOCATION L0009019	VOLUME	446879.719	3770122.830	304.09
LOCATION L0009020	VOLUME	446879.859	3770131.419	304.24
LOCATION L0009021	VOLUME	446879.999	3770140.008	304.39
LOCATION L0009022	VOLUME	446880.139	3770148.597	304.52
LOCATION L0009023	VOLUME	446880.278	3770157.186	304.61
LOCATION L0009024	VOLUME	446880.418	3770165.775	304.69
LOCATION L0009025	VOLUME	446880.558	3770174.363	304.78
LOCATION L0009026	VOLUME	446880.698	3770182.952	304.89
LOCATION L0009027	VOLUME	446880.838	3770191.541	305.00
LOCATION L0009028	VOLUME	446880.977	3770200.130	305.11
LOCATION L0009029	VOLUME	446881.117	3770208.719	305.21
LOCATION L0009030	VOLUME	446881.257	3770217.308	305.27
LOCATION L0009031	VOLUME	446881.397	3770225.897	305.33
LOCATION L0009032	VOLUME	446881.537	3770234.485	305.40
LOCATION L0009033	VOLUME	446881.676	3770243.074	305.48
LOCATION L0009034	VOLUME	446881.816	3770251.663	305.57
LOCATION L0009035	VOLUME	446881.956	3770260.252	305.65
LOCATION L0009036	VOLUME	446882.096	3770268.841	305.74
LOCATION L0009037	VOLUME	446882.236	3770277.430	305.83
LOCATION L0009038	VOLUME	446882.375	3770286.019	305.91
LOCATION L0009039	VOLUME	446882.515	3770294.607	306.00
LOCATION L0009040	VOLUME	446882.655	3770303.196	306.09
LOCATION L0009041	VOLUME	446882.795	3770311.785	306.18
LOCATION L0009042	VOLUME	446882.935	3770320.374	306.26
LOCATION L0009043	VOLUME	446883.074	3770328.963	306.35
LOCATION L0009044	VOLUME	446883.214	3770337.552	306.44
LOCATION L0009045	VOLUME	446883.354	3770346.141	306.53
LOCATION L0009046	VOLUME	446883.494	3770354.730	306.61
LOCATION L0009047	VOLUME	446883.634	3770363.318	306.71
LOCATION L0009048	VOLUME	446883.773	3770371.907	306.82
LOCATION L0009049	VOLUME	446883.913	3770380.496	306.92
LOCATION L0009050	VOLUME	446884.053	3770389.085	307.02
LOCATION L0009051	VOLUME	446884.193	3770397.674	307.10
LOCATION L0009052	VOLUME	446884.333	3770406.263	307.19
LOCATION L0009053	VOLUME	446884.472	3770414.852	307.27
LOCATION L0009054	VOLUME	446884.612	3770423.440	307.42
LOCATION L0009055	VOLUME	446884.752	3770432.029	307.58
LOCATION L0009056	VOLUME	446884.892	3770440.618	307.74

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LOCATION L0009057	VOLUME	446885.032	3770449.207	307.88
LOCATION L0009058	VOLUME	446885.171	3770457.796	307.98
LOCATION L0009059	VOLUME	446885.311	3770466.385	308.08
LOCATION L0009060	VOLUME	446885.451	3770474.974	308.18
LOCATION L0009061	VOLUME	446885.591	3770483.562	308.27
LOCATION L0009062	VOLUME	446885.731	3770492.151	308.35
LOCATION L0009063	VOLUME	446885.870	3770500.740	308.44
LOCATION L0009064	VOLUME	446886.010	3770509.329	308.55
LOCATION L0009065	VOLUME	446886.150	3770517.918	308.71
LOCATION L0009066	VOLUME	446886.290	3770526.507	308.88
LOCATION L0009067	VOLUME	446886.430	3770535.096	309.04
LOCATION L0009068	VOLUME	446886.569	3770543.684	309.15
LOCATION L0009069	VOLUME	446886.709	3770552.273	309.24
LOCATION L0009070	VOLUME	446886.849	3770560.862	309.34
LOCATION L0009071	VOLUME	446886.989	3770569.451	309.46
LOCATION L0009072	VOLUME	446887.129	3770578.040	309.62
LOCATION L0009073	VOLUME	446887.268	3770586.629	309.79
LOCATION L0009074	VOLUME	446887.408	3770595.218	309.96
LOCATION L0009075	VOLUME	446887.548	3770603.807	310.06
LOCATION L0009076	VOLUME	446887.688	3770612.395	310.14
LOCATION L0009077	VOLUME	446887.828	3770620.984	310.23
LOCATION L0009078	VOLUME	446887.967	3770629.573	310.32
LOCATION L0009079	VOLUME	446888.107	3770638.162	310.41
LOCATION L0009080	VOLUME	446888.247	3770646.751	310.49
LOCATION L0009081	VOLUME	446888.387	3770655.340	310.58
LOCATION L0009082	VOLUME	446888.527	3770663.929	310.67
LOCATION L0009083	VOLUME	446888.666	3770672.517	310.76
LOCATION L0009084	VOLUME	446888.806	3770681.106	310.85
LOCATION L0009085	VOLUME	446888.946	3770689.695	310.97
LOCATION L0009086	VOLUME	446889.086	3770698.284	311.14
LOCATION L0009087	VOLUME	446889.226	3770706.873	311.31
LOCATION L0009088	VOLUME	446889.365	3770715.462	311.49
LOCATION L0009089	VOLUME	446889.505	3770724.051	311.58
LOCATION L0009090	VOLUME	446889.645	3770732.639	311.67
LOCATION L0009091	VOLUME	446889.785	3770741.228	311.76
LOCATION L0009092	VOLUME	446889.925	3770749.817	311.88
LOCATION L0009093	VOLUME	446890.064	3770758.406	312.06
LOCATION L0009094	VOLUME	446890.139	3770766.995	312.23
LOCATION L0009095	VOLUME	446890.149	3770775.585	312.40
LOCATION L0009096	VOLUME	446890.158	3770784.175	312.50
LOCATION L0009097	VOLUME	446890.168	3770792.765	312.59
LOCATION L0009098	VOLUME	446890.177	3770801.355	312.67
LOCATION L0009099	VOLUME	446890.187	3770809.945	312.76
LOCATION L0009100	VOLUME	446890.196	3770818.535	312.85
LOCATION L0009101	VOLUME	446890.206	3770827.125	312.94
LOCATION L0009102	VOLUME	446890.216	3770835.715	313.02
LOCATION L0009103	VOLUME	446890.225	3770844.305	313.11
LOCATION L0009104	VOLUME	446890.235	3770852.895	313.20

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LOCATION L0009105	VOLUME	446890.244	3770861.485	313.28
LOCATION L0009106	VOLUME	446890.254	3770870.075	313.37
LOCATION L0009107	VOLUME	446890.263	3770878.665	313.46
LOCATION L0009108	VOLUME	446890.273	3770887.255	313.55
LOCATION L0009109	VOLUME	446890.282	3770895.845	313.63
LOCATION L0009110	VOLUME	446890.292	3770904.435	313.72
LOCATION L0009111	VOLUME	446890.301	3770913.025	313.81
LOCATION L0009112	VOLUME	446890.311	3770921.615	313.90
LOCATION L0009113	VOLUME	446890.320	3770930.205	313.98
LOCATION L0009114	VOLUME	446890.330	3770938.795	314.07
LOCATION L0009115	VOLUME	446890.339	3770947.385	314.16
LOCATION L0009116	VOLUME	446890.349	3770955.975	314.24
LOCATION L0009117	VOLUME	446890.358	3770964.565	314.42
LOCATION L0009118	VOLUME	446890.368	3770973.155	314.59
LOCATION L0009119	VOLUME	446890.377	3770981.745	314.76
LOCATION L0009120	VOLUME	446890.387	3770990.335	314.90
LOCATION L0009121	VOLUME	446890.397	3770998.925	314.99
LOCATION L0009122	VOLUME	446890.406	3771007.515	315.07
LOCATION L0009123	VOLUME	446890.416	3771016.105	315.16
LOCATION L0009124	VOLUME	446890.425	3771024.695	315.33
LOCATION L0009125	VOLUME	446890.435	3771033.285	315.51
LOCATION L0009126	VOLUME	446890.444	3771041.875	315.68
LOCATION L0009127	VOLUME	446890.454	3771050.465	315.86
LOCATION L0009128	VOLUME	446890.463	3771059.055	316.03
LOCATION L0009129	VOLUME	446890.473	3771067.645	316.21
LOCATION L0009130	VOLUME	446890.482	3771076.235	316.38
LOCATION L0009131	VOLUME	446890.492	3771084.825	316.47
LOCATION L0009132	VOLUME	446890.501	3771093.415	316.56
LOCATION L0009133	VOLUME	446890.511	3771102.005	316.64
LOCATION L0009134	VOLUME	446890.520	3771110.595	316.73
LOCATION L0009135	VOLUME	446890.530	3771119.185	316.82
LOCATION L0009136	VOLUME	446890.539	3771127.775	316.90
LOCATION L0009137	VOLUME	446890.549	3771136.365	316.99
LOCATION L0009138	VOLUME	446890.558	3771144.955	317.16
LOCATION L0009139	VOLUME	446890.568	3771153.545	317.33
LOCATION L0009140	VOLUME	446890.578	3771162.135	317.51
LOCATION L0009141	VOLUME	446890.587	3771170.725	317.64
LOCATION L0009142	VOLUME	446890.597	3771179.315	317.73
LOCATION L0009143	VOLUME	446890.606	3771187.905	317.82
LOCATION L0009144	VOLUME	446890.616	3771196.495	317.91
LOCATION L0009145	VOLUME	446890.625	3771205.085	318.08
LOCATION L0009146	VOLUME	446890.635	3771213.675	318.25
LOCATION L0009147	VOLUME	446890.644	3771222.265	318.42
LOCATION L0009148	VOLUME	446890.654	3771230.855	318.55
LOCATION L0009149	VOLUME	446890.663	3771239.445	318.64
LOCATION L0009150	VOLUME	446890.673	3771248.035	318.73
LOCATION L0009151	VOLUME	446890.682	3771256.625	318.83
LOCATION L0009152	VOLUME	446890.692	3771265.215	319.00

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LOCATION L0009153	VOLUME	446890.701	3771273.805	319.18
LOCATION L0009154	VOLUME	446890.711	3771282.395	319.35
LOCATION L0009155	VOLUME	446890.720	3771290.985	319.52
LOCATION L0009156	VOLUME	446890.730	3771299.575	319.69
LOCATION L0009157	VOLUME	446890.739	3771308.165	319.86
LOCATION L0009158	VOLUME	446890.749	3771316.755	320.03
LOCATION L0009159	VOLUME	446890.759	3771325.345	320.12
LOCATION L0009160	VOLUME	446890.768	3771333.935	320.21
LOCATION L0009161	VOLUME	446890.778	3771342.525	320.29
LOCATION L0009162	VOLUME	446890.787	3771351.115	320.38
LOCATION L0009163	VOLUME	446890.797	3771359.705	320.47
LOCATION L0009164	VOLUME	446890.806	3771368.295	320.56
LOCATION L0009165	VOLUME	446890.816	3771376.885	320.66
LOCATION L0009166	VOLUME	446890.825	3771385.475	320.83
LOCATION L0009167	VOLUME	446890.835	3771394.065	321.01
LOCATION L0009168	VOLUME	446890.844	3771402.655	321.18
LOCATION L0009169	VOLUME	446890.854	3771411.245	321.36
LOCATION L0009170	VOLUME	446890.843	3771419.835	321.53
LOCATION L0009171	VOLUME	446890.810	3771428.425	321.71
LOCATION L0009172	VOLUME	446890.778	3771437.015	321.88
LOCATION L0009173	VOLUME	446890.746	3771445.605	322.06
LOCATION L0009174	VOLUME	446890.713	3771454.195	322.23
LOCATION L0009175	VOLUME	446890.681	3771462.785	322.41
LOCATION L0009176	VOLUME	446890.648	3771471.375	322.58
LOCATION L0009177	VOLUME	446890.616	3771479.965	322.75
LOCATION L0009178	VOLUME	446890.583	3771488.555	322.93
LOCATION L0009179	VOLUME	446890.551	3771497.144	323.10
LOCATION L0009180	VOLUME	446890.519	3771505.734	323.18
LOCATION L0009181	VOLUME	446890.486	3771514.324	323.27
LOCATION L0009182	VOLUME	446890.454	3771522.914	323.36
LOCATION L0009183	VOLUME	446890.421	3771531.504	323.45
LOCATION L0009184	VOLUME	446890.389	3771540.094	323.53
LOCATION L0009185	VOLUME	446890.357	3771548.684	323.62
LOCATION L0009186	VOLUME	446890.324	3771557.274	323.72
LOCATION L0009187	VOLUME	446890.292	3771565.864	323.89
LOCATION L0009188	VOLUME	446890.259	3771574.454	324.07
LOCATION L0009189	VOLUME	446890.227	3771583.044	324.24
LOCATION L0009190	VOLUME	446890.195	3771591.634	324.36
LOCATION L0009191	VOLUME	446890.162	3771600.224	324.45
LOCATION L0009192	VOLUME	446890.130	3771608.814	324.54
LOCATION L0009193	VOLUME	446890.097	3771617.404	324.63
LOCATION L0009194	VOLUME	446890.065	3771625.994	324.81
LOCATION L0009195	VOLUME	446890.032	3771634.583	324.98
LOCATION L0009196	VOLUME	446890.078	3771643.173	325.16
LOCATION L0009197	VOLUME	446890.141	3771651.763	325.28
LOCATION L0009198	VOLUME	446890.204	3771660.353	325.36
LOCATION L0009199	VOLUME	446890.266	3771668.943	325.45
LOCATION L0009200	VOLUME	446890.329	3771677.532	325.55

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LOCATION L0009201	VOLUME	446890.392	3771686.122	325.72
LOCATION L0009202	VOLUME	446890.454	3771694.712	325.90
LOCATION L0009203	VOLUME	446890.517	3771703.302	326.07
LOCATION L0009204	VOLUME	446890.580	3771711.891	326.19
LOCATION L0009205	VOLUME	446890.642	3771720.481	326.28
LOCATION L0009206	VOLUME	446890.705	3771729.071	326.37
LOCATION L0009207	VOLUME	446890.767	3771737.661	326.47
LOCATION L0009208	VOLUME	446890.830	3771746.251	326.64
LOCATION L0009209	VOLUME	446890.893	3771754.840	326.82
LOCATION L0009210	VOLUME	446890.955	3771763.430	326.99
LOCATION L0009211	VOLUME	446891.018	3771772.020	327.17
LOCATION L0009212	VOLUME	446891.081	3771780.610	327.34
LOCATION L0009213	VOLUME	446891.143	3771789.199	327.51
LOCATION L0009214	VOLUME	446891.206	3771797.789	327.69
LOCATION L0009215	VOLUME	446891.269	3771806.379	327.86
LOCATION L0009216	VOLUME	446891.331	3771814.969	328.03
LOCATION L0009217	VOLUME	446891.394	3771823.559	328.19
LOCATION L0009218	VOLUME	446891.457	3771832.148	328.31
LOCATION L0009219	VOLUME	446891.519	3771840.738	328.40
LOCATION L0009220	VOLUME	446891.582	3771849.328	328.50
LOCATION L0009221	VOLUME	446891.645	3771857.918	328.61
LOCATION L0009222	VOLUME	446891.707	3771866.507	328.78
LOCATION L0009223	VOLUME	446891.770	3771875.097	328.96
LOCATION L0009224	VOLUME	446891.832	3771883.687	329.13
LOCATION L0009225	VOLUME	446891.895	3771892.277	329.30
LOCATION L0009226	VOLUME	446891.958	3771900.866	329.48
LOCATION L0009227	VOLUME	446892.020	3771909.456	329.65
LOCATION L0009228	VOLUME	446892.083	3771918.046	329.83
LOCATION L0009229	VOLUME	446892.146	3771926.636	329.99
LOCATION L0009230	VOLUME	446892.208	3771935.226	330.16
LOCATION L0009231	VOLUME	446892.271	3771943.815	330.33
LOCATION L0009232	VOLUME	446892.334	3771952.405	330.50
LOCATION L0009233	VOLUME	446892.396	3771960.995	330.67
LOCATION L0009234	VOLUME	446892.459	3771969.585	330.84
LOCATION L0009235	VOLUME	446892.522	3771978.174	331.00
LOCATION L0009236	VOLUME	446892.584	3771986.764	331.09
LOCATION L0009237	VOLUME	446892.647	3771995.354	331.17
LOCATION L0009238	VOLUME	446892.709	3772003.944	331.26
LOCATION L0009239	VOLUME	446892.772	3772012.533	331.35
LOCATION L0009240	VOLUME	446892.835	3772021.123	331.45
LOCATION L0009241	VOLUME	446892.897	3772029.713	331.55
LOCATION L0009242	VOLUME	446892.960	3772038.303	331.66
LOCATION L0009243	VOLUME	446893.023	3772046.893	331.84
LOCATION L0009244	VOLUME	446893.085	3772055.482	332.01
LOCATION L0009245	VOLUME	446893.148	3772064.072	332.19
LOCATION L0009246	VOLUME	446893.211	3772072.662	332.30
LOCATION L0009247	VOLUME	446893.273	3772081.252	332.38
LOCATION L0009248	VOLUME	446893.336	3772089.841	332.47

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LOCATION L0009249	VOLUME	446893.399	3772098.431	332.58
LOCATION L0009250	VOLUME	446893.461	3772107.021	332.74
LOCATION L0009251	VOLUME	446893.524	3772115.611	332.90
LOCATION L0009252	VOLUME	446886.068	3772116.795	332.96
LOCATION L0009253	VOLUME	446877.478	3772116.862	332.99
LOCATION L0009254	VOLUME	446868.889	3772116.930	333.02
LOCATION L0009255	VOLUME	446860.299	3772116.997	333.05
LOCATION L0009256	VOLUME	446851.709	3772117.064	333.05
LOCATION L0009257	VOLUME	446843.119	3772117.132	333.05
LOCATION L0009258	VOLUME	446834.530	3772117.199	333.05
LOCATION L0009259	VOLUME	446825.940	3772117.266	333.05
LOCATION L0009260	VOLUME	446817.350	3772117.334	333.05
LOCATION L0009261	VOLUME	446808.760	3772117.401	333.06
LOCATION L0009262	VOLUME	446800.171	3772117.469	333.06
LOCATION L0009263	VOLUME	446791.581	3772117.536	333.06
LOCATION L0009264	VOLUME	446782.991	3772117.603	333.06
LOCATION L0009265	VOLUME	446774.401	3772117.671	333.06
LOCATION L0009266	VOLUME	446765.812	3772117.738	333.06
LOCATION L0009267	VOLUME	446757.222	3772117.805	333.06
LOCATION L0009268	VOLUME	446748.632	3772117.873	333.06
LOCATION L0009269	VOLUME	446740.042	3772117.940	333.06
LOCATION L0009270	VOLUME	446731.453	3772118.008	333.06
LOCATION L0009271	VOLUME	446722.863	3772118.075	333.06
LOCATION L0009272	VOLUME	446714.273	3772118.142	333.06
LOCATION L0009273	VOLUME	446705.684	3772118.210	333.06
LOCATION L0009274	VOLUME	446697.094	3772118.277	333.06
LOCATION L0009275	VOLUME	446688.504	3772118.344	333.06
LOCATION L0009276	VOLUME	446679.914	3772118.412	333.07
LOCATION L0009277	VOLUME	446671.325	3772118.479	333.07
LOCATION L0009278	VOLUME	446662.735	3772118.547	333.07
LOCATION L0009279	VOLUME	446654.145	3772118.614	333.07
LOCATION L0009280	VOLUME	446645.555	3772118.681	333.07
LOCATION L0009281	VOLUME	446636.966	3772118.749	333.07
LOCATION L0009282	VOLUME	446628.376	3772118.816	333.07
LOCATION L0009283	VOLUME	446619.786	3772118.883	333.07
LOCATION L0009284	VOLUME	446611.196	3772118.951	333.05
LOCATION L0009285	VOLUME	446602.607	3772118.997	333.03
LOCATION L0009286	VOLUME	446594.017	3772119.043	333.01
LOCATION L0009287	VOLUME	446585.427	3772119.089	332.97
LOCATION L0009288	VOLUME	446576.837	3772119.136	332.90
LOCATION L0009289	VOLUME	446568.247	3772119.182	332.84
LOCATION L0009290	VOLUME	446559.657	3772119.228	332.77
LOCATION L0009291	VOLUME	446551.067	3772119.274	332.75
LOCATION L0009292	VOLUME	446542.477	3772119.320	332.73
LOCATION L0009293	VOLUME	446533.888	3772119.367	332.71
LOCATION L0009294	VOLUME	446525.298	3772119.413	332.74
LOCATION L0009295	VOLUME	446516.708	3772119.459	332.83
LOCATION L0009296	VOLUME	446508.118	3772119.505	332.92

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LOCATION L0009297	VOLUME	446499.528	3772119.551	333.01
LOCATION L0009298	VOLUME	446490.938	3772119.597	333.01
LOCATION L0009299	VOLUME	446482.348	3772119.644	333.01
LOCATION L0009300	VOLUME	446473.758	3772119.689	333.01
LOCATION L0009301	VOLUME	446469.385	3772123.913	333.10
LOCATION L0009302	VOLUME	446469.373	3772132.503	333.27
LOCATION L0009303	VOLUME	446469.361	3772141.093	333.45
LOCATION L0009304	VOLUME	446469.349	3772149.683	333.62
LOCATION L0009305	VOLUME	446469.336	3772158.273	333.80
LOCATION L0009306	VOLUME	446469.324	3772166.863	333.97
LOCATION L0009307	VOLUME	446469.312	3772175.453	334.14
LOCATION L0009308	VOLUME	446469.300	3772184.042	334.32
LOCATION L0009309	VOLUME	446469.287	3772192.632	334.43
LOCATION L0009310	VOLUME	446469.275	3772201.222	334.52
LOCATION L0009311	VOLUME	446469.263	3772209.812	334.61
LOCATION L0009312	VOLUME	446469.251	3772218.402	334.71
LOCATION L0009313	VOLUME	446469.238	3772226.992	334.89
LOCATION L0009314	VOLUME	446469.226	3772235.582	335.06
LOCATION L0009315	VOLUME	446469.214	3772244.172	335.24
LOCATION L0009316	VOLUME	446469.202	3772252.762	335.41
LOCATION L0009317	VOLUME	446469.189	3772261.352	335.58
LOCATION L0009318	VOLUME	446469.177	3772269.942	335.76
LOCATION L0009319	VOLUME	446469.165	3772278.532	335.91
LOCATION L0009320	VOLUME	446469.152	3772287.122	336.00
LOCATION L0009321	VOLUME	446469.140	3772295.712	336.09
LOCATION L0009322	VOLUME	446469.128	3772304.302	336.17
LOCATION L0009323	VOLUME	446469.116	3772312.892	336.33
LOCATION L0009324	VOLUME	446469.103	3772321.482	336.50
LOCATION L0009325	VOLUME	446469.091	3772330.072	336.68
LOCATION L0009326	VOLUME	446469.079	3772338.662	336.83
LOCATION L0009327	VOLUME	446469.067	3772347.252	336.91
LOCATION L0009328	VOLUME	446469.054	3772355.842	337.00
LOCATION L0009329	VOLUME	446469.042	3772364.432	337.09
LOCATION L0009330	VOLUME	446469.030	3772373.022	337.24
LOCATION L0009331	VOLUME	446469.018	3772381.612	337.42
LOCATION L0009332	VOLUME	446469.005	3772390.202	337.59
LOCATION L0009333	VOLUME	446468.993	3772398.792	337.74
LOCATION L0009334	VOLUME	446468.981	3772407.382	337.83
LOCATION L0009335	VOLUME	446468.968	3772415.972	337.92
LOCATION L0009336	VOLUME	446468.956	3772424.562	338.00
LOCATION L0009337	VOLUME	446468.944	3772433.152	338.16
LOCATION L0009338	VOLUME	446468.932	3772441.742	338.34
LOCATION L0009339	VOLUME	446468.919	3772450.332	338.51
LOCATION L0009340	VOLUME	446468.907	3772458.922	338.66
LOCATION L0009341	VOLUME	446474.364	3772462.029	338.70
LOCATION L0009342	VOLUME	446482.954	3772461.995	338.72
LOCATION L0009343	VOLUME	446491.544	3772461.960	338.73
LOCATION L0009344	VOLUME	446500.134	3772461.926	338.75

