



**IDI Rider 2 and 4 High Cube
Warehouses and Perris Valley
Storm Drain Channel
Improvement Project Focused
MOBILE SOURCE HEALTH RISK ASSESSMENT
(WITH I-215 FREEWAY/PLACENTIA AVENUE
INTERCHANGE)
CITY OF PERRIS**

PREPARED BY:

Haseeb Qureshi
hqureshi@urbanxroads.com

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TABLE OF CONTENTS

TABLE OF CONTENTS	I
APPENDICES	I
LIST OF EXHIBITS	II
LIST OF TABLES	II
LIST OF ABBREVIATED TERMS	III
EXECUTIVE SUMMARY	1
1 INTRODUCTION	3
1.1 Site Location.....	4
1.2 Project Description.....	4
2 BACKGROUND	7
2.1 Background on Recommended Methodology	7
2.2 Emissions Estimation	7
2.3 Exposure Quantification	12
2.4 Carcinogenic Chemical Risk.....	15
2.5 Non-carcinogenic Exposures.....	16
2.6 Potential Project-Related DPM Source Cancer and Non-Cancer Risks	17
2.7 Cumulative Toxic Air Contaminants (TAC) Emissions Impacts.....	20
3 REFERENCES	25
4 CERTIFICATION	27

APPENDICES

- APPENDIX 2.1: AERMOD MODEL INPUT/OUTPUT**
- APPENDIX 2.2: RISK CALCULATIONS**

LIST OF EXHIBITS

EXHIBIT 1-A: LOCATION MAP	5
EXHIBIT 1-B: SITE PLAN	6
EXHIBIT 2-A: MODELED EMISSION SOURCES	10
EXHIBIT 2-B: WIND ROSE (SRA 24)	13
EXHIBIT 2-B: MODELED RECEPTORS	19
EXHIBIT 2-G: CUMULATIVE DEVELOPMENT WITHIN 1/4 MILE OF THE PROJECT AND PRIMARY TRUCK ROUTE	22

LIST OF TABLES

TABLE ES-1: SUMMARY OF CANCER AND NON-CANCER RISKS	2
TABLE 2-1: 2021 WEIGHTED AVERAGE DPM EMISSIONS FACTORS	9
TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (2021 ANALYSIS YEAR)	11
TABLE 2-3: AERMOD MODEL PARAMETERS.....	12
TABLE 2-4: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL).....	14
TABLE 2-5: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER).....	14
TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD).....	15
TABLE 2-7: CUMULATIVE DEVELOPMENT LAND USES WITHIN ¼ MILE WITH POTENTIAL TO EMIT TACS	

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	IDI Rider 2 and 4 High Cube Warehouses and Perris Valley Storm Drain Channel Improvement Project Focused
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 Health Risk Assessment (HRA) evaluates the potential mobile source health risk impacts to sensitive receptors (residential, schools) and adjacent workers associated with the development of the *IDI Rider 2 and 4 High Cube Warehouses and Perris Valley Storm Drain Channel Improvement Project Focused Mobile Source Health Risk Assessment (With I-215 Freeway/Placentia Avenue Interchange)*, more specifically, health risk impacts as a result of exposure to 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 DPM emissions are provided in Table ES-1 below for the Project.

Residential Exposure Scenario:

The residential location with the greatest potential exposure to Project DPM source emissions is located approximately 110 feet¹ south of the Rider 2 and represents an existing non-conforming residence within a light industrial-designated land use. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 5.36 in one million, which is less than the South Coast Air Quality Management District's (SCAQMD's) significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.002, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are located at a greater distance than the scenario analyze herein, and DPM dissipates with distance from the source, all other residential receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent residences.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located immediately adjacent to the west of Rider 4. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.67 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.002, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the scenario analyze herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers.