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LOCATION L0009345	VOLUME	446508.724	3772461.891	338.75
LOCATION L0009346	VOLUME	446517.314	3772461.857	338.74
LOCATION L0009347	VOLUME	446525.903	3772461.822	338.74
LOCATION L0009348	VOLUME	446534.493	3772461.788	338.79
LOCATION L0009349	VOLUME	446543.083	3772461.753	338.86
LOCATION L0009350	VOLUME	446551.673	3772461.719	338.93
LOCATION L0009351	VOLUME	446560.263	3772461.684	338.99
LOCATION L0009352	VOLUME	446568.853	3772461.650	338.99
LOCATION L0009353	VOLUME	446577.443	3772461.615	338.99
LOCATION L0009354	VOLUME	446586.033	3772461.581	338.99
LOCATION L0009355	VOLUME	446594.623	3772461.546	339.00
LOCATION L0009356	VOLUME	446603.213	3772461.512	339.01
LOCATION L0009357	VOLUME	446611.803	3772461.477	339.03
LOCATION L0009358	VOLUME	446620.393	3772461.443	339.04
LOCATION L0009359	VOLUME	446628.983	3772461.408	339.04
LOCATION L0009360	VOLUME	446637.573	3772461.374	339.04
LOCATION L0009361	VOLUME	446646.162	3772461.353	339.04
LOCATION L0009362	VOLUME	446654.752	3772461.420	339.04
LOCATION L0009363	VOLUME	446663.342	3772461.488	339.04
LOCATION L0009364	VOLUME	446671.932	3772461.556	339.04
LOCATION L0009365	VOLUME	446680.521	3772461.623	339.04
LOCATION L0009366	VOLUME	446689.111	3772461.691	339.05
LOCATION L0009367	VOLUME	446697.701	3772461.759	339.05
LOCATION L0009368	VOLUME	446706.291	3772461.826	339.05
LOCATION L0009369	VOLUME	446714.880	3772461.894	339.05
LOCATION L0009370	VOLUME	446723.470	3772461.962	339.05
LOCATION L0009371	VOLUME	446732.060	3772462.029	339.05
LOCATION L0009372	VOLUME	446740.650	3772462.097	339.05
LOCATION L0009373	VOLUME	446749.239	3772462.164	339.06
LOCATION L0009374	VOLUME	446757.829	3772462.232	339.06
LOCATION L0009375	VOLUME	446766.419	3772462.300	339.06
LOCATION L0009376	VOLUME	446775.008	3772462.367	339.01
LOCATION L0009377	VOLUME	446783.598	3772462.435	338.95
LOCATION L0009378	VOLUME	446792.188	3772462.503	338.88
LOCATION L0009379	VOLUME	446800.778	3772462.570	338.82
LOCATION L0009380	VOLUME	446809.367	3772462.638	338.80
LOCATION L0009381	VOLUME	446817.957	3772462.706	338.79
LOCATION L0009382	VOLUME	446826.499	3772462.335	338.76
LOCATION L0009383	VOLUME	446834.876	3772460.431	338.72
LOCATION L0009384	VOLUME	446841.035	3772456.203	338.63
LOCATION L0009385	VOLUME	446843.334	3772447.926	338.46
LOCATION L0009386	VOLUME	446843.925	3772439.393	338.29
LOCATION L0009387	VOLUME	446844.157	3772430.806	338.11
LOCATION L0009388	VOLUME	446844.389	3772422.219	337.96
LOCATION L0009389	VOLUME	446844.621	3772413.633	337.83
LOCATION L0009390	VOLUME	446844.853	3772405.046	337.70
LOCATION L0009391	VOLUME	446845.085	3772396.459	337.56
LOCATION L0009392	VOLUME	446845.189	3772387.870	337.43

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LOCATION	VOLUME			
L0009393	446845.246	3772379.280	337.30	
L0009394	446845.303	3772370.690	337.17	
L0009395	446845.360	3772362.100	337.02	
L0009396	446845.416	3772353.511	336.85	
L0009397	446845.473	3772344.921	336.67	
L0009398	446845.530	3772336.331	336.50	
L0009399	446845.587	3772327.741	336.36	
L0009400	446845.644	3772319.151	336.23	
L0009401	446845.701	3772310.561	336.10	
L0009402	446845.758	3772301.972	335.96	
L0009403	446845.815	3772293.382	335.84	
L0009404	446843.281	3772287.366	335.76	
L0009405	446834.691	3772287.366	335.79	

** End of LINE VOLUME Source ID = SLINE3

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC 100% Outbound

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 9.918E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 10

** 446853.755, 3769637.558, 301.45, 3.49, 4.00

** 446854.742, 3769772.210, 301.98, 3.49, 4.00

** 446854.249, 3769895.024, 302.59, 3.49, 4.00

** 446857.208, 3769999.589, 301.76, 3.49, 4.00

** 446869.629, 3770762.716, 312.31, 3.49, 4.00

** 446870.353, 3771415.636, 321.24, 3.49, 4.00

** 446869.521, 3771636.096, 325.16, 3.49, 4.00

** 446873.822, 3772117.532, 333.08, 3.49, 4.00

** 446875.754, 3772283.978, 335.54, 3.49, 4.00

** 446825.349, 3772287.366, 335.55, 3.49, 4.00

**

LOCATION	VOLUME			
L0009406	446853.787	3769641.853	301.26	
L0009407	446853.850	3769650.443	301.29	
L0009408	446853.913	3769659.032	301.33	
L0009409	446853.976	3769667.622	301.35	
L0009410	446854.038	3769676.212	301.23	
L0009411	446854.101	3769684.802	301.12	
L0009412	446854.164	3769693.392	301.00	
L0009413	446854.227	3769701.981	301.60	
L0009414	446854.290	3769710.571	302.57	
L0009415	446854.353	3769719.161	303.54	
L0009416	446854.416	3769727.751	304.34	
L0009417	446854.479	3769736.340	304.36	

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LOCATION L0009418	VOLUME	446854.542	3769744.930	304.38
LOCATION L0009419	VOLUME	446854.605	3769753.520	304.40
LOCATION L0009420	VOLUME	446854.668	3769762.110	303.48
LOCATION L0009421	VOLUME	446854.731	3769770.699	302.10
LOCATION L0009422	VOLUME	446854.713	3769779.289	300.71
LOCATION L0009423	VOLUME	446854.679	3769787.879	299.83
LOCATION L0009424	VOLUME	446854.644	3769796.469	301.30
LOCATION L0009425	VOLUME	446854.610	3769805.059	302.77
LOCATION L0009426	VOLUME	446854.575	3769813.649	304.24
LOCATION L0009427	VOLUME	446854.541	3769822.239	304.71
LOCATION L0009428	VOLUME	446854.506	3769830.829	304.72
LOCATION L0009429	VOLUME	446854.472	3769839.419	304.74
LOCATION L0009430	VOLUME	446854.437	3769848.009	304.74
LOCATION L0009431	VOLUME	446854.403	3769856.599	304.66
LOCATION L0009432	VOLUME	446854.368	3769865.189	304.59
LOCATION L0009433	VOLUME	446854.334	3769873.779	304.52
LOCATION L0009434	VOLUME	446854.299	3769882.369	303.94
LOCATION L0009435	VOLUME	446854.265	3769890.958	303.16
LOCATION L0009436	VOLUME	446854.377	3769899.547	302.37
LOCATION L0009437	VOLUME	446854.620	3769908.133	301.75
LOCATION L0009438	VOLUME	446854.863	3769916.720	301.75
LOCATION L0009439	VOLUME	446855.106	3769925.306	301.75
LOCATION L0009440	VOLUME	446855.349	3769933.893	301.75
LOCATION L0009441	VOLUME	446855.592	3769942.479	301.81
LOCATION L0009442	VOLUME	446855.835	3769951.066	301.88
LOCATION L0009443	VOLUME	446856.078	3769959.653	301.96
LOCATION L0009444	VOLUME	446856.321	3769968.239	302.01
LOCATION L0009445	VOLUME	446856.564	3769976.826	301.94
LOCATION L0009446	VOLUME	446856.807	3769985.412	301.87
LOCATION L0009447	VOLUME	446857.050	3769993.999	301.80
LOCATION L0009448	VOLUME	446857.257	3770002.586	301.90
LOCATION L0009449	VOLUME	446857.396	3770011.175	302.06
LOCATION L0009450	VOLUME	446857.536	3770019.764	302.23
LOCATION L0009451	VOLUME	446857.676	3770028.353	302.40
LOCATION L0009452	VOLUME	446857.816	3770036.942	302.58
LOCATION L0009453	VOLUME	446857.956	3770045.530	302.75
LOCATION L0009454	VOLUME	446858.095	3770054.119	302.93
LOCATION L0009455	VOLUME	446858.235	3770062.708	303.10
LOCATION L0009456	VOLUME	446858.375	3770071.297	303.28
LOCATION L0009457	VOLUME	446858.515	3770079.886	303.45
LOCATION L0009458	VOLUME	446858.655	3770088.475	303.62
LOCATION L0009459	VOLUME	446858.794	3770097.064	303.80
LOCATION L0009460	VOLUME	446858.934	3770105.652	303.97
LOCATION L0009461	VOLUME	446859.074	3770114.241	304.15
LOCATION L0009462	VOLUME	446859.214	3770122.830	304.26
LOCATION L0009463	VOLUME	446859.354	3770131.419	304.34
LOCATION L0009464	VOLUME	446859.493	3770140.008	304.43
LOCATION L0009465	VOLUME	446859.633	3770148.597	304.52

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LOCATION L0009466	VOLUME	446859.773	3770157.186	304.61
LOCATION L0009467	VOLUME	446859.913	3770165.775	304.69
LOCATION L0009468	VOLUME	446860.053	3770174.363	304.78
LOCATION L0009469	VOLUME	446860.192	3770182.952	304.93
LOCATION L0009470	VOLUME	446860.332	3770191.541	305.10
LOCATION L0009471	VOLUME	446860.472	3770200.130	305.28
LOCATION L0009472	VOLUME	446860.612	3770208.719	305.40
LOCATION L0009473	VOLUME	446860.752	3770217.308	305.40
LOCATION L0009474	VOLUME	446860.891	3770225.897	305.40
LOCATION L0009475	VOLUME	446861.031	3770234.485	305.41
LOCATION L0009476	VOLUME	446861.171	3770243.074	305.48
LOCATION L0009477	VOLUME	446861.311	3770251.663	305.57
LOCATION L0009478	VOLUME	446861.451	3770260.252	305.65
LOCATION L0009479	VOLUME	446861.590	3770268.841	305.74
LOCATION L0009480	VOLUME	446861.730	3770277.430	305.83
LOCATION L0009481	VOLUME	446861.870	3770286.019	305.91
LOCATION L0009482	VOLUME	446862.010	3770294.607	306.00
LOCATION L0009483	VOLUME	446862.150	3770303.196	306.09
LOCATION L0009484	VOLUME	446862.289	3770311.785	306.18
LOCATION L0009485	VOLUME	446862.429	3770320.374	306.26
LOCATION L0009486	VOLUME	446862.569	3770328.963	306.35
LOCATION L0009487	VOLUME	446862.709	3770337.552	306.44
LOCATION L0009488	VOLUME	446862.849	3770346.141	306.53
LOCATION L0009489	VOLUME	446862.988	3770354.730	306.61
LOCATION L0009490	VOLUME	446863.128	3770363.318	306.76
LOCATION L0009491	VOLUME	446863.268	3770371.907	306.92
LOCATION L0009492	VOLUME	446863.408	3770380.496	307.09
LOCATION L0009493	VOLUME	446863.548	3770389.085	307.22
LOCATION L0009494	VOLUME	446863.687	3770397.674	307.31
LOCATION L0009495	VOLUME	446863.827	3770406.263	307.40
LOCATION L0009496	VOLUME	446863.967	3770414.852	307.48
LOCATION L0009497	VOLUME	446864.107	3770423.440	307.58
LOCATION L0009498	VOLUME	446864.247	3770432.029	307.68
LOCATION L0009499	VOLUME	446864.386	3770440.618	307.78
LOCATION L0009500	VOLUME	446864.526	3770449.207	307.90
LOCATION L0009501	VOLUME	446864.666	3770457.796	308.06
LOCATION L0009502	VOLUME	446864.806	3770466.385	308.22
LOCATION L0009503	VOLUME	446864.946	3770474.974	308.38
LOCATION L0009504	VOLUME	446865.085	3770483.562	308.47
LOCATION L0009505	VOLUME	446865.225	3770492.151	308.56
LOCATION L0009506	VOLUME	446865.365	3770500.740	308.65
LOCATION L0009507	VOLUME	446865.505	3770509.329	308.74
LOCATION L0009508	VOLUME	446865.645	3770517.918	308.84
LOCATION L0009509	VOLUME	446865.784	3770526.507	308.95
LOCATION L0009510	VOLUME	446865.924	3770535.096	309.05
LOCATION L0009511	VOLUME	446866.064	3770543.684	309.20
LOCATION L0009512	VOLUME	446866.204	3770552.273	309.35
LOCATION L0009513	VOLUME	446866.344	3770560.862	309.51

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LOCATION L0009514	VOLUME	446866.483	3770569.451	309.64
LOCATION L0009515	VOLUME	446866.623	3770578.040	309.75
LOCATION L0009516	VOLUME	446866.763	3770586.629	309.86
LOCATION L0009517	VOLUME	446866.903	3770595.218	309.97
LOCATION L0009518	VOLUME	446867.043	3770603.807	310.06
LOCATION L0009519	VOLUME	446867.182	3770612.395	310.14
LOCATION L0009520	VOLUME	446867.322	3770620.984	310.23
LOCATION L0009521	VOLUME	446867.462	3770629.573	310.32
LOCATION L0009522	VOLUME	446867.602	3770638.162	310.41
LOCATION L0009523	VOLUME	446867.742	3770646.751	310.49
LOCATION L0009524	VOLUME	446867.881	3770655.340	310.58
LOCATION L0009525	VOLUME	446868.021	3770663.929	310.72
LOCATION L0009526	VOLUME	446868.161	3770672.517	310.87
LOCATION L0009527	VOLUME	446868.301	3770681.106	311.02
LOCATION L0009528	VOLUME	446868.441	3770689.695	311.15
LOCATION L0009529	VOLUME	446868.580	3770698.284	311.27
LOCATION L0009530	VOLUME	446868.720	3770706.873	311.38
LOCATION L0009531	VOLUME	446868.860	3770715.462	311.49
LOCATION L0009532	VOLUME	446869.000	3770724.051	311.64
LOCATION L0009533	VOLUME	446869.140	3770732.639	311.78
LOCATION L0009534	VOLUME	446869.279	3770741.228	311.93
LOCATION L0009535	VOLUME	446869.419	3770749.817	312.06
LOCATION L0009536	VOLUME	446869.559	3770758.406	312.18
LOCATION L0009537	VOLUME	446869.634	3770766.995	312.29
LOCATION L0009538	VOLUME	446869.643	3770775.585	312.41
LOCATION L0009539	VOLUME	446869.653	3770784.175	312.50
LOCATION L0009540	VOLUME	446869.663	3770792.765	312.59
LOCATION L0009541	VOLUME	446869.672	3770801.355	312.67
LOCATION L0009542	VOLUME	446869.682	3770809.945	312.76
LOCATION L0009543	VOLUME	446869.691	3770818.535	312.85
LOCATION L0009544	VOLUME	446869.701	3770827.125	312.94
LOCATION L0009545	VOLUME	446869.710	3770835.715	313.02
LOCATION L0009546	VOLUME	446869.720	3770844.305	313.11
LOCATION L0009547	VOLUME	446869.729	3770852.895	313.20
LOCATION L0009548	VOLUME	446869.739	3770861.485	313.28
LOCATION L0009549	VOLUME	446869.748	3770870.075	313.37
LOCATION L0009550	VOLUME	446869.758	3770878.665	313.46
LOCATION L0009551	VOLUME	446869.767	3770887.255	313.55
LOCATION L0009552	VOLUME	446869.777	3770895.845	313.63
LOCATION L0009553	VOLUME	446869.786	3770904.435	313.72
LOCATION L0009554	VOLUME	446869.796	3770913.025	313.81
LOCATION L0009555	VOLUME	446869.805	3770921.615	313.90
LOCATION L0009556	VOLUME	446869.815	3770930.205	314.01
LOCATION L0009557	VOLUME	446869.824	3770938.795	314.15
LOCATION L0009558	VOLUME	446869.834	3770947.385	314.30
LOCATION L0009559	VOLUME	446869.843	3770955.975	314.44
LOCATION L0009560	VOLUME	446869.853	3770964.565	314.56
LOCATION L0009561	VOLUME	446869.863	3770973.155	314.68

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LOCATION L0009562	VOLUME	446869.872	3770981.745	314.80
LOCATION L0009563	VOLUME	446869.882	3770990.335	314.93
LOCATION L0009564	VOLUME	446869.891	3770998.925	315.07
LOCATION L0009565	VOLUME	446869.901	3771007.515	315.21
LOCATION L0009566	VOLUME	446869.910	3771016.105	315.36
LOCATION L0009567	VOLUME	446869.920	3771024.695	315.48
LOCATION L0009568	VOLUME	446869.929	3771033.285	315.59
LOCATION L0009569	VOLUME	446869.939	3771041.875	315.71
LOCATION L0009570	VOLUME	446869.948	3771050.465	315.86
LOCATION L0009571	VOLUME	446869.958	3771059.055	316.03
LOCATION L0009572	VOLUME	446869.967	3771067.645	316.21
LOCATION L0009573	VOLUME	446869.977	3771076.235	316.38
LOCATION L0009574	VOLUME	446869.986	3771084.825	316.47
LOCATION L0009575	VOLUME	446869.996	3771093.415	316.56
LOCATION L0009576	VOLUME	446870.005	3771102.005	316.64
LOCATION L0009577	VOLUME	446870.015	3771110.595	316.76
LOCATION L0009578	VOLUME	446870.024	3771119.185	316.90
LOCATION L0009579	VOLUME	446870.034	3771127.775	317.05
LOCATION L0009580	VOLUME	446870.044	3771136.365	317.19
LOCATION L0009581	VOLUME	446870.053	3771144.955	317.31
LOCATION L0009582	VOLUME	446870.063	3771153.545	317.43
LOCATION L0009583	VOLUME	446870.072	3771162.135	317.54
LOCATION L0009584	VOLUME	446870.082	3771170.725	317.65
LOCATION L0009585	VOLUME	446870.091	3771179.315	317.73
LOCATION L0009586	VOLUME	446870.101	3771187.905	317.82
LOCATION L0009587	VOLUME	446870.110	3771196.495	317.91
LOCATION L0009588	VOLUME	446870.120	3771205.085	318.08
LOCATION L0009589	VOLUME	446870.129	3771213.675	318.26
LOCATION L0009590	VOLUME	446870.139	3771222.265	318.43
LOCATION L0009591	VOLUME	446870.148	3771230.855	318.59
LOCATION L0009592	VOLUME	446870.158	3771239.445	318.73
LOCATION L0009593	VOLUME	446870.167	3771248.035	318.88
LOCATION L0009594	VOLUME	446870.177	3771256.625	319.02
LOCATION L0009595	VOLUME	446870.186	3771265.215	319.14
LOCATION L0009596	VOLUME	446870.196	3771273.805	319.26
LOCATION L0009597	VOLUME	446870.205	3771282.395	319.38
LOCATION L0009598	VOLUME	446870.215	3771290.985	319.52
LOCATION L0009599	VOLUME	446870.225	3771299.575	319.70
LOCATION L0009600	VOLUME	446870.234	3771308.165	319.87
LOCATION L0009601	VOLUME	446870.244	3771316.755	320.04
LOCATION L0009602	VOLUME	446870.253	3771325.345	320.13
LOCATION L0009603	VOLUME	446870.263	3771333.935	320.22
LOCATION L0009604	VOLUME	446870.272	3771342.525	320.31
LOCATION L0009605	VOLUME	446870.282	3771351.115	320.42
LOCATION L0009606	VOLUME	446870.291	3771359.705	320.57
LOCATION L0009607	VOLUME	446870.301	3771368.295	320.71
LOCATION L0009608	VOLUME	446870.310	3771376.885	320.85
LOCATION L0009609	VOLUME	446870.320	3771385.475	320.97

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LOCATION L0009610	VOLUME	446870.329	3771394.065	321.09
LOCATION L0009611	VOLUME	446870.339	3771402.655	321.21
LOCATION L0009612	VOLUME	446870.348	3771411.245	321.36
LOCATION L0009613	VOLUME	446870.337	3771419.835	321.53
LOCATION L0009614	VOLUME	446870.305	3771428.425	321.71
LOCATION L0009615	VOLUME	446870.273	3771437.015	321.88
LOCATION L0009616	VOLUME	446870.240	3771445.605	322.06
LOCATION L0009617	VOLUME	446870.208	3771454.195	322.23
LOCATION L0009618	VOLUME	446870.175	3771462.785	322.41
LOCATION L0009619	VOLUME	446870.143	3771471.375	322.58
LOCATION L0009620	VOLUME	446870.111	3771479.965	322.75
LOCATION L0009621	VOLUME	446870.078	3771488.555	322.93
LOCATION L0009622	VOLUME	446870.046	3771497.144	323.10
LOCATION L0009623	VOLUME	446870.013	3771505.734	323.18
LOCATION L0009624	VOLUME	446869.981	3771514.324	323.27
LOCATION L0009625	VOLUME	446869.948	3771522.914	323.36
LOCATION L0009626	VOLUME	446869.916	3771531.504	323.45
LOCATION L0009627	VOLUME	446869.884	3771540.094	323.53
LOCATION L0009628	VOLUME	446869.851	3771548.684	323.62
LOCATION L0009629	VOLUME	446869.819	3771557.274	323.72
LOCATION L0009630	VOLUME	446869.786	3771565.864	323.89
LOCATION L0009631	VOLUME	446869.754	3771574.454	324.07
LOCATION L0009632	VOLUME	446869.722	3771583.044	324.24
LOCATION L0009633	VOLUME	446869.689	3771591.634	324.40
LOCATION L0009634	VOLUME	446869.657	3771600.224	324.54
LOCATION L0009635	VOLUME	446869.624	3771608.814	324.69
LOCATION L0009636	VOLUME	446869.592	3771617.404	324.83
LOCATION L0009637	VOLUME	446869.559	3771625.994	324.95
LOCATION L0009638	VOLUME	446869.527	3771634.583	325.06
LOCATION L0009639	VOLUME	446869.585	3771643.173	325.18
LOCATION L0009640	VOLUME	446869.661	3771651.763	325.28
LOCATION L0009641	VOLUME	446869.738	3771660.353	325.36
LOCATION L0009642	VOLUME	446869.815	3771668.942	325.45
LOCATION L0009643	VOLUME	446869.891	3771677.532	325.55
LOCATION L0009644	VOLUME	446869.968	3771686.121	325.72
LOCATION L0009645	VOLUME	446870.045	3771694.711	325.90
LOCATION L0009646	VOLUME	446870.122	3771703.301	326.07
LOCATION L0009647	VOLUME	446870.198	3771711.890	326.19
LOCATION L0009648	VOLUME	446870.275	3771720.480	326.28
LOCATION L0009649	VOLUME	446870.352	3771729.070	326.37
LOCATION L0009650	VOLUME	446870.429	3771737.659	326.47
LOCATION L0009651	VOLUME	446870.505	3771746.249	326.64
LOCATION L0009652	VOLUME	446870.582	3771754.839	326.82
LOCATION L0009653	VOLUME	446870.659	3771763.428	326.99
LOCATION L0009654	VOLUME	446870.736	3771772.018	327.17
LOCATION L0009655	VOLUME	446870.812	3771780.608	327.34
LOCATION L0009656	VOLUME	446870.889	3771789.197	327.51
LOCATION L0009657	VOLUME	446870.966	3771797.787	327.69

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LOCATION L0009658	VOLUME	446871.042	3771806.377	327.86
LOCATION L0009659	VOLUME	446871.119	3771814.966	328.04
LOCATION L0009660	VOLUME	446871.196	3771823.556	328.21
LOCATION L0009661	VOLUME	446871.273	3771832.146	328.33
LOCATION L0009662	VOLUME	446871.349	3771840.735	328.42
LOCATION L0009663	VOLUME	446871.426	3771849.325	328.50
LOCATION L0009664	VOLUME	446871.503	3771857.915	328.61
LOCATION L0009665	VOLUME	446871.580	3771866.504	328.78
LOCATION L0009666	VOLUME	446871.656	3771875.094	328.96
LOCATION L0009667	VOLUME	446871.733	3771883.684	329.13
LOCATION L0009668	VOLUME	446871.810	3771892.273	329.34
LOCATION L0009669	VOLUME	446871.886	3771900.863	329.57
LOCATION L0009670	VOLUME	446871.963	3771909.453	329.79
LOCATION L0009671	VOLUME	446872.040	3771918.042	330.01
LOCATION L0009672	VOLUME	446872.117	3771926.632	330.24
LOCATION L0009673	VOLUME	446872.193	3771935.222	330.46
LOCATION L0009674	VOLUME	446872.270	3771943.811	330.69
LOCATION L0009675	VOLUME	446872.347	3771952.401	330.84
LOCATION L0009676	VOLUME	446872.424	3771960.991	330.96
LOCATION L0009677	VOLUME	446872.500	3771969.580	331.09
LOCATION L0009678	VOLUME	446872.577	3771978.170	331.20
LOCATION L0009679	VOLUME	446872.654	3771986.759	331.29
LOCATION L0009680	VOLUME	446872.731	3771995.349	331.38
LOCATION L0009681	VOLUME	446872.807	3772003.939	331.46
LOCATION L0009682	VOLUME	446872.884	3772012.528	331.55
LOCATION L0009683	VOLUME	446872.961	3772021.118	331.64
LOCATION L0009684	VOLUME	446873.037	3772029.708	331.72
LOCATION L0009685	VOLUME	446873.114	3772038.297	331.82
LOCATION L0009686	VOLUME	446873.191	3772046.887	331.94
LOCATION L0009687	VOLUME	446873.268	3772055.477	332.07
LOCATION L0009688	VOLUME	446873.344	3772064.066	332.20
LOCATION L0009689	VOLUME	446873.421	3772072.656	332.33
LOCATION L0009690	VOLUME	446873.498	3772081.246	332.46
LOCATION L0009691	VOLUME	446873.575	3772089.835	332.60
LOCATION L0009692	VOLUME	446873.651	3772098.425	332.73
LOCATION L0009693	VOLUME	446873.728	3772107.015	332.86
LOCATION L0009694	VOLUME	446873.805	3772115.604	332.98
LOCATION L0009695	VOLUME	446873.899	3772124.194	333.11
LOCATION L0009696	VOLUME	446873.999	3772132.783	333.25
LOCATION L0009697	VOLUME	446874.099	3772141.373	333.38
LOCATION L0009698	VOLUME	446874.198	3772149.962	333.51
LOCATION L0009699	VOLUME	446874.298	3772158.552	333.64
LOCATION L0009700	VOLUME	446874.398	3772167.141	333.77
LOCATION L0009701	VOLUME	446874.498	3772175.730	333.90
LOCATION L0009702	VOLUME	446874.597	3772184.320	334.03
LOCATION L0009703	VOLUME	446874.697	3772192.909	334.19
LOCATION L0009704	VOLUME	446874.797	3772201.499	334.37
LOCATION L0009705	VOLUME	446874.896	3772210.088	334.54

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LOCATION L0009706	VOLUME	446874.996	3772218.677	334.69
LOCATION L0009707	VOLUME	446875.096	3772227.267	334.78
LOCATION L0009708	VOLUME	446875.195	3772235.856	334.87
LOCATION L0009709	VOLUME	446875.295	3772244.446	334.96
LOCATION L0009710	VOLUME	446875.395	3772253.035	335.11
LOCATION L0009711	VOLUME	446875.495	3772261.625	335.29
LOCATION L0009712	VOLUME	446875.594	3772270.214	335.46
LOCATION L0009713	VOLUME	446875.694	3772278.803	335.61
LOCATION L0009714	VOLUME	446872.347	3772284.207	335.66
LOCATION L0009715	VOLUME	446863.776	3772284.783	335.67
LOCATION L0009716	VOLUME	446855.205	3772285.359	335.69
LOCATION L0009717	VOLUME	446846.635	3772285.935	335.72
LOCATION L0009718	VOLUME	446838.064	3772286.511	335.76
LOCATION L0009719	VOLUME	446829.493	3772287.087	335.80

** End of LINE VOLUME Source ID = SLINE4

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0008906	0.0000005698	3.49	4.00	3.25
SRCPARAM L0008907	0.0000005698	3.49	4.00	3.25
SRCPARAM L0008908	0.0000005698	3.49	4.00	3.25
SRCPARAM L0008909	0.0000005698	3.49	4.00	3.25
SRCPARAM L0008910	0.0000005698	3.49	4.00	3.25
SRCPARAM L0008911	0.0000005698	3.49	4.00	3.25
SRCPARAM L0008912	0.0000005698	3.49	4.00	3.25
SRCPARAM L0008913	0.0000005698	3.49	4.00	3.25
SRCPARAM L0008914	0.0000005698	3.49	4.00	3.25
SRCPARAM L0008915	0.0000005698	3.49	4.00	3.25

**

** LINE VOLUME Source ID = SLINE2

SRCPARAM L0008926	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008927	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008928	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008929	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008930	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008931	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008932	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008933	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008934	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008935	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008936	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008937	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008938	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008939	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008940	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008941	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008942	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008943	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008944	0.0000001123	3.49	4.00	3.25

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SRCPARAM L0008945	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008946	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008947	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008948	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008949	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008950	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008951	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008952	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008953	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008954	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008955	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008956	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008957	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008958	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008959	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008960	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008961	0.0000001123	3.49	4.00	3.25
SRCPARAM L0008962	0.0000001123	3.49	4.00	3.25

**

** LINE VOLUME Source ID = SLINE3

SRCPARAM L0008963	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008964	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008965	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008966	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008967	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008968	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008969	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008970	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008971	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008972	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008973	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008974	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008975	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008976	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008977	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008978	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008979	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008980	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008981	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008982	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008983	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008984	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008985	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008986	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008987	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008988	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008989	0.00000003156	3.49	4.00	3.25
SRCPARAM L0008990	0.00000003156	3.49	4.00	3.25

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SRCPARAM L0009375	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009376	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009377	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009378	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009379	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009380	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009381	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009382	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009383	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009384	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009385	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009386	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009387	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009388	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009389	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009390	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009391	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009392	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009393	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009394	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009395	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009396	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009397	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009398	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009399	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009400	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009401	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009402	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009403	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009404	0.00000003156	3.49	4.00	3.25
SRCPARAM L0009405	0.00000003156	3.49	4.00	3.25

**

** LINE VOLUME Source ID = SLINE4

SRCPARAM L0009406	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009407	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009408	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009409	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009410	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009411	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009412	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009413	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009414	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009415	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009416	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009417	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009418	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009419	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009420	0.00000003159	3.49	4.00	3.25

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SRCPARAM L0009709	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009710	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009711	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009712	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009713	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009714	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009715	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009716	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009717	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009718	0.00000003159	3.49	4.00	3.25
SRCPARAM L0009719	0.00000003159	3.49	4.00	3.25

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "11586 8th and Haven.rou"

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE KONT_V9_ADJU\KONT_v9.SFC

PROFFILE KONT_V9_ADJU\KONT_v9.PFL

SURFDATA 3102 2012

UAIRDATA 3190 2012

PROFBASE 289.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "11586 8th and Haven.AD\AN00GALL.PLT" 31

SUMMFILE "11586 8th and Haven.sum"

OU FINISHED

11586 8th and Haven

*** 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 1765 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 1765 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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Haven\11586 8th and Haven.isc *** 02/06/19
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY

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

-- DEPOSITION LOGIC --

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 804 Source(s),
for Total of 1 Urban Area(s):

11586 8th and Haven
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m

****Model Uses Regulatory DEFAULT Options:**

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

****Other Options Specified:**

ADJ_U* - Use ADJ_U* option for SBL in AERMET
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 ANNUAL Averages Only**

****This Run Includes: 804 Source(s); 1 Source Group(s); and 19 Receptor(s)**

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 804 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

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

****Output Options Selected:**

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

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

11586 8th and Haven

and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 289.00 ; Decay
 Coef. = 0.000 ; Rot. Angle = 0.0
 Emission Units = GRAMS/SEC ;
 Emission Rate Unit Factor = 0.10000E+07
 Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

**Input Runstream File: aermod.inp

**Output Print File: aermod.out

**Detailed Error/Message File: 11586 8th and Haven.err

**File for Summary of Results: 11586 8th and Haven.sum

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0008906		0	0.56980E-06		446674.2	3772420.3	338.2	3.49	4.00
3.25	YES								
L0008907		0	0.56980E-06		446674.1	3772411.8	338.0	3.49	4.00
3.25	YES								
L0008908		0	0.56980E-06		446674.1	3772403.2	337.9	3.49	4.00
3.25	YES								
L0008909		0	0.56980E-06		446674.0	3772394.6	337.7	3.49	4.00
3.25	YES								
L0008910		0	0.56980E-06		446674.0	3772386.0	337.5	3.49	4.00

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3.25	YES							
L0008911		0	0.56980E-06	446673.9	3772377.4	337.3	3.49	4.00
3.25	YES							
L0008912		0	0.56980E-06	446673.8	3772368.8	337.2	3.49	4.00
3.25	YES							
L0008913		0	0.56980E-06	446673.8	3772360.2	337.0	3.49	4.00
3.25	YES							
L0008914		0	0.56980E-06	446673.7	3772351.6	336.8	3.49	4.00
3.25	YES							
L0008915		0	0.56980E-06	446673.6	3772343.0	336.6	3.49	4.00
3.25	YES							
L0008926		0	0.11230E-06	446825.5	3772290.0	335.8	3.49	4.00
3.25	YES							
L0008927		0	0.11230E-06	446816.9	3772290.0	335.8	3.49	4.00
3.25	YES							
L0008928		0	0.11230E-06	446808.3	3772290.0	335.8	3.49	4.00
3.25	YES							
L0008929		0	0.11230E-06	446799.7	3772290.0	335.7	3.49	4.00
3.25	YES							
L0008930		0	0.11230E-06	446791.1	3772290.0	335.7	3.49	4.00
3.25	YES							
L0008931		0	0.11230E-06	446782.5	3772289.9	335.7	3.49	4.00
3.25	YES							
L0008932		0	0.11230E-06	446773.9	3772289.9	335.7	3.49	4.00
3.25	YES							
L0008933		0	0.11230E-06	446765.4	3772289.9	335.7	3.49	4.00
3.25	YES							
L0008934		0	0.11230E-06	446756.8	3772289.9	335.7	3.49	4.00
3.25	YES							
L0008935		0	0.11230E-06	446748.2	3772289.8	335.6	3.49	4.00
3.25	YES							
L0008936		0	0.11230E-06	446739.6	3772289.8	335.6	3.49	4.00
3.25	YES							
L0008937		0	0.11230E-06	446731.0	3772289.8	335.6	3.49	4.00
3.25	YES							
L0008938		0	0.11230E-06	446722.4	3772289.8	335.6	3.49	4.00
3.25	YES							
L0008939		0	0.11230E-06	446713.8	3772289.8	335.6	3.49	4.00
3.25	YES							
L0008940		0	0.11230E-06	446705.2	3772289.7	335.6	3.49	4.00
3.25	YES							
L0008941		0	0.11230E-06	446696.6	3772289.7	335.6	3.49	4.00
3.25	YES							
L0008942		0	0.11230E-06	446688.0	3772289.7	335.6	3.49	4.00
3.25	YES							
L0008943		0	0.11230E-06	446679.5	3772289.7	335.6	3.49	4.00
3.25	YES							
L0008944		0	0.11230E-06	446670.9	3772289.7	335.6	3.49	4.00

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3.25	YES	L0008945	0	0.11230E-06	446662.3	3772289.6	335.6	3.49	4.00
3.25	YES	L0008946	0	0.11230E-06	446657.3	3772294.5	335.7	3.49	4.00
3.25	YES	L0008947	0	0.11230E-06	446654.9	3772302.7	335.8	3.49	4.00
3.25	YES	L0008948	0	0.11230E-06	446655.0	3772311.3	336.0	3.49	4.00
3.25	YES	L0008949	0	0.11230E-06	446655.1	3772319.9	336.2	3.49	4.00
3.25	YES	L0008950	0	0.11230E-06	446655.2	3772328.5	336.3	3.49	4.00
3.25	YES	L0008951	0	0.11230E-06	446655.3	3772337.1	336.5	3.49	4.00
3.25	YES	L0008952	0	0.11230E-06	446655.4	3772345.7	336.7	3.49	4.00
3.25	YES	L0008953	0	0.11230E-06	446655.6	3772354.3	336.9	3.49	4.00
3.25	YES	L0008954	0	0.11230E-06	446655.7	3772362.8	337.0	3.49	4.00
3.25	YES	L0008955	0	0.11230E-06	446655.8	3772371.4	337.2	3.49	4.00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0008956		0	0.11230E-06	446655.9	3772380.0	337.4	3.49	4.00	
3.25	YES	L0008957	0	0.11230E-06	446656.0	3772388.6	337.6	3.49	4.00
3.25	YES	L0008958	0	0.11230E-06	446656.1	3772397.2	337.7	3.49	4.00

11586 8th and Haven

3.25	YES							
L0008959		0	0.11230E-06	446656.2	3772405.8	337.9	3.49	4.00
3.25	YES							
L0008960		0	0.11230E-06	446656.3	3772414.4	338.1	3.49	4.00
3.25	YES							
L0008961		0	0.11230E-06	446660.9	3772421.4	338.2	3.49	4.00
3.25	YES							
L0008962		0	0.11230E-06	446666.3	3772428.0	338.4	3.49	4.00
3.25	YES							
L0008963		0	0.31560E-07	446874.3	3769641.9	301.3	3.49	4.00
3.25	YES							
L0008964		0	0.31560E-07	446874.4	3769650.4	301.4	3.49	4.00
3.25	YES							
L0008965		0	0.31560E-07	446874.4	3769659.0	301.4	3.49	4.00
3.25	YES							
L0008966		0	0.31560E-07	446874.5	3769667.6	301.4	3.49	4.00
3.25	YES							
L0008967		0	0.31560E-07	446874.5	3769676.2	301.2	3.49	4.00
3.25	YES							
L0008968		0	0.31560E-07	446874.6	3769684.8	301.0	3.49	4.00
3.25	YES							
L0008969		0	0.31560E-07	446874.7	3769693.4	300.8	3.49	4.00
3.25	YES							
L0008970		0	0.31560E-07	446874.7	3769702.0	300.8	3.49	4.00
3.25	YES							
L0008971		0	0.31560E-07	446874.8	3769710.6	301.1	3.49	4.00
3.25	YES							
L0008972		0	0.31560E-07	446874.9	3769719.2	301.3	3.49	4.00
3.25	YES							
L0008973		0	0.31560E-07	446874.9	3769727.8	301.5	3.49	4.00
3.25	YES							
L0008974		0	0.31560E-07	446875.0	3769736.3	301.7	3.49	4.00
3.25	YES							
L0008975		0	0.31560E-07	446875.0	3769744.9	301.9	3.49	4.00
3.25	YES							
L0008976		0	0.31560E-07	446875.1	3769753.5	302.0	3.49	4.00
3.25	YES							
L0008977		0	0.31560E-07	446875.2	3769762.1	301.9	3.49	4.00
3.25	YES							
L0008978		0	0.31560E-07	446875.2	3769770.7	301.5	3.49	4.00
3.25	YES							
L0008979		0	0.31560E-07	446875.2	3769779.3	301.2	3.49	4.00
3.25	YES							
L0008980		0	0.31560E-07	446875.2	3769787.9	301.0	3.49	4.00
3.25	YES							
L0008981		0	0.31560E-07	446875.1	3769796.5	301.7	3.49	4.00
3.25	YES							
L0008982		0	0.31560E-07	446875.1	3769805.1	302.4	3.49	4.00

11586 8th and Haven

3.25	YES							
L0008983		0	0.31560E-07	446875.1	3769813.6	303.2	3.49	4.00
3.25	YES							
L0008984		0	0.31560E-07	446875.0	3769822.2	303.5	3.49	4.00
3.25	YES							
L0008985		0	0.31560E-07	446875.0	3769830.8	303.8	3.49	4.00
3.25	YES							
L0008986		0	0.31560E-07	446875.0	3769839.4	304.0	3.49	4.00
3.25	YES							
L0008987		0	0.31560E-07	446874.9	3769848.0	304.2	3.49	4.00
3.25	YES							
L0008988		0	0.31560E-07	446874.9	3769856.6	304.1	3.49	4.00
3.25	YES							
L0008989		0	0.31560E-07	446874.9	3769865.2	304.0	3.49	4.00
3.25	YES							
L0008990		0	0.31560E-07	446874.8	3769873.8	303.9	3.49	4.00
3.25	YES							
L0008991		0	0.31560E-07	446874.8	3769882.4	303.5	3.49	4.00
3.25	YES							
L0008992		0	0.31560E-07	446874.8	3769891.0	302.9	3.49	4.00
3.25	YES							
L0008993		0	0.31560E-07	446874.9	3769899.5	302.4	3.49	4.00
3.25	YES							
L0008994		0	0.31560E-07	446875.1	3769908.1	301.9	3.49	4.00
3.25	YES							
L0008995		0	0.31560E-07	446875.4	3769916.7	301.9	3.49	4.00
3.25	YES							

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\11586 8th and
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	PART.	(GRAMS/SEC)	X	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY			(METERS)	(METERS)	(METERS)
ID		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L0008996		0	0.31560E-07	446875.6	3769925.3	301.8	3.49	4.00

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3.25	YES							
L0008997		0	0.31560E-07	446875.9	3769933.9	301.8	3.49	4.00
3.25	YES							
L0008998		0	0.31560E-07	446876.1	3769942.5	301.8	3.49	4.00
3.25	YES							
L0008999		0	0.31560E-07	446876.3	3769951.1	301.8	3.49	4.00
3.25	YES							
L0009000		0	0.31560E-07	446876.6	3769959.7	301.9	3.49	4.00
3.25	YES							
L0009001		0	0.31560E-07	446876.8	3769968.2	301.9	3.49	4.00
3.25	YES							
L0009002		0	0.31560E-07	446877.1	3769976.8	301.8	3.49	4.00
3.25	YES							
L0009003		0	0.31560E-07	446877.3	3769985.4	301.8	3.49	4.00
3.25	YES							
L0009004		0	0.31560E-07	446877.6	3769994.0	301.8	3.49	4.00
3.25	YES							
L0009005		0	0.31560E-07	446877.8	3770002.6	301.9	3.49	4.00
3.25	YES							
L0009006		0	0.31560E-07	446877.9	3770011.2	302.1	3.49	4.00
3.25	YES							
L0009007		0	0.31560E-07	446878.0	3770019.8	302.2	3.49	4.00
3.25	YES							
L0009008		0	0.31560E-07	446878.2	3770028.4	302.4	3.49	4.00
3.25	YES							
L0009009		0	0.31560E-07	446878.3	3770036.9	302.6	3.49	4.00
3.25	YES							
L0009010		0	0.31560E-07	446878.5	3770045.5	302.8	3.49	4.00
3.25	YES							
L0009011		0	0.31560E-07	446878.6	3770054.1	302.9	3.49	4.00
3.25	YES							
L0009012		0	0.31560E-07	446878.7	3770062.7	303.1	3.49	4.00
3.25	YES							
L0009013		0	0.31560E-07	446878.9	3770071.3	303.2	3.49	4.00
3.25	YES							
L0009014		0	0.31560E-07	446879.0	3770079.9	303.3	3.49	4.00
3.25	YES							
L0009015		0	0.31560E-07	446879.2	3770088.5	303.4	3.49	4.00
3.25	YES							
L0009016		0	0.31560E-07	446879.3	3770097.1	303.6	3.49	4.00
3.25	YES							
L0009017		0	0.31560E-07	446879.4	3770105.7	303.8	3.49	4.00
3.25	YES							
L0009018		0	0.31560E-07	446879.6	3770114.2	303.9	3.49	4.00
3.25	YES							
L0009019		0	0.31560E-07	446879.7	3770122.8	304.1	3.49	4.00
3.25	YES							
L0009020		0	0.31560E-07	446879.9	3770131.4	304.2	3.49	4.00