¹ For purposes of the HRA it is appropriate to place the modeled receptor at the actual building façade, or where an individual would have the propensity to stay for a long-term duration over a 30-year exposure scenario. The AQIA evaluates potential impacts from localized emissions over 1, 8, and 24-hour periods and therefore uses a different distance of measuring to the property line, which results in a different distance of 50 feet. The HRA appropriately evaluates the potential impacts that could occur at a residential occupancy based on where an individual could reasonably remain over the course of 30 years.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions located at the May Ranch Elementary School located more than 2,000 feet east of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.09 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be 0.0002, which would not exceed the applicable significance threshold of 1.0. Any other schools near the Project site 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 nearby 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	5.36	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.67	10	NO
9 Year Exposure	Maximum Exposed School Child	0.09	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.002	1.0	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.002	1.0	NO
9 Year Exposure	Maximum Exposed School Child	0.0002	1.0	NO

1 INTRODUCTION

The purpose of this 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 SCAQMD reviewed the conceptual site plan for the proposed Project and provided input to the City on the scope of the air quality analysis (SCAQMD comment letter on the Notice of Preparation, letter dated November 5, 2019). SCAQMD identifies that if a proposed Project is expected to generate/attract heavy-duty diesel trucks, which emit DPM, preparation of a mobile source HRA is recommended. 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 SCAQMD 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 SAQMD 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 Project site is located in the City of Perris on the northeast corner of Redlands Avenue and Rider Street in the PVCC SP area, as shown on Exhibit 1-A. The March Air Reserve Base/Inland Port Airport (MARB/IPA) is located approximately 2 to 2.5 miles northwest of the Project site, and the Interstate 215 (I-215) Freeway is located roughly 1.8 miles west of the Project site.

Existing land uses in the Project study area include an existing recreational vehicle (RV) park use to the north on the southwest corner of Redlands Avenue and Ramona Expressway; Morgan Park and residential homes located northeast, east, and south of the Project site across the PVSD Channel; and industrial uses located west of the Project site within areas defined by the PVCC SP and City of Perris Zoning Map as light industrial-designated land use (LI) (3) (4).

1.2 PROJECT DESCRIPTION

The Project is proposed to consist of two High-Cube Transload Short-Term Storage Warehouse (without cold storage) buildings totaling approximately 1,373,449 square feet (sf) (Rider 2 is to consist of approximately 806,351 sf and Rider 4 is to consist of approximately 567,098 sf) of High-Cube Transload Short-Term Storage Warehouse (without cold storage) and the development and subsequent operations and maintenance of improvements to the PVSD Channel. At the time this HRA was prepared, Rider 2 was proposed to consist of 806,351 sf and Rider 4 was proposed to consist of 567,098 sf of High-Cube Transload and Short-Term Storage Warehouse use (without cold storage). However, the current site plan shows 804,759 sf for Rider 2 and 547,977 sf for Rider 4. The higher square footages for Rider 2 and Rider 4 have been evaluated for the purposes of this HRA in order to account for any minor changes that may occur to the building area as part of the final design. Exhibit 1-B shows the Project site plan.

At the time this HRA was prepared the future tenants of the proposed Project were unknown. To present the potential worst-case conditions, this analysis assumes the Project would be operated 24 hours per day, seven days per week. It is expected that the Project business operations would primarily be conducted within the enclosed buildings, except for traffic movement, parking, as well as loading and unloading of trucks at designated loading bays. This HRA is intended to describe emission impacts associated with the expected typical industrial warehouse activities at the Project site. At the time of this analysis, no cold storage was planned at the Project site, and is therefore not analyzed in this report.

According to the *IDI Rider 2 and 4 High Cube Warehouses and Perris Valley Storm Drain Channel Improvement Project Focused Traffic Impact Analysis* (TIA) prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 1,926 two-way vehicular trips per day (963 inbound and 963 outbound) (5). The Project trip generation includes 1,304 two-way passenger car trips per day (652 inbound and 652 outbound) and 622 two-way truck trips per day (311 inbound and 311 outbound) from the proposed buildings within the Project site. This HRA evaluates the potential impacts resulting from diesel exhaust from the 622 two-way truck trips generated by the Project.