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3.25	YES								
L0009021		0	0.31560E-07	446880.0	3770140.0	304.4	3.49	4.00	
3.25	YES								
L0009022		0	0.31560E-07	446880.1	3770148.6	304.5	3.49	4.00	
3.25	YES								
L0009023		0	0.31560E-07	446880.3	3770157.2	304.6	3.49	4.00	
3.25	YES								
L0009024		0	0.31560E-07	446880.4	3770165.8	304.7	3.49	4.00	
3.25	YES								
L0009025		0	0.31560E-07	446880.6	3770174.4	304.8	3.49	4.00	
3.25	YES								
L0009026		0	0.31560E-07	446880.7	3770183.0	304.9	3.49	4.00	
3.25	YES								
L0009027		0	0.31560E-07	446880.8	3770191.5	305.0	3.49	4.00	
3.25	YES								
L0009028		0	0.31560E-07	446881.0	3770200.1	305.1	3.49	4.00	
3.25	YES								
L0009029		0	0.31560E-07	446881.1	3770208.7	305.2	3.49	4.00	
3.25	YES								
L0009030		0	0.31560E-07	446881.3	3770217.3	305.3	3.49	4.00	
3.25	YES								
L0009031		0	0.31560E-07	446881.4	3770225.9	305.3	3.49	4.00	
3.25	YES								
L0009032		0	0.31560E-07	446881.5	3770234.5	305.4	3.49	4.00	
3.25	YES								
L0009033		0	0.31560E-07	446881.7	3770243.1	305.5	3.49	4.00	
3.25	YES								
L0009034		0	0.31560E-07	446881.8	3770251.7	305.6	3.49	4.00	
3.25	YES								
L0009035		0	0.31560E-07	446882.0	3770260.3	305.7	3.49	4.00	

3.25 YES
 * ** AERMOD - VERSION 18081 *** ** C:\Lakes\AERMOD View\11586 8th and
 Haven\11586 8th and Haven.isc *** 02/06/19
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

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L0009036	0	0.31560E-07	446882.1	3770268.8	305.7	3.49	4.00
3.25 YES							
L0009037	0	0.31560E-07	446882.2	3770277.4	305.8	3.49	4.00
3.25 YES							
L0009038	0	0.31560E-07	446882.4	3770286.0	305.9	3.49	4.00
3.25 YES							
L0009039	0	0.31560E-07	446882.5	3770294.6	306.0	3.49	4.00
3.25 YES							
L0009040	0	0.31560E-07	446882.7	3770303.2	306.1	3.49	4.00
3.25 YES							
L0009041	0	0.31560E-07	446882.8	3770311.8	306.2	3.49	4.00
3.25 YES							
L0009042	0	0.31560E-07	446882.9	3770320.4	306.3	3.49	4.00
3.25 YES							
L0009043	0	0.31560E-07	446883.1	3770329.0	306.4	3.49	4.00
3.25 YES							
L0009044	0	0.31560E-07	446883.2	3770337.6	306.4	3.49	4.00
3.25 YES							
L0009045	0	0.31560E-07	446883.4	3770346.1	306.5	3.49	4.00
3.25 YES							
L0009046	0	0.31560E-07	446883.5	3770354.7	306.6	3.49	4.00
3.25 YES							
L0009047	0	0.31560E-07	446883.6	3770363.3	306.7	3.49	4.00
3.25 YES							
L0009048	0	0.31560E-07	446883.8	3770371.9	306.8	3.49	4.00
3.25 YES							
L0009049	0	0.31560E-07	446883.9	3770380.5	306.9	3.49	4.00
3.25 YES							
L0009050	0	0.31560E-07	446884.1	3770389.1	307.0	3.49	4.00
3.25 YES							
L0009051	0	0.31560E-07	446884.2	3770397.7	307.1	3.49	4.00
3.25 YES							
L0009052	0	0.31560E-07	446884.3	3770406.3	307.2	3.49	4.00
3.25 YES							
L0009053	0	0.31560E-07	446884.5	3770414.9	307.3	3.49	4.00
3.25 YES							
L0009054	0	0.31560E-07	446884.6	3770423.4	307.4	3.49	4.00
3.25 YES							
L0009055	0	0.31560E-07	446884.8	3770432.0	307.6	3.49	4.00
3.25 YES							
L0009056	0	0.31560E-07	446884.9	3770440.6	307.7	3.49	4.00
3.25 YES							
L0009057	0	0.31560E-07	446885.0	3770449.2	307.9	3.49	4.00
3.25 YES							
L0009058	0	0.31560E-07	446885.2	3770457.8	308.0	3.49	4.00

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3.25	YES							
L0009059		0	0.31560E-07	446885.3	3770466.4	308.1	3.49	4.00
3.25	YES							
L0009060		0	0.31560E-07	446885.5	3770475.0	308.2	3.49	4.00
3.25	YES							
L0009061		0	0.31560E-07	446885.6	3770483.6	308.3	3.49	4.00
3.25	YES							
L0009062		0	0.31560E-07	446885.7	3770492.2	308.4	3.49	4.00
3.25	YES							
L0009063		0	0.31560E-07	446885.9	3770500.7	308.4	3.49	4.00
3.25	YES							
L0009064		0	0.31560E-07	446886.0	3770509.3	308.6	3.49	4.00
3.25	YES							
L0009065		0	0.31560E-07	446886.1	3770517.9	308.7	3.49	4.00
3.25	YES							
L0009066		0	0.31560E-07	446886.3	3770526.5	308.9	3.49	4.00
3.25	YES							
L0009067		0	0.31560E-07	446886.4	3770535.1	309.0	3.49	4.00
3.25	YES							
L0009068		0	0.31560E-07	446886.6	3770543.7	309.2	3.49	4.00
3.25	YES							
L0009069		0	0.31560E-07	446886.7	3770552.3	309.2	3.49	4.00
3.25	YES							
L0009070		0	0.31560E-07	446886.8	3770560.9	309.3	3.49	4.00
3.25	YES							
L0009071		0	0.31560E-07	446887.0	3770569.5	309.5	3.49	4.00
3.25	YES							
L0009072		0	0.31560E-07	446887.1	3770578.0	309.6	3.49	4.00
3.25	YES							
L0009073		0	0.31560E-07	446887.3	3770586.6	309.8	3.49	4.00
3.25	YES							
L0009074		0	0.31560E-07	446887.4	3770595.2	310.0	3.49	4.00
3.25	YES							
L0009075		0	0.31560E-07	446887.5	3770603.8	310.1	3.49	4.00

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\11586 8th and
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	EMISSION RATE	BASE	RELEASE	INIT.
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11586 8th and Haven

SOURCE SZ SOURCE ID (METERS)	PART. SCALAR CATS.	(GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)
L0009076	0	0.31560E-07	446887.7	3770612.4	310.1	3.49	4.00
3.25 YES							
L0009077	0	0.31560E-07	446887.8	3770621.0	310.2	3.49	4.00
3.25 YES							
L0009078	0	0.31560E-07	446888.0	3770629.6	310.3	3.49	4.00
3.25 YES							
L0009079	0	0.31560E-07	446888.1	3770638.2	310.4	3.49	4.00
3.25 YES							
L0009080	0	0.31560E-07	446888.2	3770646.8	310.5	3.49	4.00
3.25 YES							
L0009081	0	0.31560E-07	446888.4	3770655.3	310.6	3.49	4.00
3.25 YES							
L0009082	0	0.31560E-07	446888.5	3770663.9	310.7	3.49	4.00
3.25 YES							
L0009083	0	0.31560E-07	446888.7	3770672.5	310.8	3.49	4.00
3.25 YES							
L0009084	0	0.31560E-07	446888.8	3770681.1	310.9	3.49	4.00
3.25 YES							
L0009085	0	0.31560E-07	446888.9	3770689.7	311.0	3.49	4.00
3.25 YES							
L0009086	0	0.31560E-07	446889.1	3770698.3	311.1	3.49	4.00
3.25 YES							
L0009087	0	0.31560E-07	446889.2	3770706.9	311.3	3.49	4.00
3.25 YES							
L0009088	0	0.31560E-07	446889.4	3770715.5	311.5	3.49	4.00
3.25 YES							
L0009089	0	0.31560E-07	446889.5	3770724.1	311.6	3.49	4.00
3.25 YES							
L0009090	0	0.31560E-07	446889.6	3770732.6	311.7	3.49	4.00
3.25 YES							
L0009091	0	0.31560E-07	446889.8	3770741.2	311.8	3.49	4.00
3.25 YES							
L0009092	0	0.31560E-07	446889.9	3770749.8	311.9	3.49	4.00
3.25 YES							
L0009093	0	0.31560E-07	446890.1	3770758.4	312.1	3.49	4.00
3.25 YES							
L0009094	0	0.31560E-07	446890.1	3770767.0	312.2	3.49	4.00
3.25 YES							
L0009095	0	0.31560E-07	446890.1	3770775.6	312.4	3.49	4.00
3.25 YES							
L0009096	0	0.31560E-07	446890.2	3770784.2	312.5	3.49	4.00

11586 8th and Haven

3.25	YES							
L0009097		0	0.31560E-07	446890.2	3770792.8	312.6	3.49	4.00
3.25	YES							
L0009098		0	0.31560E-07	446890.2	3770801.4	312.7	3.49	4.00
3.25	YES							
L0009099		0	0.31560E-07	446890.2	3770809.9	312.8	3.49	4.00
3.25	YES							
L0009100		0	0.31560E-07	446890.2	3770818.5	312.9	3.49	4.00
3.25	YES							
L0009101		0	0.31560E-07	446890.2	3770827.1	312.9	3.49	4.00
3.25	YES							
L0009102		0	0.31560E-07	446890.2	3770835.7	313.0	3.49	4.00
3.25	YES							
L0009103		0	0.31560E-07	446890.2	3770844.3	313.1	3.49	4.00
3.25	YES							
L0009104		0	0.31560E-07	446890.2	3770852.9	313.2	3.49	4.00
3.25	YES							
L0009105		0	0.31560E-07	446890.2	3770861.5	313.3	3.49	4.00
3.25	YES							
L0009106		0	0.31560E-07	446890.3	3770870.1	313.4	3.49	4.00
3.25	YES							
L0009107		0	0.31560E-07	446890.3	3770878.7	313.5	3.49	4.00
3.25	YES							
L0009108		0	0.31560E-07	446890.3	3770887.3	313.6	3.49	4.00
3.25	YES							
L0009109		0	0.31560E-07	446890.3	3770895.8	313.6	3.49	4.00
3.25	YES							
L0009110		0	0.31560E-07	446890.3	3770904.4	313.7	3.49	4.00
3.25	YES							
L0009111		0	0.31560E-07	446890.3	3770913.0	313.8	3.49	4.00
3.25	YES							
L0009112		0	0.31560E-07	446890.3	3770921.6	313.9	3.49	4.00
3.25	YES							
L0009113		0	0.31560E-07	446890.3	3770930.2	314.0	3.49	4.00
3.25	YES							
L0009114		0	0.31560E-07	446890.3	3770938.8	314.1	3.49	4.00
3.25	YES							
L0009115		0	0.31560E-07	446890.3	3770947.4	314.2	3.49	4.00

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\11586 8th and
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

11586 8th and Haven

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.		BY					
L0009116		0	0.31560E-07		446890.3	3770956.0	314.2	3.49	4.00
3.25	YES								
L0009117		0	0.31560E-07		446890.4	3770964.6	314.4	3.49	4.00
3.25	YES								
L0009118		0	0.31560E-07		446890.4	3770973.2	314.6	3.49	4.00
3.25	YES								
L0009119		0	0.31560E-07		446890.4	3770981.7	314.8	3.49	4.00
3.25	YES								
L0009120		0	0.31560E-07		446890.4	3770990.3	314.9	3.49	4.00
3.25	YES								
L0009121		0	0.31560E-07		446890.4	3770998.9	315.0	3.49	4.00
3.25	YES								
L0009122		0	0.31560E-07		446890.4	3771007.5	315.1	3.49	4.00
3.25	YES								
L0009123		0	0.31560E-07		446890.4	3771016.1	315.2	3.49	4.00
3.25	YES								
L0009124		0	0.31560E-07		446890.4	3771024.7	315.3	3.49	4.00
3.25	YES								
L0009125		0	0.31560E-07		446890.4	3771033.3	315.5	3.49	4.00
3.25	YES								
L0009126		0	0.31560E-07		446890.4	3771041.9	315.7	3.49	4.00
3.25	YES								
L0009127		0	0.31560E-07		446890.5	3771050.5	315.9	3.49	4.00
3.25	YES								
L0009128		0	0.31560E-07		446890.5	3771059.1	316.0	3.49	4.00
3.25	YES								
L0009129		0	0.31560E-07		446890.5	3771067.6	316.2	3.49	4.00
3.25	YES								
L0009130		0	0.31560E-07		446890.5	3771076.2	316.4	3.49	4.00
3.25	YES								
L0009131		0	0.31560E-07		446890.5	3771084.8	316.5	3.49	4.00
3.25	YES								
L0009132		0	0.31560E-07		446890.5	3771093.4	316.6	3.49	4.00
3.25	YES								
L0009133		0	0.31560E-07		446890.5	3771102.0	316.6	3.49	4.00
3.25	YES								
L0009134		0	0.31560E-07		446890.5	3771110.6	316.7	3.49	4.00

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3.25	YES							
L0009135		0	0.31560E-07	446890.5	3771119.2	316.8	3.49	4.00
3.25	YES							
L0009136		0	0.31560E-07	446890.5	3771127.8	316.9	3.49	4.00
3.25	YES							
L0009137		0	0.31560E-07	446890.5	3771136.4	317.0	3.49	4.00
3.25	YES							
L0009138		0	0.31560E-07	446890.6	3771145.0	317.2	3.49	4.00
3.25	YES							
L0009139		0	0.31560E-07	446890.6	3771153.5	317.3	3.49	4.00
3.25	YES							
L0009140		0	0.31560E-07	446890.6	3771162.1	317.5	3.49	4.00
3.25	YES							
L0009141		0	0.31560E-07	446890.6	3771170.7	317.6	3.49	4.00
3.25	YES							
L0009142		0	0.31560E-07	446890.6	3771179.3	317.7	3.49	4.00
3.25	YES							
L0009143		0	0.31560E-07	446890.6	3771187.9	317.8	3.49	4.00
3.25	YES							
L0009144		0	0.31560E-07	446890.6	3771196.5	317.9	3.49	4.00
3.25	YES							
L0009145		0	0.31560E-07	446890.6	3771205.1	318.1	3.49	4.00
3.25	YES							
L0009146		0	0.31560E-07	446890.6	3771213.7	318.2	3.49	4.00
3.25	YES							
L0009147		0	0.31560E-07	446890.6	3771222.3	318.4	3.49	4.00
3.25	YES							
L0009148		0	0.31560E-07	446890.7	3771230.9	318.6	3.49	4.00
3.25	YES							
L0009149		0	0.31560E-07	446890.7	3771239.4	318.6	3.49	4.00
3.25	YES							
L0009150		0	0.31560E-07	446890.7	3771248.0	318.7	3.49	4.00
3.25	YES							
L0009151		0	0.31560E-07	446890.7	3771256.6	318.8	3.49	4.00
3.25	YES							
L0009152		0	0.31560E-07	446890.7	3771265.2	319.0	3.49	4.00
3.25	YES							
L0009153		0	0.31560E-07	446890.7	3771273.8	319.2	3.49	4.00
3.25	YES							
L0009154		0	0.31560E-07	446890.7	3771282.4	319.4	3.49	4.00
3.25	YES							
L0009155		0	0.31560E-07	446890.7	3771291.0	319.5	3.49	4.00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0009156		0	0.31560E-07	446890.7	3771299.6	319.7	3.49	4.00	
3.25	YES								
L0009157		0	0.31560E-07	446890.7	3771308.2	319.9	3.49	4.00	
3.25	YES								
L0009158		0	0.31560E-07	446890.7	3771316.8	320.0	3.49	4.00	
3.25	YES								
L0009159		0	0.31560E-07	446890.8	3771325.3	320.1	3.49	4.00	
3.25	YES								
L0009160		0	0.31560E-07	446890.8	3771333.9	320.2	3.49	4.00	
3.25	YES								
L0009161		0	0.31560E-07	446890.8	3771342.5	320.3	3.49	4.00	
3.25	YES								
L0009162		0	0.31560E-07	446890.8	3771351.1	320.4	3.49	4.00	
3.25	YES								
L0009163		0	0.31560E-07	446890.8	3771359.7	320.5	3.49	4.00	
3.25	YES								
L0009164		0	0.31560E-07	446890.8	3771368.3	320.6	3.49	4.00	
3.25	YES								
L0009165		0	0.31560E-07	446890.8	3771376.9	320.7	3.49	4.00	
3.25	YES								
L0009166		0	0.31560E-07	446890.8	3771385.5	320.8	3.49	4.00	
3.25	YES								
L0009167		0	0.31560E-07	446890.8	3771394.1	321.0	3.49	4.00	
3.25	YES								
L0009168		0	0.31560E-07	446890.8	3771402.7	321.2	3.49	4.00	
3.25	YES								
L0009169		0	0.31560E-07	446890.9	3771411.2	321.4	3.49	4.00	
3.25	YES								
L0009170		0	0.31560E-07	446890.8	3771419.8	321.5	3.49	4.00	
3.25	YES								
L0009171		0	0.31560E-07	446890.8	3771428.4	321.7	3.49	4.00	
3.25	YES								
L0009172		0	0.31560E-07	446890.8	3771437.0	321.9	3.49	4.00	

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3.25	YES							
L0009173		0	0.31560E-07	446890.7	3771445.6	322.1	3.49	4.00
3.25	YES							
L0009174		0	0.31560E-07	446890.7	3771454.2	322.2	3.49	4.00
3.25	YES							
L0009175		0	0.31560E-07	446890.7	3771462.8	322.4	3.49	4.00
3.25	YES							
L0009176		0	0.31560E-07	446890.6	3771471.4	322.6	3.49	4.00
3.25	YES							
L0009177		0	0.31560E-07	446890.6	3771480.0	322.8	3.49	4.00
3.25	YES							
L0009178		0	0.31560E-07	446890.6	3771488.6	322.9	3.49	4.00
3.25	YES							
L0009179		0	0.31560E-07	446890.6	3771497.1	323.1	3.49	4.00
3.25	YES							
L0009180		0	0.31560E-07	446890.5	3771505.7	323.2	3.49	4.00
3.25	YES							
L0009181		0	0.31560E-07	446890.5	3771514.3	323.3	3.49	4.00
3.25	YES							
L0009182		0	0.31560E-07	446890.5	3771522.9	323.4	3.49	4.00
3.25	YES							
L0009183		0	0.31560E-07	446890.4	3771531.5	323.4	3.49	4.00
3.25	YES							
L0009184		0	0.31560E-07	446890.4	3771540.1	323.5	3.49	4.00
3.25	YES							
L0009185		0	0.31560E-07	446890.4	3771548.7	323.6	3.49	4.00
3.25	YES							
L0009186		0	0.31560E-07	446890.3	3771557.3	323.7	3.49	4.00
3.25	YES							
L0009187		0	0.31560E-07	446890.3	3771565.9	323.9	3.49	4.00
3.25	YES							
L0009188		0	0.31560E-07	446890.3	3771574.5	324.1	3.49	4.00
3.25	YES							
L0009189		0	0.31560E-07	446890.2	3771583.0	324.2	3.49	4.00
3.25	YES							
L0009190		0	0.31560E-07	446890.2	3771591.6	324.4	3.49	4.00
3.25	YES							
L0009191		0	0.31560E-07	446890.2	3771600.2	324.4	3.49	4.00
3.25	YES							
L0009192		0	0.31560E-07	446890.1	3771608.8	324.5	3.49	4.00
3.25	YES							
L0009193		0	0.31560E-07	446890.1	3771617.4	324.6	3.49	4.00
3.25	YES							
L0009194		0	0.31560E-07	446890.1	3771626.0	324.8	3.49	4.00
3.25	YES							
L0009195		0	0.31560E-07	446890.0	3771634.6	325.0	3.49	4.00

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 *** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY
ID		SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0009196		0	0.31560E-07	446890.1	3771643.2	325.2	3.49	4.00	
3.25	YES								
L0009197		0	0.31560E-07	446890.1	3771651.8	325.3	3.49	4.00	
3.25	YES								
L0009198		0	0.31560E-07	446890.2	3771660.4	325.4	3.49	4.00	
3.25	YES								
L0009199		0	0.31560E-07	446890.3	3771668.9	325.4	3.49	4.00	
3.25	YES								
L0009200		0	0.31560E-07	446890.3	3771677.5	325.6	3.49	4.00	
3.25	YES								
L0009201		0	0.31560E-07	446890.4	3771686.1	325.7	3.49	4.00	
3.25	YES								
L0009202		0	0.31560E-07	446890.5	3771694.7	325.9	3.49	4.00	
3.25	YES								
L0009203		0	0.31560E-07	446890.5	3771703.3	326.1	3.49	4.00	
3.25	YES								
L0009204		0	0.31560E-07	446890.6	3771711.9	326.2	3.49	4.00	
3.25	YES								
L0009205		0	0.31560E-07	446890.6	3771720.5	326.3	3.49	4.00	
3.25	YES								
L0009206		0	0.31560E-07	446890.7	3771729.1	326.4	3.49	4.00	
3.25	YES								
L0009207		0	0.31560E-07	446890.8	3771737.7	326.5	3.49	4.00	
3.25	YES								
L0009208		0	0.31560E-07	446890.8	3771746.3	326.6	3.49	4.00	
3.25	YES								
L0009209		0	0.31560E-07	446890.9	3771754.8	326.8	3.49	4.00	
3.25	YES								
L0009210		0	0.31560E-07	446891.0	3771763.4	327.0	3.49	4.00	

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3.25	YES							
L0009211		0	0.31560E-07	446891.0	3771772.0	327.2	3.49	4.00
3.25	YES							
L0009212		0	0.31560E-07	446891.1	3771780.6	327.3	3.49	4.00
3.25	YES							
L0009213		0	0.31560E-07	446891.1	3771789.2	327.5	3.49	4.00
3.25	YES							
L0009214		0	0.31560E-07	446891.2	3771797.8	327.7	3.49	4.00
3.25	YES							
L0009215		0	0.31560E-07	446891.3	3771806.4	327.9	3.49	4.00
3.25	YES							
L0009216		0	0.31560E-07	446891.3	3771815.0	328.0	3.49	4.00
3.25	YES							
L0009217		0	0.31560E-07	446891.4	3771823.6	328.2	3.49	4.00
3.25	YES							
L0009218		0	0.31560E-07	446891.5	3771832.1	328.3	3.49	4.00
3.25	YES							
L0009219		0	0.31560E-07	446891.5	3771840.7	328.4	3.49	4.00
3.25	YES							
L0009220		0	0.31560E-07	446891.6	3771849.3	328.5	3.49	4.00
3.25	YES							
L0009221		0	0.31560E-07	446891.6	3771857.9	328.6	3.49	4.00
3.25	YES							
L0009222		0	0.31560E-07	446891.7	3771866.5	328.8	3.49	4.00
3.25	YES							
L0009223		0	0.31560E-07	446891.8	3771875.1	329.0	3.49	4.00
3.25	YES							
L0009224		0	0.31560E-07	446891.8	3771883.7	329.1	3.49	4.00
3.25	YES							
L0009225		0	0.31560E-07	446891.9	3771892.3	329.3	3.49	4.00
3.25	YES							
L0009226		0	0.31560E-07	446892.0	3771900.9	329.5	3.49	4.00
3.25	YES							
L0009227		0	0.31560E-07	446892.0	3771909.5	329.7	3.49	4.00
3.25	YES							
L0009228		0	0.31560E-07	446892.1	3771918.0	329.8	3.49	4.00
3.25	YES							
L0009229		0	0.31560E-07	446892.1	3771926.6	330.0	3.49	4.00
3.25	YES							
L0009230		0	0.31560E-07	446892.2	3771935.2	330.2	3.49	4.00
3.25	YES							
L0009231		0	0.31560E-07	446892.3	3771943.8	330.3	3.49	4.00
3.25	YES							
L0009232		0	0.31560E-07	446892.3	3771952.4	330.5	3.49	4.00
3.25	YES							
L0009233		0	0.31560E-07	446892.4	3771961.0	330.7	3.49	4.00
3.25	YES							
L0009234		0	0.31560E-07	446892.5	3771969.6	330.8	3.49	4.00

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3.25 YES
 L0009235 0 0.31560E-07 446892.5 3771978.2 331.0 3.49 4.00

3.25 YES
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0009236	0	0.31560E-07	446892.6	3771986.8	331.1	3.49	4.00
3.25 YES							
L0009237	0	0.31560E-07	446892.6	3771995.4	331.2	3.49	4.00
3.25 YES							
L0009238	0	0.31560E-07	446892.7	3772003.9	331.3	3.49	4.00
3.25 YES							
L0009239	0	0.31560E-07	446892.8	3772012.5	331.4	3.49	4.00
3.25 YES							
L0009240	0	0.31560E-07	446892.8	3772021.1	331.4	3.49	4.00
3.25 YES							
L0009241	0	0.31560E-07	446892.9	3772029.7	331.6	3.49	4.00
3.25 YES							
L0009242	0	0.31560E-07	446893.0	3772038.3	331.7	3.49	4.00
3.25 YES							
L0009243	0	0.31560E-07	446893.0	3772046.9	331.8	3.49	4.00
3.25 YES							
L0009244	0	0.31560E-07	446893.1	3772055.5	332.0	3.49	4.00
3.25 YES							
L0009245	0	0.31560E-07	446893.1	3772064.1	332.2	3.49	4.00
3.25 YES							
L0009246	0	0.31560E-07	446893.2	3772072.7	332.3	3.49	4.00
3.25 YES							
L0009247	0	0.31560E-07	446893.3	3772081.3	332.4	3.49	4.00
3.25 YES							
L0009248	0	0.31560E-07	446893.3	3772089.8	332.5	3.49	4.00

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3.25	YES							
L0009249		0	0.31560E-07	446893.4	3772098.4	332.6	3.49	4.00
3.25	YES							
L0009250		0	0.31560E-07	446893.5	3772107.0	332.7	3.49	4.00
3.25	YES							
L0009251		0	0.31560E-07	446893.5	3772115.6	332.9	3.49	4.00
3.25	YES							
L0009252		0	0.31560E-07	446886.1	3772116.8	333.0	3.49	4.00
3.25	YES							
L0009253		0	0.31560E-07	446877.5	3772116.9	333.0	3.49	4.00
3.25	YES							
L0009254		0	0.31560E-07	446868.9	3772116.9	333.0	3.49	4.00
3.25	YES							
L0009255		0	0.31560E-07	446860.3	3772117.0	333.1	3.49	4.00
3.25	YES							
L0009256		0	0.31560E-07	446851.7	3772117.1	333.1	3.49	4.00
3.25	YES							
L0009257		0	0.31560E-07	446843.1	3772117.1	333.1	3.49	4.00
3.25	YES							
L0009258		0	0.31560E-07	446834.5	3772117.2	333.1	3.49	4.00
3.25	YES							
L0009259		0	0.31560E-07	446825.9	3772117.3	333.1	3.49	4.00
3.25	YES							
L0009260		0	0.31560E-07	446817.3	3772117.3	333.1	3.49	4.00
3.25	YES							
L0009261		0	0.31560E-07	446808.8	3772117.4	333.1	3.49	4.00
3.25	YES							
L0009262		0	0.31560E-07	446800.2	3772117.5	333.1	3.49	4.00
3.25	YES							
L0009263		0	0.31560E-07	446791.6	3772117.5	333.1	3.49	4.00
3.25	YES							
L0009264		0	0.31560E-07	446783.0	3772117.6	333.1	3.49	4.00
3.25	YES							
L0009265		0	0.31560E-07	446774.4	3772117.7	333.1	3.49	4.00
3.25	YES							
L0009266		0	0.31560E-07	446765.8	3772117.7	333.1	3.49	4.00
3.25	YES							
L0009267		0	0.31560E-07	446757.2	3772117.8	333.1	3.49	4.00
3.25	YES							
L0009268		0	0.31560E-07	446748.6	3772117.9	333.1	3.49	4.00
3.25	YES							
L0009269		0	0.31560E-07	446740.0	3772117.9	333.1	3.49	4.00
3.25	YES							
L0009270		0	0.31560E-07	446731.5	3772118.0	333.1	3.49	4.00
3.25	YES							
L0009271		0	0.31560E-07	446722.9	3772118.1	333.1	3.49	4.00
3.25	YES							
L0009272		0	0.31560E-07	446714.3	3772118.1	333.1	3.49	4.00

11586 8th and Haven

3.25 YES
 L0009273 0 0.31560E-07 446705.7 3772118.2 333.1 3.49 4.00
 3.25 YES
 L0009274 0 0.31560E-07 446697.1 3772118.3 333.1 3.49 4.00
 3.25 YES
 L0009275 0 0.31560E-07 446688.5 3772118.3 333.1 3.49 4.00
 3.25 YES

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\11586 8th and
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0009276		0	0.31560E-07	446679.9	3772118.4	333.1	3.49	4.00
3.25	YES							
L0009277		0	0.31560E-07	446671.3	3772118.5	333.1	3.49	4.00
3.25	YES							
L0009278		0	0.31560E-07	446662.7	3772118.5	333.1	3.49	4.00
3.25	YES							
L0009279		0	0.31560E-07	446654.1	3772118.6	333.1	3.49	4.00
3.25	YES							
L0009280		0	0.31560E-07	446645.6	3772118.7	333.1	3.49	4.00
3.25	YES							
L0009281		0	0.31560E-07	446637.0	3772118.7	333.1	3.49	4.00
3.25	YES							
L0009282		0	0.31560E-07	446628.4	3772118.8	333.1	3.49	4.00
3.25	YES							
L0009283		0	0.31560E-07	446619.8	3772118.9	333.1	3.49	4.00
3.25	YES							
L0009284		0	0.31560E-07	446611.2	3772119.0	333.1	3.49	4.00
3.25	YES							
L0009285		0	0.31560E-07	446602.6	3772119.0	333.0	3.49	4.00
3.25	YES							
L0009286		0	0.31560E-07	446594.0	3772119.0	333.0	3.49	4.00

11586 8th and Haven

3.25	YES							
L0009287		0	0.31560E-07	446585.4	3772119.1	333.0	3.49	4.00
3.25	YES							
L0009288		0	0.31560E-07	446576.8	3772119.1	332.9	3.49	4.00
3.25	YES							
L0009289		0	0.31560E-07	446568.2	3772119.2	332.8	3.49	4.00
3.25	YES							
L0009290		0	0.31560E-07	446559.7	3772119.2	332.8	3.49	4.00
3.25	YES							
L0009291		0	0.31560E-07	446551.1	3772119.3	332.8	3.49	4.00
3.25	YES							
L0009292		0	0.31560E-07	446542.5	3772119.3	332.7	3.49	4.00
3.25	YES							
L0009293		0	0.31560E-07	446533.9	3772119.4	332.7	3.49	4.00
3.25	YES							
L0009294		0	0.31560E-07	446525.3	3772119.4	332.7	3.49	4.00
3.25	YES							
L0009295		0	0.31560E-07	446516.7	3772119.5	332.8	3.49	4.00
3.25	YES							
L0009296		0	0.31560E-07	446508.1	3772119.5	332.9	3.49	4.00
3.25	YES							
L0009297		0	0.31560E-07	446499.5	3772119.6	333.0	3.49	4.00
3.25	YES							
L0009298		0	0.31560E-07	446490.9	3772119.6	333.0	3.49	4.00
3.25	YES							
L0009299		0	0.31560E-07	446482.3	3772119.6	333.0	3.49	4.00
3.25	YES							
L0009300		0	0.31560E-07	446473.8	3772119.7	333.0	3.49	4.00
3.25	YES							
L0009301		0	0.31560E-07	446469.4	3772123.9	333.1	3.49	4.00
3.25	YES							
L0009302		0	0.31560E-07	446469.4	3772132.5	333.3	3.49	4.00
3.25	YES							
L0009303		0	0.31560E-07	446469.4	3772141.1	333.4	3.49	4.00
3.25	YES							
L0009304		0	0.31560E-07	446469.3	3772149.7	333.6	3.49	4.00
3.25	YES							
L0009305		0	0.31560E-07	446469.3	3772158.3	333.8	3.49	4.00
3.25	YES							
L0009306		0	0.31560E-07	446469.3	3772166.9	334.0	3.49	4.00
3.25	YES							
L0009307		0	0.31560E-07	446469.3	3772175.5	334.1	3.49	4.00
3.25	YES							
L0009308		0	0.31560E-07	446469.3	3772184.0	334.3	3.49	4.00
3.25	YES							
L0009309		0	0.31560E-07	446469.3	3772192.6	334.4	3.49	4.00
3.25	YES							
L0009310		0	0.31560E-07	446469.3	3772201.2	334.5	3.49	4.00

11586 8th and Haven

3.25	YES	L0009311	0	0.31560E-07	446469.3	3772209.8	334.6	3.49	4.00
3.25	YES	L0009312	0	0.31560E-07	446469.3	3772218.4	334.7	3.49	4.00
3.25	YES	L0009313	0	0.31560E-07	446469.2	3772227.0	334.9	3.49	4.00
3.25	YES	L0009314	0	0.31560E-07	446469.2	3772235.6	335.1	3.49	4.00
3.25	YES	L0009315	0	0.31560E-07	446469.2	3772244.2	335.2	3.49	4.00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SOURCE	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0009316		0	0.31560E-07	446469.2	3772252.8	335.4	3.49	4.00	
3.25	YES	L0009317	0	0.31560E-07	446469.2	3772261.4	335.6	3.49	4.00
3.25	YES	L0009318	0	0.31560E-07	446469.2	3772269.9	335.8	3.49	4.00
3.25	YES	L0009319	0	0.31560E-07	446469.2	3772278.5	335.9	3.49	4.00
3.25	YES	L0009320	0	0.31560E-07	446469.2	3772287.1	336.0	3.49	4.00
3.25	YES	L0009321	0	0.31560E-07	446469.1	3772295.7	336.1	3.49	4.00
3.25	YES	L0009322	0	0.31560E-07	446469.1	3772304.3	336.2	3.49	4.00
3.25	YES	L0009323	0	0.31560E-07	446469.1	3772312.9	336.3	3.49	4.00
3.25	YES	L0009324	0	0.31560E-07	446469.1	3772321.5	336.5	3.49	4.00

11586 8th and Haven

3.25	YES							
L0009325		0	0.31560E-07	446469.1	3772330.1	336.7	3.49	4.00
3.25	YES							
L0009326		0	0.31560E-07	446469.1	3772338.7	336.8	3.49	4.00
3.25	YES							
L0009327		0	0.31560E-07	446469.1	3772347.3	336.9	3.49	4.00
3.25	YES							
L0009328		0	0.31560E-07	446469.1	3772355.8	337.0	3.49	4.00
3.25	YES							
L0009329		0	0.31560E-07	446469.0	3772364.4	337.1	3.49	4.00
3.25	YES							
L0009330		0	0.31560E-07	446469.0	3772373.0	337.2	3.49	4.00
3.25	YES							
L0009331		0	0.31560E-07	446469.0	3772381.6	337.4	3.49	4.00
3.25	YES							
L0009332		0	0.31560E-07	446469.0	3772390.2	337.6	3.49	4.00
3.25	YES							
L0009333		0	0.31560E-07	446469.0	3772398.8	337.7	3.49	4.00
3.25	YES							
L0009334		0	0.31560E-07	446469.0	3772407.4	337.8	3.49	4.00
3.25	YES							
L0009335		0	0.31560E-07	446469.0	3772416.0	337.9	3.49	4.00
3.25	YES							
L0009336		0	0.31560E-07	446469.0	3772424.6	338.0	3.49	4.00
3.25	YES							
L0009337		0	0.31560E-07	446468.9	3772433.2	338.2	3.49	4.00
3.25	YES							
L0009338		0	0.31560E-07	446468.9	3772441.7	338.3	3.49	4.00
3.25	YES							
L0009339		0	0.31560E-07	446468.9	3772450.3	338.5	3.49	4.00
3.25	YES							
L0009340		0	0.31560E-07	446468.9	3772458.9	338.7	3.49	4.00
3.25	YES							
L0009341		0	0.31560E-07	446474.4	3772462.0	338.7	3.49	4.00
3.25	YES							
L0009342		0	0.31560E-07	446483.0	3772462.0	338.7	3.49	4.00
3.25	YES							
L0009343		0	0.31560E-07	446491.5	3772462.0	338.7	3.49	4.00
3.25	YES							
L0009344		0	0.31560E-07	446500.1	3772461.9	338.8	3.49	4.00
3.25	YES							
L0009345		0	0.31560E-07	446508.7	3772461.9	338.8	3.49	4.00
3.25	YES							
L0009346		0	0.31560E-07	446517.3	3772461.9	338.7	3.49	4.00
3.25	YES							
L0009347		0	0.31560E-07	446525.9	3772461.8	338.7	3.49	4.00
3.25	YES							
L0009348		0	0.31560E-07	446534.5	3772461.8	338.8	3.49	4.00

11586 8th and Haven

3.25	YES							
L0009349		0	0.31560E-07	446543.1	3772461.8	338.9	3.49	4.00
3.25	YES							
L0009350		0	0.31560E-07	446551.7	3772461.7	338.9	3.49	4.00
3.25	YES							
L0009351		0	0.31560E-07	446560.3	3772461.7	339.0	3.49	4.00
3.25	YES							
L0009352		0	0.31560E-07	446568.9	3772461.6	339.0	3.49	4.00
3.25	YES							
L0009353		0	0.31560E-07	446577.4	3772461.6	339.0	3.49	4.00
3.25	YES							
L0009354		0	0.31560E-07	446586.0	3772461.6	339.0	3.49	4.00
3.25	YES							
L0009355		0	0.31560E-07	446594.6	3772461.5	339.0	3.49	4.00

3.25 YES
▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\11586 8th and
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID		PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					
L0009356		0	0.31560E-07	446603.2	3772461.5	339.0	3.49	4.00
3.25	YES							
L0009357		0	0.31560E-07	446611.8	3772461.5	339.0	3.49	4.00
3.25	YES							
L0009358		0	0.31560E-07	446620.4	3772461.4	339.0	3.49	4.00
3.25	YES							
L0009359		0	0.31560E-07	446629.0	3772461.4	339.0	3.49	4.00
3.25	YES							
L0009360		0	0.31560E-07	446637.6	3772461.4	339.0	3.49	4.00
3.25	YES							
L0009361		0	0.31560E-07	446646.2	3772461.4	339.0	3.49	4.00
3.25	YES							
L0009362		0	0.31560E-07	446654.8	3772461.4	339.0	3.49	4.00

11586 8th and Haven

3.25	YES							
L0009363		0	0.31560E-07	446663.3	3772461.5	339.0	3.49	4.00
3.25	YES							
L0009364		0	0.31560E-07	446671.9	3772461.6	339.0	3.49	4.00
3.25	YES							
L0009365		0	0.31560E-07	446680.5	3772461.6	339.0	3.49	4.00
3.25	YES							
L0009366		0	0.31560E-07	446689.1	3772461.7	339.1	3.49	4.00
3.25	YES							
L0009367		0	0.31560E-07	446697.7	3772461.8	339.1	3.49	4.00
3.25	YES							
L0009368		0	0.31560E-07	446706.3	3772461.8	339.1	3.49	4.00
3.25	YES							
L0009369		0	0.31560E-07	446714.9	3772461.9	339.1	3.49	4.00
3.25	YES							
L0009370		0	0.31560E-07	446723.5	3772462.0	339.1	3.49	4.00
3.25	YES							
L0009371		0	0.31560E-07	446732.1	3772462.0	339.1	3.49	4.00
3.25	YES							
L0009372		0	0.31560E-07	446740.6	3772462.1	339.1	3.49	4.00
3.25	YES							
L0009373		0	0.31560E-07	446749.2	3772462.2	339.1	3.49	4.00
3.25	YES							
L0009374		0	0.31560E-07	446757.8	3772462.2	339.1	3.49	4.00
3.25	YES							
L0009375		0	0.31560E-07	446766.4	3772462.3	339.1	3.49	4.00
3.25	YES							
L0009376		0	0.31560E-07	446775.0	3772462.4	339.0	3.49	4.00
3.25	YES							
L0009377		0	0.31560E-07	446783.6	3772462.4	338.9	3.49	4.00
3.25	YES							
L0009378		0	0.31560E-07	446792.2	3772462.5	338.9	3.49	4.00
3.25	YES							
L0009379		0	0.31560E-07	446800.8	3772462.6	338.8	3.49	4.00
3.25	YES							
L0009380		0	0.31560E-07	446809.4	3772462.6	338.8	3.49	4.00
3.25	YES							
L0009381		0	0.31560E-07	446818.0	3772462.7	338.8	3.49	4.00
3.25	YES							
L0009382		0	0.31560E-07	446826.5	3772462.3	338.8	3.49	4.00
3.25	YES							
L0009383		0	0.31560E-07	446834.9	3772460.4	338.7	3.49	4.00
3.25	YES							
L0009384		0	0.31560E-07	446841.0	3772456.2	338.6	3.49	4.00
3.25	YES							
L0009385		0	0.31560E-07	446843.3	3772447.9	338.5	3.49	4.00
3.25	YES							
L0009386		0	0.31560E-07	446843.9	3772439.4	338.3	3.49	4.00

11586 8th and Haven

3.25	YES	L0009387	0	0.31560E-07	446844.2	3772430.8	338.1	3.49	4.00
3.25	YES	L0009388	0	0.31560E-07	446844.4	3772422.2	338.0	3.49	4.00
3.25	YES	L0009389	0	0.31560E-07	446844.6	3772413.6	337.8	3.49	4.00
3.25	YES	L0009390	0	0.31560E-07	446844.9	3772405.0	337.7	3.49	4.00
3.25	YES	L0009391	0	0.31560E-07	446845.1	3772396.5	337.6	3.49	4.00
3.25	YES	L0009392	0	0.31560E-07	446845.2	3772387.9	337.4	3.49	4.00
3.25	YES	L0009393	0	0.31560E-07	446845.2	3772379.3	337.3	3.49	4.00
3.25	YES	L0009394	0	0.31560E-07	446845.3	3772370.7	337.2	3.49	4.00
3.25	YES	L0009395	0	0.31560E-07	446845.4	3772362.1	337.0	3.49	4.00
3.25	YES								

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0009396		0	0.31560E-07	446845.4	3772353.5	336.9	3.49	4.00	
3.25	YES								
L0009397		0	0.31560E-07	446845.5	3772344.9	336.7	3.49	4.00	
3.25	YES								
L0009398		0	0.31560E-07	446845.5	3772336.3	336.5	3.49	4.00	
3.25	YES								
L0009399		0	0.31560E-07	446845.6	3772327.7	336.4	3.49	4.00	
3.25	YES								
L0009400		0	0.31560E-07	446845.6	3772319.2	336.2	3.49	4.00	

11586 8th and Haven

3.25	YES							
L0009401		0	0.31560E-07	446845.7	3772310.6	336.1	3.49	4.00
3.25	YES							
L0009402		0	0.31560E-07	446845.8	3772302.0	336.0	3.49	4.00
3.25	YES							
L0009403		0	0.31560E-07	446845.8	3772293.4	335.8	3.49	4.00
3.25	YES							
L0009404		0	0.31560E-07	446843.3	3772287.4	335.8	3.49	4.00
3.25	YES							
L0009405		0	0.31560E-07	446834.7	3772287.4	335.8	3.49	4.00
3.25	YES							
L0009406		0	0.31590E-07	446853.8	3769641.9	301.3	3.49	4.00
3.25	YES							
L0009407		0	0.31590E-07	446853.8	3769650.4	301.3	3.49	4.00
3.25	YES							
L0009408		0	0.31590E-07	446853.9	3769659.0	301.3	3.49	4.00
3.25	YES							
L0009409		0	0.31590E-07	446854.0	3769667.6	301.4	3.49	4.00
3.25	YES							
L0009410		0	0.31590E-07	446854.0	3769676.2	301.2	3.49	4.00
3.25	YES							
L0009411		0	0.31590E-07	446854.1	3769684.8	301.1	3.49	4.00
3.25	YES							
L0009412		0	0.31590E-07	446854.2	3769693.4	301.0	3.49	4.00
3.25	YES							
L0009413		0	0.31590E-07	446854.2	3769702.0	301.6	3.49	4.00
3.25	YES							
L0009414		0	0.31590E-07	446854.3	3769710.6	302.6	3.49	4.00
3.25	YES							
L0009415		0	0.31590E-07	446854.4	3769719.2	303.5	3.49	4.00
3.25	YES							
L0009416		0	0.31590E-07	446854.4	3769727.8	304.3	3.49	4.00
3.25	YES							
L0009417		0	0.31590E-07	446854.5	3769736.3	304.4	3.49	4.00
3.25	YES							
L0009418		0	0.31590E-07	446854.5	3769744.9	304.4	3.49	4.00
3.25	YES							
L0009419		0	0.31590E-07	446854.6	3769753.5	304.4	3.49	4.00
3.25	YES							
L0009420		0	0.31590E-07	446854.7	3769762.1	303.5	3.49	4.00
3.25	YES							
L0009421		0	0.31590E-07	446854.7	3769770.7	302.1	3.49	4.00
3.25	YES							
L0009422		0	0.31590E-07	446854.7	3769779.3	300.7	3.49	4.00
3.25	YES							
L0009423		0	0.31590E-07	446854.7	3769787.9	299.8	3.49	4.00
3.25	YES							
L0009424		0	0.31590E-07	446854.6	3769796.5	301.3	3.49	4.00