EXHIBIT 1-A: LOCATION MAP

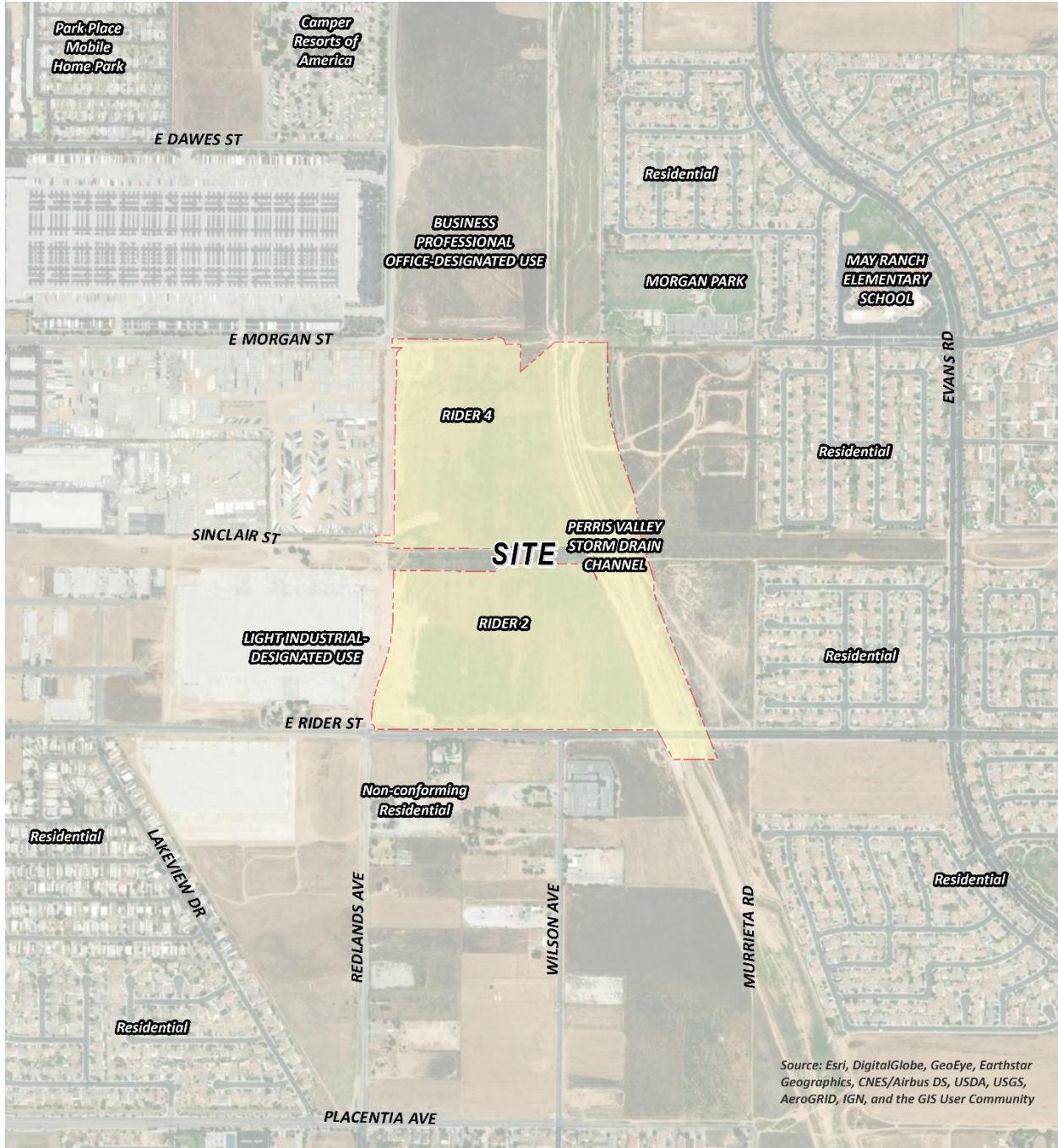
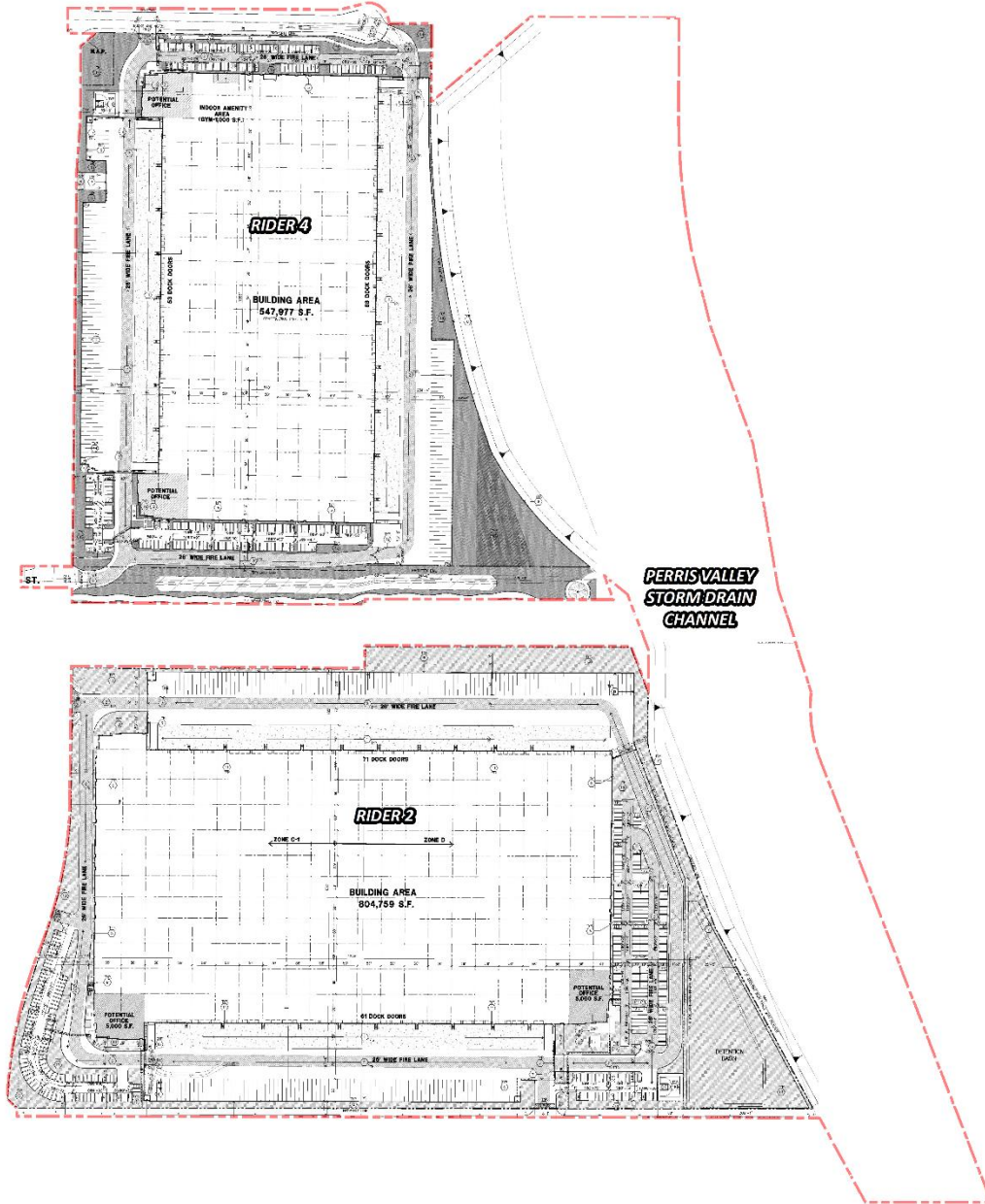