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3.25	YES	L0009425	0	0.31590E-07	446854.6	3769805.1	302.8	3.49	4.00
3.25	YES	L0009426	0	0.31590E-07	446854.6	3769813.6	304.2	3.49	4.00
3.25	YES	L0009427	0	0.31590E-07	446854.5	3769822.2	304.7	3.49	4.00
3.25	YES	L0009428	0	0.31590E-07	446854.5	3769830.8	304.7	3.49	4.00
3.25	YES	L0009429	0	0.31590E-07	446854.5	3769839.4	304.7	3.49	4.00
3.25	YES	L0009430	0	0.31590E-07	446854.4	3769848.0	304.7	3.49	4.00
3.25	YES	L0009431	0	0.31590E-07	446854.4	3769856.6	304.7	3.49	4.00
3.25	YES	L0009432	0	0.31590E-07	446854.4	3769865.2	304.6	3.49	4.00
3.25	YES	L0009433	0	0.31590E-07	446854.3	3769873.8	304.5	3.49	4.00
3.25	YES	L0009434	0	0.31590E-07	446854.3	3769882.4	303.9	3.49	4.00
3.25	YES	L0009435	0	0.31590E-07	446854.3	3769891.0	303.2	3.49	4.00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY							
L0009436	0	0.31590E-07	446854.4	3769899.5	302.4	3.49	4.00		
3.25	YES	L0009437	0	0.31590E-07	446854.6	3769908.1	301.8	3.49	4.00
3.25	YES	L0009438	0	0.31590E-07	446854.9	3769916.7	301.8	3.49	4.00

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3.25	YES							
L0009439		0	0.31590E-07	446855.1	3769925.3	301.8	3.49	4.00
3.25	YES							
L0009440		0	0.31590E-07	446855.3	3769933.9	301.8	3.49	4.00
3.25	YES							
L0009441		0	0.31590E-07	446855.6	3769942.5	301.8	3.49	4.00
3.25	YES							
L0009442		0	0.31590E-07	446855.8	3769951.1	301.9	3.49	4.00
3.25	YES							
L0009443		0	0.31590E-07	446856.1	3769959.7	302.0	3.49	4.00
3.25	YES							
L0009444		0	0.31590E-07	446856.3	3769968.2	302.0	3.49	4.00
3.25	YES							
L0009445		0	0.31590E-07	446856.6	3769976.8	301.9	3.49	4.00
3.25	YES							
L0009446		0	0.31590E-07	446856.8	3769985.4	301.9	3.49	4.00
3.25	YES							
L0009447		0	0.31590E-07	446857.0	3769994.0	301.8	3.49	4.00
3.25	YES							
L0009448		0	0.31590E-07	446857.3	3770002.6	301.9	3.49	4.00
3.25	YES							
L0009449		0	0.31590E-07	446857.4	3770011.2	302.1	3.49	4.00
3.25	YES							
L0009450		0	0.31590E-07	446857.5	3770019.8	302.2	3.49	4.00
3.25	YES							
L0009451		0	0.31590E-07	446857.7	3770028.4	302.4	3.49	4.00
3.25	YES							
L0009452		0	0.31590E-07	446857.8	3770036.9	302.6	3.49	4.00
3.25	YES							
L0009453		0	0.31590E-07	446858.0	3770045.5	302.8	3.49	4.00
3.25	YES							
L0009454		0	0.31590E-07	446858.1	3770054.1	302.9	3.49	4.00
3.25	YES							
L0009455		0	0.31590E-07	446858.2	3770062.7	303.1	3.49	4.00
3.25	YES							
L0009456		0	0.31590E-07	446858.4	3770071.3	303.3	3.49	4.00
3.25	YES							
L0009457		0	0.31590E-07	446858.5	3770079.9	303.4	3.49	4.00
3.25	YES							
L0009458		0	0.31590E-07	446858.7	3770088.5	303.6	3.49	4.00
3.25	YES							
L0009459		0	0.31590E-07	446858.8	3770097.1	303.8	3.49	4.00
3.25	YES							
L0009460		0	0.31590E-07	446858.9	3770105.7	304.0	3.49	4.00
3.25	YES							
L0009461		0	0.31590E-07	446859.1	3770114.2	304.2	3.49	4.00
3.25	YES							
L0009462		0	0.31590E-07	446859.2	3770122.8	304.3	3.49	4.00

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3.25	YES							
L0009463		0	0.31590E-07	446859.4	3770131.4	304.3	3.49	4.00
3.25	YES							
L0009464		0	0.31590E-07	446859.5	3770140.0	304.4	3.49	4.00
3.25	YES							
L0009465		0	0.31590E-07	446859.6	3770148.6	304.5	3.49	4.00
3.25	YES							
L0009466		0	0.31590E-07	446859.8	3770157.2	304.6	3.49	4.00
3.25	YES							
L0009467		0	0.31590E-07	446859.9	3770165.8	304.7	3.49	4.00
3.25	YES							
L0009468		0	0.31590E-07	446860.1	3770174.4	304.8	3.49	4.00
3.25	YES							
L0009469		0	0.31590E-07	446860.2	3770183.0	304.9	3.49	4.00
3.25	YES							
L0009470		0	0.31590E-07	446860.3	3770191.5	305.1	3.49	4.00
3.25	YES							
L0009471		0	0.31590E-07	446860.5	3770200.1	305.3	3.49	4.00
3.25	YES							
L0009472		0	0.31590E-07	446860.6	3770208.7	305.4	3.49	4.00
3.25	YES							
L0009473		0	0.31590E-07	446860.8	3770217.3	305.4	3.49	4.00
3.25	YES							
L0009474		0	0.31590E-07	446860.9	3770225.9	305.4	3.49	4.00
3.25	YES							
L0009475		0	0.31590E-07	446861.0	3770234.5	305.4	3.49	4.00
3.25	YES							

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY		X	Y	(METERS)	(METERS)
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						
L0009476		0	0.31590E-07	446861.2	3770243.1	305.5	3.49	4.00

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3.25	YES							
L0009477		0	0.31590E-07	446861.3	3770251.7	305.6	3.49	4.00
3.25	YES							
L0009478		0	0.31590E-07	446861.5	3770260.3	305.7	3.49	4.00
3.25	YES							
L0009479		0	0.31590E-07	446861.6	3770268.8	305.7	3.49	4.00
3.25	YES							
L0009480		0	0.31590E-07	446861.7	3770277.4	305.8	3.49	4.00
3.25	YES							
L0009481		0	0.31590E-07	446861.9	3770286.0	305.9	3.49	4.00
3.25	YES							
L0009482		0	0.31590E-07	446862.0	3770294.6	306.0	3.49	4.00
3.25	YES							
L0009483		0	0.31590E-07	446862.1	3770303.2	306.1	3.49	4.00
3.25	YES							
L0009484		0	0.31590E-07	446862.3	3770311.8	306.2	3.49	4.00
3.25	YES							
L0009485		0	0.31590E-07	446862.4	3770320.4	306.3	3.49	4.00
3.25	YES							
L0009486		0	0.31590E-07	446862.6	3770329.0	306.4	3.49	4.00
3.25	YES							
L0009487		0	0.31590E-07	446862.7	3770337.6	306.4	3.49	4.00
3.25	YES							
L0009488		0	0.31590E-07	446862.8	3770346.1	306.5	3.49	4.00
3.25	YES							
L0009489		0	0.31590E-07	446863.0	3770354.7	306.6	3.49	4.00
3.25	YES							
L0009490		0	0.31590E-07	446863.1	3770363.3	306.8	3.49	4.00
3.25	YES							
L0009491		0	0.31590E-07	446863.3	3770371.9	306.9	3.49	4.00
3.25	YES							
L0009492		0	0.31590E-07	446863.4	3770380.5	307.1	3.49	4.00
3.25	YES							
L0009493		0	0.31590E-07	446863.5	3770389.1	307.2	3.49	4.00
3.25	YES							
L0009494		0	0.31590E-07	446863.7	3770397.7	307.3	3.49	4.00
3.25	YES							
L0009495		0	0.31590E-07	446863.8	3770406.3	307.4	3.49	4.00
3.25	YES							
L0009496		0	0.31590E-07	446864.0	3770414.9	307.5	3.49	4.00
3.25	YES							
L0009497		0	0.31590E-07	446864.1	3770423.4	307.6	3.49	4.00
3.25	YES							
L0009498		0	0.31590E-07	446864.2	3770432.0	307.7	3.49	4.00
3.25	YES							
L0009499		0	0.31590E-07	446864.4	3770440.6	307.8	3.49	4.00
3.25	YES							
L0009500		0	0.31590E-07	446864.5	3770449.2	307.9	3.49	4.00

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L0009516	0	0.31590E-07	446866.8	3770586.6	309.9	3.49	4.00
3.25 YES							
L0009517	0	0.31590E-07	446866.9	3770595.2	310.0	3.49	4.00
3.25 YES							
L0009518	0	0.31590E-07	446867.0	3770603.8	310.1	3.49	4.00
3.25 YES							
L0009519	0	0.31590E-07	446867.2	3770612.4	310.1	3.49	4.00
3.25 YES							
L0009520	0	0.31590E-07	446867.3	3770621.0	310.2	3.49	4.00
3.25 YES							
L0009521	0	0.31590E-07	446867.5	3770629.6	310.3	3.49	4.00
3.25 YES							
L0009522	0	0.31590E-07	446867.6	3770638.2	310.4	3.49	4.00
3.25 YES							
L0009523	0	0.31590E-07	446867.7	3770646.8	310.5	3.49	4.00
3.25 YES							
L0009524	0	0.31590E-07	446867.9	3770655.3	310.6	3.49	4.00
3.25 YES							
L0009525	0	0.31590E-07	446868.0	3770663.9	310.7	3.49	4.00
3.25 YES							
L0009526	0	0.31590E-07	446868.2	3770672.5	310.9	3.49	4.00
3.25 YES							
L0009527	0	0.31590E-07	446868.3	3770681.1	311.0	3.49	4.00
3.25 YES							
L0009528	0	0.31590E-07	446868.4	3770689.7	311.2	3.49	4.00
3.25 YES							
L0009529	0	0.31590E-07	446868.6	3770698.3	311.3	3.49	4.00
3.25 YES							
L0009530	0	0.31590E-07	446868.7	3770706.9	311.4	3.49	4.00
3.25 YES							
L0009531	0	0.31590E-07	446868.9	3770715.5	311.5	3.49	4.00
3.25 YES							
L0009532	0	0.31590E-07	446869.0	3770724.1	311.6	3.49	4.00
3.25 YES							
L0009533	0	0.31590E-07	446869.1	3770732.6	311.8	3.49	4.00
3.25 YES							
L0009534	0	0.31590E-07	446869.3	3770741.2	311.9	3.49	4.00
3.25 YES							
L0009535	0	0.31590E-07	446869.4	3770749.8	312.1	3.49	4.00
3.25 YES							
L0009536	0	0.31590E-07	446869.6	3770758.4	312.2	3.49	4.00
3.25 YES							
L0009537	0	0.31590E-07	446869.6	3770767.0	312.3	3.49	4.00
3.25 YES							
L0009538	0	0.31590E-07	446869.6	3770775.6	312.4	3.49	4.00

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3.25	YES							
L0009539		0	0.31590E-07	446869.7	3770784.2	312.5	3.49	4.00
3.25	YES							
L0009540		0	0.31590E-07	446869.7	3770792.8	312.6	3.49	4.00
3.25	YES							
L0009541		0	0.31590E-07	446869.7	3770801.4	312.7	3.49	4.00
3.25	YES							
L0009542		0	0.31590E-07	446869.7	3770809.9	312.8	3.49	4.00
3.25	YES							
L0009543		0	0.31590E-07	446869.7	3770818.5	312.9	3.49	4.00
3.25	YES							
L0009544		0	0.31590E-07	446869.7	3770827.1	312.9	3.49	4.00
3.25	YES							
L0009545		0	0.31590E-07	446869.7	3770835.7	313.0	3.49	4.00
3.25	YES							
L0009546		0	0.31590E-07	446869.7	3770844.3	313.1	3.49	4.00
3.25	YES							
L0009547		0	0.31590E-07	446869.7	3770852.9	313.2	3.49	4.00
3.25	YES							
L0009548		0	0.31590E-07	446869.7	3770861.5	313.3	3.49	4.00
3.25	YES							
L0009549		0	0.31590E-07	446869.7	3770870.1	313.4	3.49	4.00
3.25	YES							
L0009550		0	0.31590E-07	446869.8	3770878.7	313.5	3.49	4.00
3.25	YES							
L0009551		0	0.31590E-07	446869.8	3770887.3	313.6	3.49	4.00
3.25	YES							
L0009552		0	0.31590E-07	446869.8	3770895.8	313.6	3.49	4.00
3.25	YES							
L0009553		0	0.31590E-07	446869.8	3770904.4	313.7	3.49	4.00
3.25	YES							
L0009554		0	0.31590E-07	446869.8	3770913.0	313.8	3.49	4.00
3.25	YES							
L0009555		0	0.31590E-07	446869.8	3770921.6	313.9	3.49	4.00

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	EMISSION RATE	BASE	RELEASE	INIT.
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11586 8th and Haven

SOURCE SZ SOURCE ID (METERS)	PART. SCALAR CATS.	(GRAMS/SEC) VARY BY	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)
L0009556	0	0.31590E-07	446869.8	3770930.2	314.0	3.49	4.00
3.25 YES							
L0009557	0	0.31590E-07	446869.8	3770938.8	314.2	3.49	4.00
3.25 YES							
L0009558	0	0.31590E-07	446869.8	3770947.4	314.3	3.49	4.00
3.25 YES							
L0009559	0	0.31590E-07	446869.8	3770956.0	314.4	3.49	4.00
3.25 YES							
L0009560	0	0.31590E-07	446869.9	3770964.6	314.6	3.49	4.00
3.25 YES							
L0009561	0	0.31590E-07	446869.9	3770973.2	314.7	3.49	4.00
3.25 YES							
L0009562	0	0.31590E-07	446869.9	3770981.7	314.8	3.49	4.00
3.25 YES							
L0009563	0	0.31590E-07	446869.9	3770990.3	314.9	3.49	4.00
3.25 YES							
L0009564	0	0.31590E-07	446869.9	3770998.9	315.1	3.49	4.00
3.25 YES							
L0009565	0	0.31590E-07	446869.9	3771007.5	315.2	3.49	4.00
3.25 YES							
L0009566	0	0.31590E-07	446869.9	3771016.1	315.4	3.49	4.00
3.25 YES							
L0009567	0	0.31590E-07	446869.9	3771024.7	315.5	3.49	4.00
3.25 YES							
L0009568	0	0.31590E-07	446869.9	3771033.3	315.6	3.49	4.00
3.25 YES							
L0009569	0	0.31590E-07	446869.9	3771041.9	315.7	3.49	4.00
3.25 YES							
L0009570	0	0.31590E-07	446869.9	3771050.5	315.9	3.49	4.00
3.25 YES							
L0009571	0	0.31590E-07	446870.0	3771059.1	316.0	3.49	4.00
3.25 YES							
L0009572	0	0.31590E-07	446870.0	3771067.6	316.2	3.49	4.00
3.25 YES							
L0009573	0	0.31590E-07	446870.0	3771076.2	316.4	3.49	4.00
3.25 YES							
L0009574	0	0.31590E-07	446870.0	3771084.8	316.5	3.49	4.00
3.25 YES							
L0009575	0	0.31590E-07	446870.0	3771093.4	316.6	3.49	4.00
3.25 YES							
L0009576	0	0.31590E-07	446870.0	3771102.0	316.6	3.49	4.00

11586 8th and Haven

3.25	YES							
L0009577		0	0.31590E-07	446870.0	3771110.6	316.8	3.49	4.00
3.25	YES							
L0009578		0	0.31590E-07	446870.0	3771119.2	316.9	3.49	4.00
3.25	YES							
L0009579		0	0.31590E-07	446870.0	3771127.8	317.1	3.49	4.00
3.25	YES							
L0009580		0	0.31590E-07	446870.0	3771136.4	317.2	3.49	4.00
3.25	YES							
L0009581		0	0.31590E-07	446870.1	3771145.0	317.3	3.49	4.00
3.25	YES							
L0009582		0	0.31590E-07	446870.1	3771153.5	317.4	3.49	4.00
3.25	YES							
L0009583		0	0.31590E-07	446870.1	3771162.1	317.5	3.49	4.00
3.25	YES							
L0009584		0	0.31590E-07	446870.1	3771170.7	317.7	3.49	4.00
3.25	YES							
L0009585		0	0.31590E-07	446870.1	3771179.3	317.7	3.49	4.00
3.25	YES							
L0009586		0	0.31590E-07	446870.1	3771187.9	317.8	3.49	4.00
3.25	YES							
L0009587		0	0.31590E-07	446870.1	3771196.5	317.9	3.49	4.00
3.25	YES							
L0009588		0	0.31590E-07	446870.1	3771205.1	318.1	3.49	4.00
3.25	YES							
L0009589		0	0.31590E-07	446870.1	3771213.7	318.3	3.49	4.00
3.25	YES							
L0009590		0	0.31590E-07	446870.1	3771222.3	318.4	3.49	4.00
3.25	YES							
L0009591		0	0.31590E-07	446870.1	3771230.9	318.6	3.49	4.00
3.25	YES							
L0009592		0	0.31590E-07	446870.2	3771239.4	318.7	3.49	4.00
3.25	YES							
L0009593		0	0.31590E-07	446870.2	3771248.0	318.9	3.49	4.00
3.25	YES							
L0009594		0	0.31590E-07	446870.2	3771256.6	319.0	3.49	4.00
3.25	YES							
L0009595		0	0.31590E-07	446870.2	3771265.2	319.1	3.49	4.00

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\11586 8th and
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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	RATE	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY						
L0009596		0	0.31590E-07	446870.2	3771273.8	319.3	3.49	4.00	
3.25	YES								
L0009597		0	0.31590E-07	446870.2	3771282.4	319.4	3.49	4.00	
3.25	YES								
L0009598		0	0.31590E-07	446870.2	3771291.0	319.5	3.49	4.00	
3.25	YES								
L0009599		0	0.31590E-07	446870.2	3771299.6	319.7	3.49	4.00	
3.25	YES								
L0009600		0	0.31590E-07	446870.2	3771308.2	319.9	3.49	4.00	
3.25	YES								
L0009601		0	0.31590E-07	446870.2	3771316.8	320.0	3.49	4.00	
3.25	YES								
L0009602		0	0.31590E-07	446870.3	3771325.3	320.1	3.49	4.00	
3.25	YES								
L0009603		0	0.31590E-07	446870.3	3771333.9	320.2	3.49	4.00	
3.25	YES								
L0009604		0	0.31590E-07	446870.3	3771342.5	320.3	3.49	4.00	
3.25	YES								
L0009605		0	0.31590E-07	446870.3	3771351.1	320.4	3.49	4.00	
3.25	YES								
L0009606		0	0.31590E-07	446870.3	3771359.7	320.6	3.49	4.00	
3.25	YES								
L0009607		0	0.31590E-07	446870.3	3771368.3	320.7	3.49	4.00	
3.25	YES								
L0009608		0	0.31590E-07	446870.3	3771376.9	320.9	3.49	4.00	
3.25	YES								
L0009609		0	0.31590E-07	446870.3	3771385.5	321.0	3.49	4.00	
3.25	YES								
L0009610		0	0.31590E-07	446870.3	3771394.1	321.1	3.49	4.00	
3.25	YES								
L0009611		0	0.31590E-07	446870.3	3771402.7	321.2	3.49	4.00	
3.25	YES								
L0009612		0	0.31590E-07	446870.3	3771411.2	321.4	3.49	4.00	
3.25	YES								
L0009613		0	0.31590E-07	446870.3	3771419.8	321.5	3.49	4.00	
3.25	YES								
L0009614		0	0.31590E-07	446870.3	3771428.4	321.7	3.49	4.00	

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3.25	YES							
L0009615		0	0.31590E-07	446870.3	3771437.0	321.9	3.49	4.00
3.25	YES							
L0009616		0	0.31590E-07	446870.2	3771445.6	322.1	3.49	4.00
3.25	YES							
L0009617		0	0.31590E-07	446870.2	3771454.2	322.2	3.49	4.00
3.25	YES							
L0009618		0	0.31590E-07	446870.2	3771462.8	322.4	3.49	4.00
3.25	YES							
L0009619		0	0.31590E-07	446870.1	3771471.4	322.6	3.49	4.00
3.25	YES							
L0009620		0	0.31590E-07	446870.1	3771480.0	322.8	3.49	4.00
3.25	YES							
L0009621		0	0.31590E-07	446870.1	3771488.6	322.9	3.49	4.00
3.25	YES							
L0009622		0	0.31590E-07	446870.0	3771497.1	323.1	3.49	4.00
3.25	YES							
L0009623		0	0.31590E-07	446870.0	3771505.7	323.2	3.49	4.00
3.25	YES							
L0009624		0	0.31590E-07	446870.0	3771514.3	323.3	3.49	4.00
3.25	YES							
L0009625		0	0.31590E-07	446869.9	3771522.9	323.4	3.49	4.00
3.25	YES							
L0009626		0	0.31590E-07	446869.9	3771531.5	323.4	3.49	4.00
3.25	YES							
L0009627		0	0.31590E-07	446869.9	3771540.1	323.5	3.49	4.00
3.25	YES							
L0009628		0	0.31590E-07	446869.9	3771548.7	323.6	3.49	4.00
3.25	YES							
L0009629		0	0.31590E-07	446869.8	3771557.3	323.7	3.49	4.00
3.25	YES							
L0009630		0	0.31590E-07	446869.8	3771565.9	323.9	3.49	4.00
3.25	YES							
L0009631		0	0.31590E-07	446869.8	3771574.5	324.1	3.49	4.00
3.25	YES							
L0009632		0	0.31590E-07	446869.7	3771583.0	324.2	3.49	4.00
3.25	YES							
L0009633		0	0.31590E-07	446869.7	3771591.6	324.4	3.49	4.00
3.25	YES							
L0009634		0	0.31590E-07	446869.7	3771600.2	324.5	3.49	4.00
3.25	YES							
L0009635		0	0.31590E-07	446869.6	3771608.8	324.7	3.49	4.00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY						
L0009636		0	0.31590E-07	446869.6	3771617.4	324.8	3.49	4.00	
3.25	YES								
L0009637		0	0.31590E-07	446869.6	3771626.0	324.9	3.49	4.00	
3.25	YES								
L0009638		0	0.31590E-07	446869.5	3771634.6	325.1	3.49	4.00	
3.25	YES								
L0009639		0	0.31590E-07	446869.6	3771643.2	325.2	3.49	4.00	
3.25	YES								
L0009640		0	0.31590E-07	446869.7	3771651.8	325.3	3.49	4.00	
3.25	YES								
L0009641		0	0.31590E-07	446869.7	3771660.4	325.4	3.49	4.00	
3.25	YES								
L0009642		0	0.31590E-07	446869.8	3771668.9	325.4	3.49	4.00	
3.25	YES								
L0009643		0	0.31590E-07	446869.9	3771677.5	325.6	3.49	4.00	
3.25	YES								
L0009644		0	0.31590E-07	446870.0	3771686.1	325.7	3.49	4.00	
3.25	YES								
L0009645		0	0.31590E-07	446870.0	3771694.7	325.9	3.49	4.00	
3.25	YES								
L0009646		0	0.31590E-07	446870.1	3771703.3	326.1	3.49	4.00	
3.25	YES								
L0009647		0	0.31590E-07	446870.2	3771711.9	326.2	3.49	4.00	
3.25	YES								
L0009648		0	0.31590E-07	446870.3	3771720.5	326.3	3.49	4.00	
3.25	YES								
L0009649		0	0.31590E-07	446870.4	3771729.1	326.4	3.49	4.00	
3.25	YES								
L0009650		0	0.31590E-07	446870.4	3771737.7	326.5	3.49	4.00	
3.25	YES								
L0009651		0	0.31590E-07	446870.5	3771746.2	326.6	3.49	4.00	
3.25	YES								
L0009652		0	0.31590E-07	446870.6	3771754.8	326.8	3.49	4.00	