EXHIBIT 1-B: SITE PLAN



2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

This HRA is based on SCAQMD guidelines to produce conservative estimates of human health 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 because it represents breathing rates that are high for the human body (95% higher than the average population).
- The emissions derived assume that every truck accessing the Project site will idle for 15 minutes under the unmitigated scenario, and this is an overestimation of actual idling times and thus conservative.² The California Air Resources Board (CARB'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 calculated using emission factors for particulate matter less than $10\mu\text{m}$ in diameter (PM_{10}) generated with the 2017 version of the Emission FACTor model (EMFAC) developed by the CARB. EMFAC 2017 is a mathematical model that CARB 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 (6). The most recent version of this model, EMFAC 2017, 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 2017. Emission factors calculated using EMFAC 2017 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.

For this Project, annual average PM_{10} emission factors were generated by running EMFAC 2017 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

² 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.

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 2021 EMFAC 2017 run was conducted and a static 2021 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2021 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 into vehicles after 2021. Additionally, based on EMFAC 2017, Light-Heavy-Duty Trucks are comprised of 47.72% diesel, Medium-Heavy-Duty Trucks are comprised of 82.28% diesel, and Heavy-Heavy-Duty Trucks are comprised of 96.13% diesel. Thus, Trucks fueled by diesel are accounted for by these percentages 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 (6):

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

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 assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (6):

$$\text{Emissions}_{\text{Idle}} \text{ (g/s)} = \text{EF}_{\text{Idle}} \text{ (g/hr)} * \text{Number of Trips (trips/day)} * \text{Idling Time (min/trip)} * \frac{60 \text{ minutes}}{\text{per hour}} / \text{seconds per day}$$