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3.25	YES							
L0009653		0	0.31590E-07	446870.7	3771763.4	327.0	3.49	4.00
3.25	YES							
L0009654		0	0.31590E-07	446870.7	3771772.0	327.2	3.49	4.00
3.25	YES							
L0009655		0	0.31590E-07	446870.8	3771780.6	327.3	3.49	4.00
3.25	YES							
L0009656		0	0.31590E-07	446870.9	3771789.2	327.5	3.49	4.00
3.25	YES							
L0009657		0	0.31590E-07	446871.0	3771797.8	327.7	3.49	4.00
3.25	YES							
L0009658		0	0.31590E-07	446871.0	3771806.4	327.9	3.49	4.00
3.25	YES							
L0009659		0	0.31590E-07	446871.1	3771815.0	328.0	3.49	4.00
3.25	YES							
L0009660		0	0.31590E-07	446871.2	3771823.6	328.2	3.49	4.00
3.25	YES							
L0009661		0	0.31590E-07	446871.3	3771832.1	328.3	3.49	4.00
3.25	YES							
L0009662		0	0.31590E-07	446871.3	3771840.7	328.4	3.49	4.00
3.25	YES							
L0009663		0	0.31590E-07	446871.4	3771849.3	328.5	3.49	4.00
3.25	YES							
L0009664		0	0.31590E-07	446871.5	3771857.9	328.6	3.49	4.00
3.25	YES							
L0009665		0	0.31590E-07	446871.6	3771866.5	328.8	3.49	4.00
3.25	YES							
L0009666		0	0.31590E-07	446871.7	3771875.1	329.0	3.49	4.00
3.25	YES							
L0009667		0	0.31590E-07	446871.7	3771883.7	329.1	3.49	4.00
3.25	YES							
L0009668		0	0.31590E-07	446871.8	3771892.3	329.3	3.49	4.00
3.25	YES							
L0009669		0	0.31590E-07	446871.9	3771900.9	329.6	3.49	4.00
3.25	YES							
L0009670		0	0.31590E-07	446872.0	3771909.5	329.8	3.49	4.00
3.25	YES							
L0009671		0	0.31590E-07	446872.0	3771918.0	330.0	3.49	4.00
3.25	YES							
L0009672		0	0.31590E-07	446872.1	3771926.6	330.2	3.49	4.00
3.25	YES							
L0009673		0	0.31590E-07	446872.2	3771935.2	330.5	3.49	4.00
3.25	YES							
L0009674		0	0.31590E-07	446872.3	3771943.8	330.7	3.49	4.00
3.25	YES							
L0009675		0	0.31590E-07	446872.3	3771952.4	330.8	3.49	4.00

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\11586 8th and

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
ID		PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					
L0009676		0	0.31590E-07	446872.4	3771961.0	331.0	3.49	4.00
3.25	YES							
L0009677		0	0.31590E-07	446872.5	3771969.6	331.1	3.49	4.00
3.25	YES							
L0009678		0	0.31590E-07	446872.6	3771978.2	331.2	3.49	4.00
3.25	YES							
L0009679		0	0.31590E-07	446872.7	3771986.8	331.3	3.49	4.00
3.25	YES							
L0009680		0	0.31590E-07	446872.7	3771995.3	331.4	3.49	4.00
3.25	YES							
L0009681		0	0.31590E-07	446872.8	3772003.9	331.5	3.49	4.00
3.25	YES							
L0009682		0	0.31590E-07	446872.9	3772012.5	331.6	3.49	4.00
3.25	YES							
L0009683		0	0.31590E-07	446873.0	3772021.1	331.6	3.49	4.00
3.25	YES							
L0009684		0	0.31590E-07	446873.0	3772029.7	331.7	3.49	4.00
3.25	YES							
L0009685		0	0.31590E-07	446873.1	3772038.3	331.8	3.49	4.00
3.25	YES							
L0009686		0	0.31590E-07	446873.2	3772046.9	331.9	3.49	4.00
3.25	YES							
L0009687		0	0.31590E-07	446873.3	3772055.5	332.1	3.49	4.00
3.25	YES							
L0009688		0	0.31590E-07	446873.3	3772064.1	332.2	3.49	4.00
3.25	YES							
L0009689		0	0.31590E-07	446873.4	3772072.7	332.3	3.49	4.00
3.25	YES							
L0009690		0	0.31590E-07	446873.5	3772081.2	332.5	3.49	4.00

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3.25	YES							
L0009691		0	0.31590E-07	446873.6	3772089.8	332.6	3.49	4.00
3.25	YES							
L0009692		0	0.31590E-07	446873.7	3772098.4	332.7	3.49	4.00
3.25	YES							
L0009693		0	0.31590E-07	446873.7	3772107.0	332.9	3.49	4.00
3.25	YES							
L0009694		0	0.31590E-07	446873.8	3772115.6	333.0	3.49	4.00
3.25	YES							
L0009695		0	0.31590E-07	446873.9	3772124.2	333.1	3.49	4.00
3.25	YES							
L0009696		0	0.31590E-07	446874.0	3772132.8	333.2	3.49	4.00
3.25	YES							
L0009697		0	0.31590E-07	446874.1	3772141.4	333.4	3.49	4.00
3.25	YES							
L0009698		0	0.31590E-07	446874.2	3772150.0	333.5	3.49	4.00
3.25	YES							
L0009699		0	0.31590E-07	446874.3	3772158.6	333.6	3.49	4.00
3.25	YES							
L0009700		0	0.31590E-07	446874.4	3772167.1	333.8	3.49	4.00
3.25	YES							
L0009701		0	0.31590E-07	446874.5	3772175.7	333.9	3.49	4.00
3.25	YES							
L0009702		0	0.31590E-07	446874.6	3772184.3	334.0	3.49	4.00
3.25	YES							
L0009703		0	0.31590E-07	446874.7	3772192.9	334.2	3.49	4.00
3.25	YES							
L0009704		0	0.31590E-07	446874.8	3772201.5	334.4	3.49	4.00
3.25	YES							
L0009705		0	0.31590E-07	446874.9	3772210.1	334.5	3.49	4.00
3.25	YES							
L0009706		0	0.31590E-07	446875.0	3772218.7	334.7	3.49	4.00
3.25	YES							
L0009707		0	0.31590E-07	446875.1	3772227.3	334.8	3.49	4.00
3.25	YES							
L0009708		0	0.31590E-07	446875.2	3772235.9	334.9	3.49	4.00
3.25	YES							
L0009709		0	0.31590E-07	446875.3	3772244.4	335.0	3.49	4.00
3.25	YES							
L0009710		0	0.31590E-07	446875.4	3772253.0	335.1	3.49	4.00
3.25	YES							
L0009711		0	0.31590E-07	446875.5	3772261.6	335.3	3.49	4.00
3.25	YES							
L0009712		0	0.31590E-07	446875.6	3772270.2	335.5	3.49	4.00
3.25	YES							
L0009713		0	0.31590E-07	446875.7	3772278.8	335.6	3.49	4.00
3.25	YES							
L0009714		0	0.31590E-07	446872.3	3772284.2	335.7	3.49	4.00

11586 8th and Haven

3.25 YES
 L0009715 0 0.31590E-07 446863.8 3772284.8 335.7 3.49 4.00

3.25 YES

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\11586 8th and
 Haven\11586 8th and Haven.isc *** 02/06/19
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE	BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION	RATE		ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY	X	Y	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)

L0009716	0	0.31590E-07	446855.2	3772285.4	335.7	3.49	4.00
3.25 YES							
L0009717	0	0.31590E-07	446846.6	3772285.9	335.7	3.49	4.00
3.25 YES							
L0009718	0	0.31590E-07	446838.1	3772286.5	335.8	3.49	4.00
3.25 YES							
L0009719	0	0.31590E-07	446829.5	3772287.1	335.8	3.49	4.00

▲ *** AERMOD - VERSION 18081 *** *** C:\Lakes\AERMOD View\11586 8th and
 Haven\11586 8th and Haven.isc *** 02/06/19
 *** AERMET - VERSION 16216 *** ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
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ALL	L0008906 , L0008907 , L0008908 , L0008909 , L0008910 ,

11586 8th and Haven

L0008911 , L0008912 , L0008913 ,
L0008914 , L0008915 , L0008916 , L0008917 , L0008918 ,
L0008919 , L0008920 , L0008921 , L0008922 , L0008923 , L0008924 ,
L0008925 , L0008926 , L0008927 , L0008928 ,
L0008929 , L0008930 , L0008931 ,
L0008932 , L0008933 , L0008934 , L0008935 , L0008936 ,
L0008937 , L0008938 , L0008939 ,
L0008940 , L0008941 , L0008942 , L0008943 , L0008944 ,
L0008945 , L0008946 , L0008947 ,
L0008948 , L0008949 , L0008950 , L0008951 , L0008952 ,
L0008953 , L0008954 , L0008955 ,
L0008956 , L0008957 , L0008958 , L0008959 , L0008960 ,
L0008961 , L0008962 , L0008963 ,
L0008964 , L0008965 , L0008966 , L0008967 , L0008968 ,
L0008969 , L0008970 , L0008971 ,
L0008972 , L0008973 , L0008974 , L0008975 , L0008976 ,
L0008977 , L0008978 , L0008979 ,
L0008980 , L0008981 , L0008982 , L0008983 , L0008984 ,
L0008985 , L0008986 , L0008987 ,
L0008988 , L0008989 , L0008990 , L0008991 , L0008992 ,
L0008993 , L0008994 , L0008995 ,
L0008996 , L0008997 , L0008998 , L0008999 , L0009000 ,
L0009001 , L0009002 , L0009003 ,
L0009004 , L0009005 , L0009006 , L0009007 , L0009008 ,
L0009009 , L0009010 , L0009011 ,
L0009012 , L0009013 , L0009014 , L0009015 , L0009016 ,
L0009017 , L0009018 , L0009019 ,
L0009020 , L0009021 , L0009022 , L0009023 , L0009024 ,
L0009025 , L0009026 , L0009027 ,
L0009028 , L0009029 , L0009030 , L0009031 , L0009032 ,
L0009033 , L0009034 , L0009035 ,
L0009036 , L0009037 , L0009038 , L0009039 , L0009040 ,
L0009041 , L0009042 , L0009043 ,
L0009044 , L0009045 , L0009046 , L0009047 , L0009048 ,

11586 8th and Haven

L0009049 , L0009050 , L0009051 ,
 L0009052 , L0009053 , L0009054 , L0009055 , L0009056 ,
 L0009057 , L0009058 , L0009059 ,
 L0009060 , L0009061 , L0009062 , L0009063 , L0009064 ,
 L0009065 , L0009066 , L0009067 ,
 L0009068 , L0009069 , L0009070 , L0009071 , L0009072 ,
 L0009073 , L0009074 , L0009075 ,
 ^ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\11586 8th and
 Haven\11586 8th and Haven.isc *** 02/06/19
 *** AERMET - VERSION 16216 ***
 *** 08:48:37

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs				
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L0009081	L0009076 ,	L0009077 ,	L0009078 ,	L0009079 ,	L0009080 ,
	L0009082 ,	L0009083 ,			
L0009089	L0009084 ,	L0009085 ,	L0009086 ,	L0009087 ,	L0009088 ,
	L0009090 ,	L0009091 ,			
L0009097	L0009092 ,	L0009093 ,	L0009094 ,	L0009095 ,	L0009096 ,
	L0009098 ,	L0009099 ,			
L0009105	L0009100 ,	L0009101 ,	L0009102 ,	L0009103 ,	L0009104 ,
	L0009106 ,	L0009107 ,			
L0009113	L0009108 ,	L0009109 ,	L0009110 ,	L0009111 ,	L0009112 ,
	L0009114 ,	L0009115 ,			
L0009121	L0009116 ,	L0009117 ,	L0009118 ,	L0009119 ,	L0009120 ,
	L0009122 ,	L0009123 ,			
L0009129	L0009124 ,	L0009125 ,	L0009126 ,	L0009127 ,	L0009128 ,
	L0009130 ,	L0009131 ,			
	L0009132 ,	L0009133 ,	L0009134 ,	L0009135 ,	L0009136 ,

11586 8th and Haven

L0009137 , L0009138 , L0009139 ,
 L0009145 , L0009146 , L0009147 , L0009148 , L0009149 , L0009150 , L0009151 , L0009152 ,
 L0009161 , L0009162 , L0009163 , L0009164 , L0009165 , L0009166 , L0009167 , L0009168 ,
 L0009169 , L0009170 , L0009171 , L0009172 , L0009173 , L0009174 , L0009175 , L0009176 ,
 L0009177 , L0009178 , L0009179 , L0009180 , L0009181 , L0009182 , L0009183 , L0009184 ,
 L0009185 , L0009186 , L0009187 , L0009188 , L0009189 , L0009190 , L0009191 , L0009192 ,
 L0009193 , L0009194 , L0009195 , L0009196 , L0009197 , L0009198 , L0009199 , L0009200 ,
 L0009201 , L0009202 , L0009203 , L0009204 , L0009205 , L0009206 , L0009207 , L0009208 ,
 L0009209 , L0009210 , L0009211 , L0009212 , L0009213 , L0009214 , L0009215 , L0009216 ,
 L0009217 , L0009218 , L0009219 , L0009220 , L0009221 , L0009222 , L0009223 , L0009224 ,
 L0009225 , L0009226 , L0009227 , L0009228 , L0009229 , L0009230 , L0009231 , L0009232 ,
 L0009233 , L0009234 , L0009235 ,

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\11586 8th and
 Haven\11586 8th and Haven.isc *** 02/06/19

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

11586 8th and Haven

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0009241	L0009236	, L0009237	, L0009238	, L0009239	, L0009240	,
	, L0009242	, L0009243	,			
L0009249	L0009244	, L0009245	, L0009246	, L0009247	, L0009248	,
	, L0009250	, L0009251	,			
L0009257	L0009252	, L0009253	, L0009254	, L0009255	, L0009256	,
	, L0009258	, L0009259	,			
L0009265	L0009260	, L0009261	, L0009262	, L0009263	, L0009264	,
	, L0009266	, L0009267	,			
L0009273	L0009268	, L0009269	, L0009270	, L0009271	, L0009272	,
	, L0009274	, L0009275	,			
L0009281	L0009276	, L0009277	, L0009278	, L0009279	, L0009280	,
	, L0009282	, L0009283	,			
L0009289	L0009284	, L0009285	, L0009286	, L0009287	, L0009288	,
	, L0009290	, L0009291	,			
L0009297	L0009292	, L0009293	, L0009294	, L0009295	, L0009296	,
	, L0009298	, L0009299	,			
L0009305	L0009300	, L0009301	, L0009302	, L0009303	, L0009304	,
	, L0009306	, L0009307	,			
L0009313	L0009308	, L0009309	, L0009310	, L0009311	, L0009312	,
	, L0009314	, L0009315	,			
L0009321	L0009316	, L0009317	, L0009318	, L0009319	, L0009320	,
	, L0009322	, L0009323	,			
L0009329	L0009324	, L0009325	, L0009326	, L0009327	, L0009328	,
	, L0009330	, L0009331	,			
L0009337	L0009332	, L0009333	, L0009334	, L0009335	, L0009336	,
	, L0009338	, L0009339	,			
L0009345	L0009340	, L0009341	, L0009342	, L0009343	, L0009344	,
	, L0009346	, L0009347	,			
	L0009348	, L0009349	, L0009350	, L0009351	, L0009352	,

11586 8th and Haven

L0009353 , L0009354 , L0009355 ,
 L0009361 , L0009362 , L0009363 , L0009358 , L0009359 , L0009360 ,
 L0009369 , L0009370 , L0009371 , L0009366 , L0009367 , L0009368 ,
 L0009377 , L0009378 , L0009379 , L0009374 , L0009375 , L0009376 ,
 L0009385 , L0009386 , L0009387 , L0009382 , L0009383 , L0009384 ,
 L0009393 , L0009394 , L0009395 , L0009388 , L0009389 , L0009390 , L0009391 , L0009392 ,

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\11586 8th and Haven\11586 8th and Haven.isc *** 02/06/19
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
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L0009401	L0009396 , L0009397 , L0009398 , L0009399 , L0009400 , L0009402 , L0009403 ,
L0009409	L0009404 , L0009405 , L0009406 , L0009407 , L0009408 , L0009410 , L0009411 ,
L0009417	L0009412 , L0009413 , L0009414 , L0009415 , L0009416 , L0009418 , L0009419 ,
L0009425	L0009420 , L0009421 , L0009422 , L0009423 , L0009424 , L0009426 , L0009427 ,
L0009433	L0009428 , L0009429 , L0009430 , L0009431 , L0009432 , L0009434 , L0009435 ,
	L0009436 , L0009437 , L0009438 , L0009439 , L0009440 ,

11586 8th and Haven

L0009441 , L0009442 , L0009443 ,
L0009449 , L0009450 , L0009451 , L0009444 , L0009445 , L0009446 , L0009447 , L0009448 ,
L0009457 , L0009458 , L0009459 , L0009452 , L0009453 , L0009454 , L0009455 , L0009456 ,
L0009465 , L0009466 , L0009467 , L0009460 , L0009461 , L0009462 , L0009463 , L0009464 ,
L0009473 , L0009474 , L0009475 , L0009468 , L0009469 , L0009470 , L0009471 , L0009472 ,
L0009481 , L0009482 , L0009483 , L0009476 , L0009477 , L0009478 , L0009479 , L0009480 ,
L0009489 , L0009490 , L0009491 , L0009484 , L0009485 , L0009486 , L0009487 , L0009488 ,
L0009497 , L0009498 , L0009499 , L0009492 , L0009493 , L0009494 , L0009495 , L0009496 ,
L0009505 , L0009506 , L0009507 , L0009500 , L0009501 , L0009502 , L0009503 , L0009504 ,
L0009513 , L0009514 , L0009515 , L0009508 , L0009509 , L0009510 , L0009511 , L0009512 ,
L0009521 , L0009522 , L0009523 , L0009516 , L0009517 , L0009518 , L0009519 , L0009520 ,
L0009529 , L0009530 , L0009531 , L0009524 , L0009525 , L0009526 , L0009527 , L0009528 ,
L0009537 , L0009538 , L0009539 , L0009532 , L0009533 , L0009534 , L0009535 , L0009536 ,
L0009545 , L0009546 , L0009547 , L0009540 , L0009541 , L0009542 , L0009543 , L0009544 ,
L0009553 , L0009554 , L0009555 , L0009548 , L0009549 , L0009550 , L0009551 , L0009552 ,

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\11586 8th and
Haven\11586 8th and Haven.isc *** 02/06/19
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID -----	SOURCE IDs -----					
L0009561	L0009556	, L0009557	, L0009558	, L0009559	, L0009560	,
	, L0009562	, L0009563	,			
L0009569	L0009564	, L0009565	, L0009566	, L0009567	, L0009568	,
	, L0009570	, L0009571	,			
L0009577	L0009572	, L0009573	, L0009574	, L0009575	, L0009576	,
	, L0009578	, L0009579	,			
L0009585	L0009580	, L0009581	, L0009582	, L0009583	, L0009584	,
	, L0009586	, L0009587	,			
L0009593	L0009588	, L0009589	, L0009590	, L0009591	, L0009592	,
	, L0009594	, L0009595	,			
L0009601	L0009596	, L0009597	, L0009598	, L0009599	, L0009600	,
	, L0009602	, L0009603	,			
L0009609	L0009604	, L0009605	, L0009606	, L0009607	, L0009608	,
	, L0009610	, L0009611	,			
L0009617	L0009612	, L0009613	, L0009614	, L0009615	, L0009616	,
	, L0009618	, L0009619	,			
L0009625	L0009620	, L0009621	, L0009622	, L0009623	, L0009624	,
	, L0009626	, L0009627	,			
L0009633	L0009628	, L0009629	, L0009630	, L0009631	, L0009632	,
	, L0009634	, L0009635	,			
L0009641	L0009636	, L0009637	, L0009638	, L0009639	, L0009640	,
	, L0009642	, L0009643	,			
L0009649	L0009644	, L0009645	, L0009646	, L0009647	, L0009648	,
	, L0009650	, L0009651	,			
	L0009652	, L0009653	, L0009654	, L0009655	, L0009656	,

11586 8th and Haven

L0009657 , L0009658 , L0009659 ,

L0009660 , L0009661 , L0009662 , L0009663 , L0009664 ,

L0009665 , L0009666 , L0009667 ,

L0009668 , L0009669 , L0009670 , L0009671 , L0009672 ,

L0009673 , L0009674 , L0009675 ,

L0009676 , L0009677 , L0009678 , L0009679 , L0009680 ,

L0009681 , L0009682 , L0009683 ,

L0009684 , L0009685 , L0009686 , L0009687 , L0009688 ,

L0009689 , L0009690 , L0009691 ,

L0009692 , L0009693 , L0009694 , L0009695 , L0009696 ,

L0009697 , L0009698 , L0009699 ,

L0009700 , L0009701 , L0009702 , L0009703 , L0009704 ,

L0009705 , L0009706 , L0009707 ,

L0009708 , L0009709 , L0009710 , L0009711 , L0009712 ,

L0009713 , L0009714 , L0009715 ,

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\11586 8th and Haven\11586 8th and Haven.isc *** 02/06/19

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
-------------	------------

L0009716 , L0009717 , L0009718 , L0009719 ,

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\11586 8th and Haven\11586 8th and Haven.isc *** 02/06/19

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

11586 8th and Haven

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID -----	URBAN POP -----	SOURCE IDs -----					
L0008910 L0008913	2035210. , L0008911 ,	L0008906 , L0008912	, L0008907 ,	, L0008908	, L0008909	,	
L0008929	L0008914 , L0008930	, L0008915 , L0008931	, L0008926 ,	, L0008927	, L0008928	,	
L0008937	L0008932 , L0008938	, L0008933 , L0008939	, L0008934 ,	, L0008935	, L0008936	,	
L0008945	L0008940 , L0008946	, L0008941 , L0008947	, L0008942 ,	, L0008943	, L0008944	,	
L0008953	L0008948 , L0008954	, L0008949 , L0008955	, L0008950 ,	, L0008951	, L0008952	,	
L0008961	L0008956 , L0008962	, L0008957 , L0008963	, L0008958 ,	, L0008959	, L0008960	,	
L0008969	L0008964 , L0008970	, L0008965 , L0008971	, L0008966 ,	, L0008967	, L0008968	,	
L0008977	L0008972 , L0008978	, L0008973 , L0008979	, L0008974 ,	, L0008975	, L0008976	,	
L0008985	L0008980 , L0008986	, L0008981 , L0008987	, L0008982 ,	, L0008983	, L0008984	,	
L0008993	L0008988 , L0008994	, L0008989 , L0008995	, L0008990 ,	, L0008991	, L0008992	,	
L0009001	L0008996 , L0009002	, L0008997 , L0009003	, L0008998 ,	, L0008999	, L0009000	,	
L0009009	L0009004 , L0009010	, L0009005 , L0009011	, L0009006 ,	, L0009007	, L0009008	,	
L0009017	L0009012 , L0009018	, L0009013 , L0009019	, L0009014 ,	, L0009015	, L0009016	,	
	L0009020	, L0009021	, L0009022	, L0009023	, L0009024	,	