Where:

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

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

TABLE 2-1: 2021 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.12133 (g/idle-hr)
5	0.09847 (g/s)
25	0.04028 (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 modeled truck travel routes included in the HRA are based on the truck trip distributions (inbound and outbound) available from the Project’s Traffic Impact Analysis (TIA) (5). The modeled truck route is consistent with the trip distribution patterns identified in the Project’s traffic study, is supported by substantial evidence, and was modeled to determine the potential impacts to sensitive receptors along the primary truck routes. The modeling domain is limited to the Project’s primary truck route and includes off-site sources in the study area for approximately 2 miles. This modeling domain is 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 (7) (in the case of the Project this is the on-site idling, travel, and on-site equipment).

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 (8), 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.

Based on the TIA the Project is expected to generate a total of approximately 622 two-way truck trips per day, including 106 2-axle (LHD), 128 3-axle (MHD), and 388 4+-axle (HHD) two-way truck trips per day (5).

EXHIBIT 2-A: MODELED EMISSION SOURCES



Source: Esri, DigitalGlobe, GeoEye, Earthstar, Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Legend

— On-Site Idling, On-Site Travel, Off-Site Travel

TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS (2021 ANALYSIS YEAR)

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 Rider 4 (West Side)	62			0.1213	1.88	2.180E-05
On-Site Idling Rider 4 (East Side)	62			0.1213	1.88	2.180E-05
On-Site Idling Rider 2 (West Side)	93			0.1213	2.83	3.270E-05
On-Site Idling Rider 2 (East Side)	93			0.1213	2.83	3.270E-05
On-Site Travel Rider 4	248	172.36	0.0985		16.97	1.964E-04
On-Site Travel Rider 2	373	292.02	0.0985		28.76	3.328E-04
Off-Site Travel 100% Inbound/Outbound	621	1559.62	0.0403		62.83	7.271E-04
Off-Site Travel 30% Inbound/Outbound Rider 2	186	56.82	0.0403		2.29	2.649E-05
Off-Site Travel 30% Inbound/Outbound Rider 2	186	56.85	0.0403		2.29	2.651E-05
Off-Site Travel 20% Outbound Rider 4	62	11.39	0.0403		0.46	5.313E-06
Off-Site Travel 15% Inbound/Outbound Rider 4	93	21.74	0.0403		0.88	1.014E-05
Off-Site Travel 25% Inbound Rider 4	78	10.16	0.0403		0.41	4.738E-06
Off-Site Travel 5% Outbound Rider 4	16	2.03	0.0403		0.08	9.477E-07

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

^b Emission rates determined using EMFAC 2017. 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.

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 Lakes AERMOD View (Version 9.7.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA’s latest AERMOD Version 19191 (9).

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 (10). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD’s Perris monitoring station (SRA 24) was used to represent local weather conditions and prevailing winds (11). A wind rose exhibit of the Perris monitoring station is provided at Exhibit 2-B.

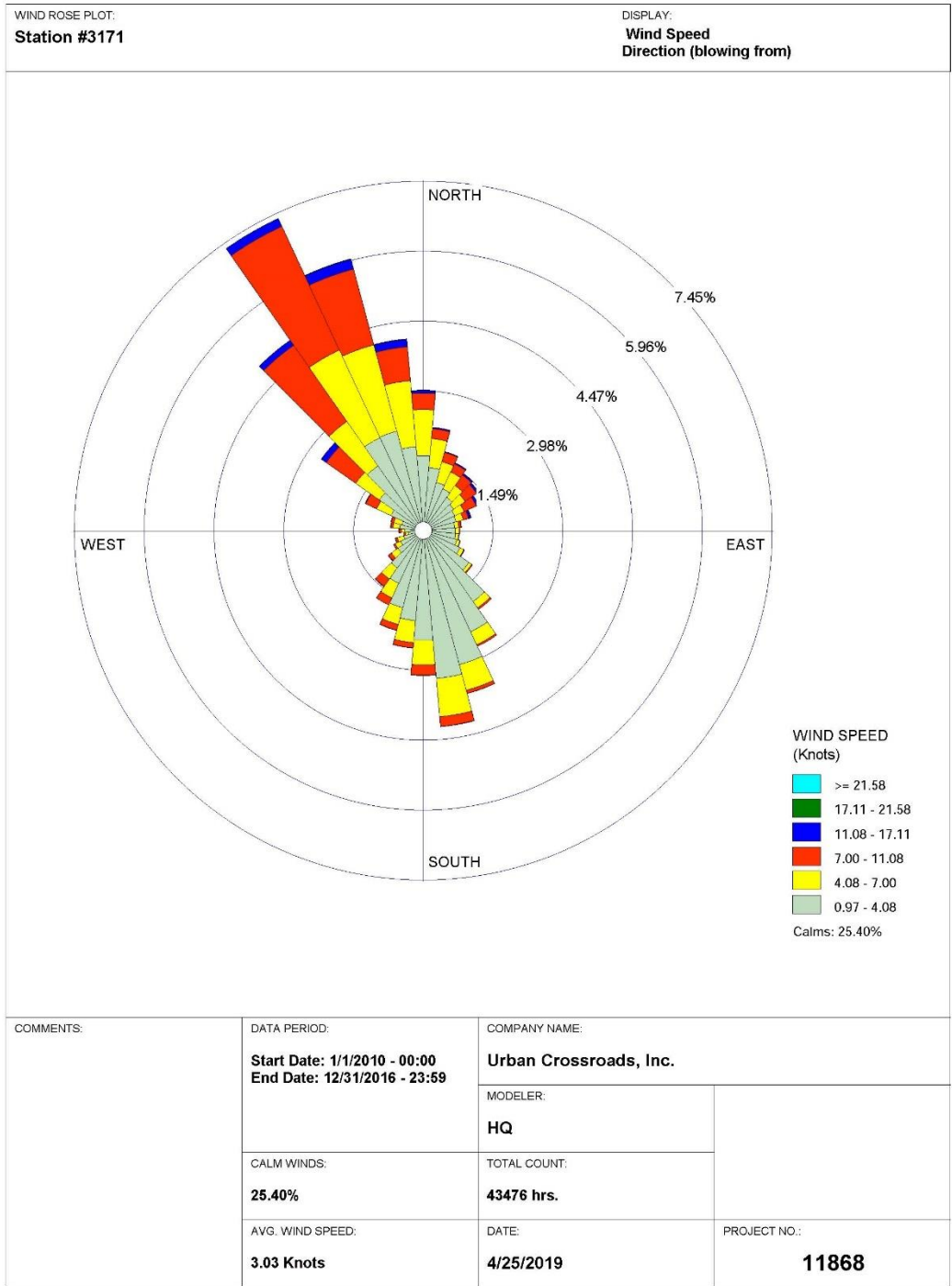
TABLE 2-3: AERMOD MODEL PARAMETERS

Dispersion Coefficient	Urban
Population	2,189,641
Terrain	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”.

Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace’s building, and not on the property line. 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 residents and workers over a period of 30 or 25 years of exposure, respectively. As such, even though 30 or 25 years of outdoor exposure is unlikely to occur in practical terms (because of the amount of time spent indoors), this study assumes that a resident

EXHIBIT 2-B: WIND ROSE (SRA 24)



WRPLOT View - Lakes Environmental Software

would be exposed over 30 years for 24-hours per day at the exterior of the structure where they reside and that a worker would be exposed over 25 years for 12-hours per day at the exterior of the property where they work, positioned on the property line closest to the Project site. Similarly, the HRA evaluates the potential health risks to school children and assumes a school child would be exposed over 9 years for 12-hours per day at the exterior of the school site(s) considered in this analysis.

Any impacts to residents or workers located further away from the Project site than the modeled residential and worker receptors would have a lesser impact than what has already been disclosed in the HRA at the MEIR and MEIW. Consistent with SCAQMD modeling guidance, all receptors were set to the elevation so that only ground-level concentrations are analyzed (12).

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines (13). Tables 2-4 through 2-6 summarize the Exposure Parameters for Residents, Offsite Worker, and School exposure 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	361	10	0.25	0.85	350	24
0 to 2	1090	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	230	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)
9 year duration	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.

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

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:

$$HI_{DPM} = C_{DPM}/REL_{DPM}$$

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 RISKS³

Residential Exposure Scenario:

The residential location with the greatest potential exposure to Project DPM source emissions is located approximately 110 feet⁴ south of the Rider 2 and represents an existing non-conforming residence within a light industrial-designated land use. At the MEIR, the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 5.36 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.002, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are located at a greater distance than the scenario analyze herein, and DPM dissipates with distance from the source, all other residential receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to 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 to the west of Rider 4. At the MEIW, the maximum incremental cancer risk impact at this location is 0.67 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.002, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the scenario analyze herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-B.