11586 8th and Haven

L0009025 , L0009026 , L0009027 ,
 L0009033 , L0009034 , L0009035 , L0009032 ,
 L0009041 , L0009042 , L0009043 , L0009038 , L0009039 , L0009040 ,
 L0009049 , L0009050 , L0009051 , L0009046 , L0009047 , L0009048 ,
 L0009057 , L0009058 , L0009059 , L0009054 , L0009055 , L0009056 ,
 L0009065 , L0009066 , L0009067 , L0009062 , L0009063 , L0009064 ,
 L0009073 , L0009074 , L0009075 , L0009068 , L0009069 , L0009070 , L0009071 , L0009072 ,

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\11586 8th and Haven\11586 8th and Haven.isc *** 02/06/19
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0009081	L0009076 , L0009082	L0009077 , L0009078 , L0009079 , L0009080 , L0009083
L0009089	L0009084 , L0009090	L0009085 , L0009086 , L0009087 , L0009088 , L0009091
L0009097	L0009092 , L0009098	L0009093 , L0009094 , L0009095 , L0009096 , L0009099
L0009105	L0009100 , L0009106	L0009101 , L0009102 , L0009103 , L0009104 , L0009107
	L0009108	L0009109 , L0009110 , L0009111 , L0009112

11586 8th and Haven

L0009113 , L0009114 , L0009115 ,
L0009121 , L0009122 , L0009123 , L0009124 , L0009125 , L0009126 , L0009127 , L0009128 ,
L0009129 , L0009130 , L0009131 , L0009132 , L0009133 , L0009134 , L0009135 , L0009136 ,
L0009137 , L0009138 , L0009139 , L0009140 , L0009141 , L0009142 , L0009143 , L0009144 ,
L0009145 , L0009146 , L0009147 , L0009148 , L0009149 , L0009150 , L0009151 , L0009152 ,
L0009153 , L0009154 , L0009155 , L0009156 , L0009157 , L0009158 , L0009159 , L0009160 ,
L0009161 , L0009162 , L0009163 , L0009164 , L0009165 , L0009166 , L0009167 , L0009168 ,
L0009169 , L0009170 , L0009171 , L0009172 , L0009173 , L0009174 , L0009175 , L0009176 ,
L0009177 , L0009178 , L0009179 , L0009180 , L0009181 , L0009182 , L0009183 , L0009184 ,
L0009185 , L0009186 , L0009187 , L0009188 , L0009189 , L0009190 , L0009191 , L0009192 ,
L0009193 , L0009194 , L0009195 , L0009196 , L0009197 , L0009198 , L0009199 , L0009200 ,
L0009201 , L0009202 , L0009203 , L0009204 , L0009205 , L0009206 , L0009207 , L0009208 ,
L0009209 , L0009210 , L0009211 , L0009212 , L0009213 , L0009214 , L0009215 , L0009216 ,
L0009217 , L0009218 , L0009219 , L0009220 , L0009221 , L0009222 , L0009223 , L0009224 ,
L0009225 , L0009226 , L0009227 , L0009228 , L0009229 , L0009230 , L0009231 , L0009232 ,
L0009233 , L0009234 , L0009235 ,

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\11586 8th and Haven\11586 8th and Haven.isc *** 02/06/19

*** AERMET - VERSION 16216 ***
*** 08:48:37

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0009241	L0009236 , L0009242	L0009237 , L0009238 , L0009239 , L0009240 , L0009241 , L0009242 , L0009243 ,
L0009249	L0009244 , L0009250	L0009245 , L0009246 , L0009247 , L0009248 , L0009249 , L0009250 , L0009251 ,
L0009257	L0009252 , L0009258	L0009253 , L0009254 , L0009255 , L0009256 , L0009257 , L0009258 , L0009259 ,
L0009265	L0009260 , L0009266	L0009261 , L0009262 , L0009263 , L0009264 , L0009265 , L0009266 , L0009267 ,
L0009273	L0009268 , L0009274	L0009269 , L0009270 , L0009271 , L0009272 , L0009273 , L0009274 , L0009275 ,
L0009281	L0009276 , L0009282	L0009277 , L0009278 , L0009279 , L0009280 , L0009281 , L0009282 , L0009283 ,
L0009289	L0009284 , L0009290	L0009285 , L0009286 , L0009287 , L0009288 , L0009289 , L0009290 , L0009291 ,
L0009297	L0009292 , L0009298	L0009293 , L0009294 , L0009295 , L0009296 , L0009297 , L0009298 , L0009299 ,
L0009305	L0009300 , L0009306	L0009301 , L0009302 , L0009303 , L0009304 , L0009305 , L0009306 , L0009307 ,
L0009313	L0009308 , L0009314	L0009309 , L0009310 , L0009311 , L0009312 , L0009313 , L0009314 , L0009315 ,
L0009321	L0009316 , L0009322	L0009317 , L0009318 , L0009319 , L0009320 , L0009321 , L0009322 , L0009323 ,
	L0009324	L0009325 , L0009326 , L0009327 , L0009328 ,

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L0009329 , L0009330 , L0009331 ,
 L0009337 , L0009332 , L0009333 , L0009334 , L0009335 , L0009336 ,
 L0009345 , L0009338 , L0009339 , L0009340 , L0009341 , L0009342 , L0009343 , L0009344 ,
 L0009353 , L0009346 , L0009347 , L0009348 , L0009349 , L0009350 , L0009351 , L0009352 ,
 L0009361 , L0009355 , L0009356 , L0009357 , L0009358 , L0009359 , L0009360 ,
 L0009369 , L0009362 , L0009363 , L0009364 , L0009365 , L0009366 , L0009367 , L0009368 ,
 L0009377 , L0009370 , L0009371 , L0009372 , L0009373 , L0009374 , L0009375 , L0009376 ,
 L0009385 , L0009378 , L0009379 , L0009380 , L0009381 , L0009382 , L0009383 , L0009384 ,
 L0009393 , L0009386 , L0009387 , L0009388 , L0009389 , L0009390 , L0009391 , L0009392 ,

▲ *** AERMOD - VERSION 18081 *** C:\Lakes\AERMOD View\11586 8th and
 Haven\11586 8th and Haven.isc *** 02/06/19
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0009401	L0009396 , L0009402	L0009397 , L0009403 , L0009398 , L0009399 , L0009400 ,
L0009409	L0009404 , L0009410	L0009405 , L0009411 , L0009406 , L0009407 , L0009408 ,
	L0009412	L0009413 , L0009414 , L0009415 , L0009416 ,

11586 8th and Haven

L0009417 , L0009418 , L0009419 ,
L0009420 , L0009421 , L0009422 , L0009423 , L0009424 ,
L0009425 , L0009426 , L0009427 ,
L0009428 , L0009429 , L0009430 , L0009431 , L0009432 ,
L0009433 , L0009434 , L0009435 ,
L0009436 , L0009437 , L0009438 , L0009439 , L0009440 ,
L0009441 , L0009442 , L0009443 ,
L0009444 , L0009445 , L0009446 , L0009447 , L0009448 ,
L0009449 , L0009450 , L0009451 ,
L0009452 , L0009453 , L0009454 , L0009455 , L0009456 ,
L0009457 , L0009458 , L0009459 ,
L0009460 , L0009461 , L0009462 , L0009463 , L0009464 ,
L0009465 , L0009466 , L0009467 ,
L0009468 , L0009469 , L0009470 , L0009471 , L0009472 ,
L0009473 , L0009474 , L0009475 ,
L0009476 , L0009477 , L0009478 , L0009479 , L0009480 ,
L0009481 , L0009482 , L0009483 ,
L0009484 , L0009485 , L0009486 , L0009487 , L0009488 ,
L0009489 , L0009490 , L0009491 ,
L0009492 , L0009493 , L0009494 , L0009495 , L0009496 ,
L0009497 , L0009498 , L0009499 ,
L0009500 , L0009501 , L0009502 , L0009503 , L0009504 ,
L0009505 , L0009506 , L0009507 ,
L0009508 , L0009509 , L0009510 , L0009511 , L0009512 ,
L0009513 , L0009514 , L0009515 ,
L0009516 , L0009517 , L0009518 , L0009519 , L0009520 ,
L0009521 , L0009522 , L0009523 ,
L0009524 , L0009525 , L0009526 , L0009527 , L0009528 ,
L0009529 , L0009530 , L0009531 ,
L0009532 , L0009533 , L0009534 , L0009535 , L0009536 ,
L0009537 , L0009538 , L0009539 ,
L0009540 , L0009541 , L0009542 , L0009543 , L0009544 ,

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L0009545 , L0009546 , L0009547 ,

L0009548 , L0009549 , L0009550 , L0009551 , L0009552 ,
L0009553 , L0009554 , L0009555 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0009561	L0009556 , L0009562	L0009557 , L0009558 , L0009559 , L0009560 , L0009561
L0009569	L0009564 , L0009570	L0009565 , L0009566 , L0009567 , L0009568 , L0009569
L0009577	L0009572 , L0009578	L0009573 , L0009574 , L0009575 , L0009576 , L0009577
L0009585	L0009580 , L0009586	L0009581 , L0009582 , L0009583 , L0009584 , L0009585
L0009593	L0009588 , L0009594	L0009589 , L0009590 , L0009591 , L0009592 , L0009593
L0009601	L0009596 , L0009602	L0009597 , L0009598 , L0009599 , L0009600 , L0009601
L0009609	L0009604 , L0009610	L0009605 , L0009606 , L0009607 , L0009608 , L0009609
L0009617	L0009612 , L0009618	L0009613 , L0009614 , L0009615 , L0009616 , L0009617
L0009625	L0009620 , L0009626	L0009621 , L0009622 , L0009623 , L0009624 , L0009625
	L0009628 , L0009629	L0009630 , L0009631 , L0009632 , L0009633

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L0009633 , L0009634 , L0009635 ,
 L0009641 , L0009642 , L0009643 , L0009636 , L0009637 , L0009638 , L0009639 , L0009640 ,
 L0009649 , L0009650 , L0009651 , L0009644 , L0009645 , L0009646 , L0009647 , L0009648 ,
 L0009657 , L0009658 , L0009659 , L0009652 , L0009653 , L0009654 , L0009655 , L0009656 ,
 L0009665 , L0009666 , L0009667 , L0009660 , L0009661 , L0009662 , L0009663 , L0009664 ,
 L0009673 , L0009674 , L0009675 , L0009668 , L0009669 , L0009670 , L0009671 , L0009672 ,
 L0009681 , L0009682 , L0009683 , L0009676 , L0009677 , L0009678 , L0009679 , L0009680 ,
 L0009689 , L0009690 , L0009691 , L0009684 , L0009685 , L0009686 , L0009687 , L0009688 ,
 L0009697 , L0009698 , L0009699 , L0009692 , L0009693 , L0009694 , L0009695 , L0009696 ,
 L0009705 , L0009706 , L0009707 , L0009700 , L0009701 , L0009702 , L0009703 , L0009704 ,
 L0009713 , L0009714 , L0009715 , L0009708 , L0009709 , L0009710 , L0009711 , L0009712 ,

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
	L0009716 , L0009717 , L0009718 , L0009719 ,	

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

(446792.9, 3772451.9,	338.6,	338.6,	0.0);	(446792.8,
3772438.1,	338.3,	338.3,	0.0);	
(446653.7, 3772549.7,	340.6,	340.6,	0.0);	(446548.8,
3772557.1,	340.5,	340.5,	0.0);	
(446828.6, 3770846.7,	313.4,	313.4,	0.0);	(446827.6,
3770817.0,	313.1,	313.1,	0.0);	
(446829.6, 3770759.6,	312.2,	312.2,	0.0);	(447133.0,
3770736.5,	312.0,	312.0,	0.0);	
(448252.6, 3771356.4,	322.6,	322.6,	0.0);	(446775.5,
3772434.7,	338.4,	338.4,	0.0);	
(446608.4, 3772430.6,	338.4,	338.4,	0.0);	(446668.3,
3772278.4,	335.3,	335.3,	0.0);	
(446916.4, 3772413.8,	337.6,	337.6,	0.0);	(446816.3,
3772175.2,	333.9,	333.9,	0.0);	
(446920.5, 3772235.9,	334.6,	334.6,	0.0);	(445851.9,
3772769.1,	341.9,	341.9,	0.0);	
(446042.0, 3772796.6,	342.6,	342.6,	0.0);	(445538.7,
3772942.8,	343.9,	343.9,	0.0);	
(445335.7, 3773054.9,	345.6,	345.6,	0.0);	

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***

(1=YES; 0=NO)

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

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YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-16.4	0.171	-9.000	-9.000	-999.	170.	32.3	0.09	1.12	
1.00	2.03	43.		7.9	285.9	2.0								
12	01	01	1	02	-18.8	0.194	-9.000	-9.000	-999.	205.	41.3	0.09	1.12	
1.00	2.28	34.		7.9	285.4	2.0								
12	01	01	1	03	-17.8	0.182	-9.000	-9.000	-999.	187.	36.5	0.09	1.12	
1.00	2.15	24.		7.9	282.0	2.0								
12	01	01	1	04	-9.4	0.128	-9.000	-9.000	-999.	110.	19.6	0.09	1.12	
1.00	1.55	41.		7.9	283.1	2.0								
12	01	01	1	05	-16.9	0.173	-9.000	-9.000	-999.	173.	33.0	0.09	1.12	
1.00	2.05	39.		7.9	280.4	2.0								
12	01	01	1	06	-8.0	0.117	-9.000	-9.000	-999.	97.	17.8	0.09	1.12	
1.00	1.43	21.		7.9	282.0	2.0								
12	01	01	1	07	-7.6	0.115	-9.000	-9.000	-999.	93.	17.4	0.09	1.12	
1.00	1.40	31.		7.9	282.5	2.0								
12	01	01	1	08	-13.6	0.184	-9.000	-9.000	-999.	190.	40.5	0.09	1.12	
0.54	2.16	34.		7.9	284.2	2.0								
12	01	01	1	09	28.4	0.126	0.300	0.011	33.	108.	-6.2	0.09	1.12	
0.32	1.03	29.		7.9	289.2	2.0								
12	01	01	1	10	79.8	0.133	0.607	0.010	99.	116.	-2.6	0.09	1.12	
0.25	0.94	173.		7.9	292.5	2.0								
12	01	01	1	11	115.8	0.137	0.932	0.006	246.	121.	-2.0	0.09	1.12	
0.22	0.92	172.		7.9	295.4	2.0								
12	01	01	1	12	133.7	0.139	1.197	0.005	453.	125.	-1.8	0.09	1.12	
0.21	0.92	146.		7.9	297.5	2.0								
12	01	01	1	13	133.2	0.160	1.354	0.005	657.	153.	-2.7	0.09	1.12	
0.21	1.14	117.		7.9	299.9	2.0								
12	01	01	1	14	113.5	0.159	1.454	0.005	955.	151.	-3.1	0.09	1.12	
0.23	1.16	285.		7.9	300.9	2.0								
12	01	01	1	15	76.2	0.166	1.350	0.005	1138.	163.	-5.3	0.09	1.12	
0.26	1.33	72.		7.9	302.0	2.0								
12	01	01	1	16	23.5	0.175	0.925	0.005	1183.	175.	-19.9	0.09	1.12	
0.35	1.65	107.		7.9	301.4	2.0								
12	01	01	1	17	-6.1	0.107	-9.000	-9.000	-999.	86.	18.0	0.09	1.12	
0.63	1.31	107.		7.9	298.1	2.0								
12	01	01	1	18	-11.1	0.141	-9.000	-9.000	-999.	127.	22.1	0.09	1.12	
1.00	1.69	86.		7.9	293.1	2.0								
12	01	01	1	19	-3.2	0.076	-9.000	-9.000	-999.	51.	11.8	0.09	1.12	
1.00	0.91	64.		7.9	292.0	2.0								
12	01	01	1	20	-2.3	0.066	-9.000	-9.000	-999.	41.	11.2	0.09	1.12	
1.00	0.74	73.		7.9	288.8	2.0								
12	01	01	1	21	-10.0	0.133	-9.000	-9.000	-999.	116.	20.5	0.09	1.12	
1.00	1.60	14.		7.9	288.1	2.0								
12	01	01	1	22	-19.4	0.201	-9.000	-9.000	-999.	216.	44.5	0.09	1.12	
1.00	2.36	22.		7.9	287.5	2.0								

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```

12 01 01 1 23 -23.7 0.246 -9.000 -9.000 -999. 293. 66.5 0.09 1.12
1.00 2.86 40. 7.9 287.0 2.0
12 01 01 1 24 -12.3 0.147 -9.000 -9.000 -999. 139. 23.8 0.09 1.12
1.00 1.76 40. 7.9 283.8 2.0

```

First hour of profile data

```

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
12 01 01 01 7.9 1 43. 2.03 286.0 99.0 -99.00 -99.00

```

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

```

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0008906 , L0008907
, L0008908 , L0008909 , L0008910 ,
, L0008911 , L0008912 , L0008913 , L0008914 , L0008915
, L0008926 , L0008927 , L0008928 ,
, L0008929 , L0008930 , L0008931 , L0008932 , L0008933
, L0008934 , L0008935 , L0008936 ,
, L0008937 , L0008938 , L0008939 , L0008940 , L0008941
, L0008942 , L0008943 , . . . ,

```

*** DISCRETE CARTESIAN RECEPTOR POINTS

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

**

```

X-COORD (M) Y-COORD (M) CONC X-COORD (M)
Y-COORD (M) CONC
-----
446792.87 3772451.86 0.00097 446792.75
3772438.11 0.00094
446653.69 3772549.72 0.00026 446548.83
3772557.07 0.00018
446828.59 3770846.72 0.00023 446827.56
3770816.99 0.00023
446829.61 3770759.58 0.00024 447132.97
3770736.50 0.00010

```

11586 8th and Haven

3772434.73	448252.65	3771356.45	0.00003	446775.50
	0.00105			
3772278.45	446608.38	3772430.64	0.00075	446668.30
	0.00128			
3772175.23	446916.42	3772413.84	0.00048	446816.26
	0.00041			
3772769.14	446920.49	3772235.90	0.00039	445851.90
	0.00002			
3772942.79	446042.04	3772796.61	0.00002	445538.66
	0.00001			
	445335.66	3773054.87	0.00001	

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS

AVERAGED OVER 5 YEARS ***

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

**

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

ALL	1ST HIGHEST VALUE IS	0.00128 AT (446668.30, 3772278.45,
335.32,	335.32, 0.00) DC		
	2ND HIGHEST VALUE IS	0.00105 AT (446775.50, 3772434.73,
338.44,	338.44, 0.00) DC		
	3RD HIGHEST VALUE IS	0.00097 AT (446792.87, 3772451.86,
338.61,	338.61, 0.00) DC		
	4TH HIGHEST VALUE IS	0.00094 AT (446792.75, 3772438.11,
338.33,	338.33, 0.00) DC		
	5TH HIGHEST VALUE IS	0.00075 AT (446608.38, 3772430.64,
338.41,	338.41, 0.00) DC		
	6TH HIGHEST VALUE IS	0.00048 AT (446916.42, 3772413.84,
337.61,	337.61, 0.00) DC		
	7TH HIGHEST VALUE IS	0.00041 AT (446816.26, 3772175.23,
333.95,	333.95, 0.00) DC		

11586 8th and Haven
334.56, 8TH HIGHEST VALUE IS 0.00039 AT (446920.49, 3772235.90,
334.56, 0.00) DC
340.57, 9TH HIGHEST VALUE IS 0.00026 AT (446653.69, 3772549.72,
340.57, 0.00) DC
312.25, 10TH HIGHEST VALUE IS 0.00024 AT (446829.61, 3770759.58,
312.25, 0.00) DC

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

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*** 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 1628 Informational Message(s)

A Total of 43848 Hours Were Processed
A Total of 1278 Calm Hours Identified
A Total of 350 Missing Hours Identified (0.80 Percent)

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

***** WARNING MESSAGES *****
ME W186 1765 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 1765 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

11586 8th and Haven

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APPENDIX 2.2:
RISK CALCULATIONS

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)	
		0.00100			1.00E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.3E-07	1.9E-07	5.0E+00	1.4E-03	2.0E-04					
TOTAL								1.9E-07			2.0E-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) 2
inhalation rate (L/kg-day) 758
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)	
		0.00100			1.00E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.5E-07	2.5E-07	5.0E+00	1.4E-03	2.0E-04					
TOTAL								2.5E-07			2.0E-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) 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)	
		0.00100			1.00E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.5E-07	3.8E-08	5.0E+00	1.4E-03	2.0E-04					
TOTAL								3.8E-08			2.0E-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) 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) 0.48

Table 5
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
25-Year Worker Exposure Scenario

	Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**														
		(b)	(c)			URF ($\mu\text{g}/\text{m}^3\text{-}1$) (f)	CPF ($\text{mg}/\text{kg}/\text{day}$) ¹ (g)	DOSE ($\text{mg}/\text{kg}/\text{day}$) (h)	RISK (i)	REL ($\mu\text{g}/\text{m}^3$) (j)	RfD ($\text{mg}/\text{kg}/\text{day}$) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)					
		($\mu\text{g}/\text{m}^3$)	(mg/m^3)																					
1	Diesel Particulates	1.28E-03	1.28E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.3E-07	8.6E-08	5.0E+00	1.4E-03	2.6E-04												
TOTAL									9.8E-08 0.10		2.9E-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	0.0E+00	0.0E+00			

** Key to Toxicological Endpoints

Note: Exposure factors used to calculate contaminant intake

RESP	Respiratory System	exposure frequency (days/year)	240
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	25
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day)	271
IMMUN	Immune System	inhalation absorption factor	1
KIDN	Kidney	averaging time (years)	70
GI/LV	Gastrointestinal System/Liver		
REPRO	Reproductive System (e.g. teratogenic and developmental effects)		
EYES	Eye irritation and/or other effects		

Table 6
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
9-Year School Child Exposure Scenario

	Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**										
		(b)	(c)			URF (f)	CPF (g)	DOSE (h)	RISK (i)	REL (j)	RfD (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)	
		(ug/m ³)	(mg/m ³)			(ug/m ³) ⁻¹	(mg/kg/day) ⁻¹	(mg/kg-day)		(ug/m ³)	(mg/kg/day)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	
1	Diesel Particulates	2.00E-05	2.00E-08	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.6E-09	2.3E-09	5.0E+00	1.4E-03	4.0E-06								
TOTAL									2.3E-08 0.02		4.0E-05	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

Note: Exposure factors used to calculate contaminant intake

RESP	Respiratory System	exposure frequency (days/year)	180
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	9
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day)	572
IMMUN	Immune System	inhalation absorption factor	1
KIDN	Kidney	averaging time (years)	70
GI/LV	Gastrointestinal System/Liver	age sensitivity factor (ages 4-13)	3
REPRO	Reproductive System (e.g. teratogenic and developmental effects)		
EYES	Eye irritation and/or other effects		