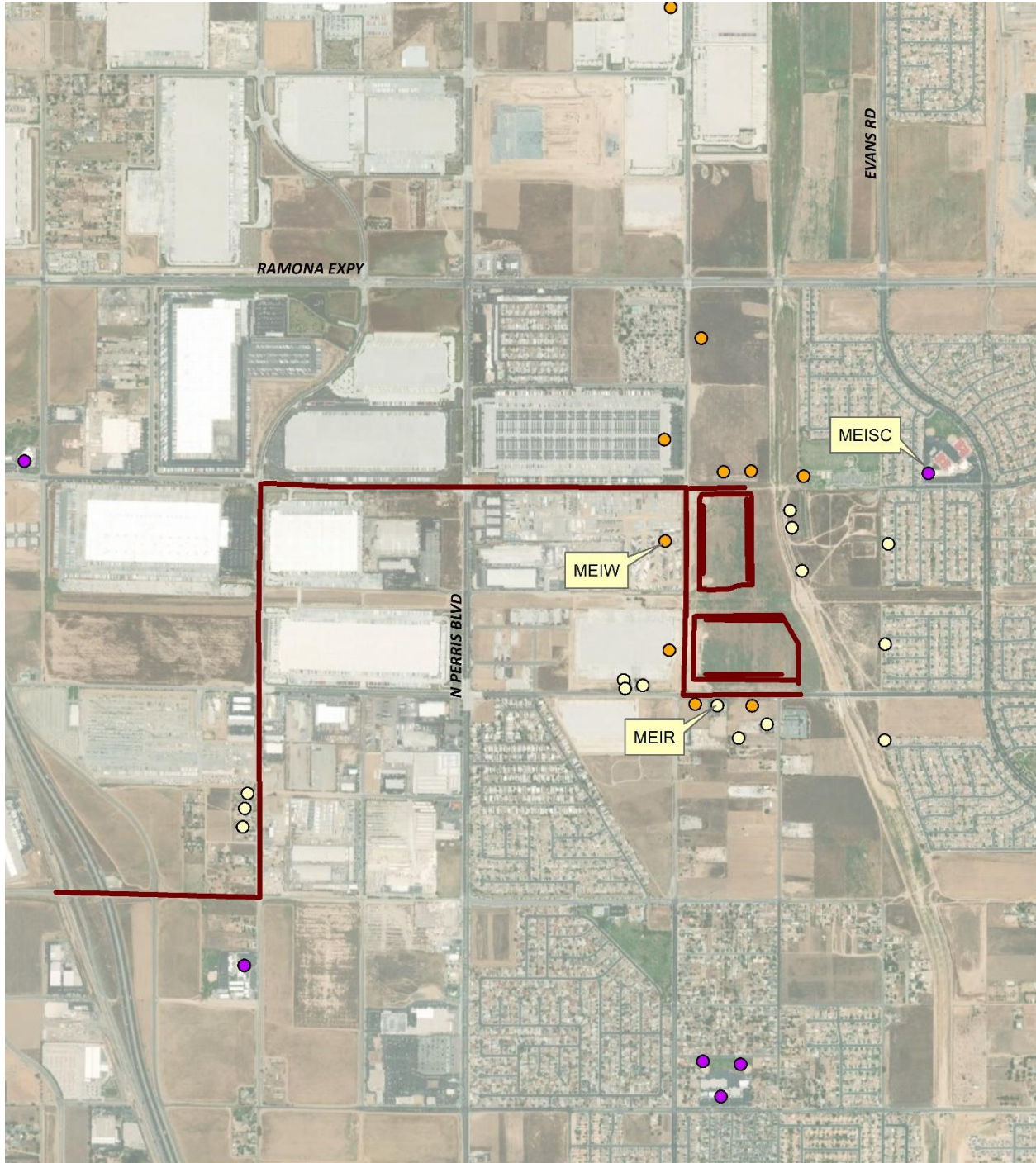
³ SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate 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.

⁴ For purposes of the HRA it is appropriate to place the modeled receptor at the actual building façade, or where an individual would have the propensity to stay for a long-term duration over a 30-year exposure scenario. The AQIA evaluates potential impacts from localized emissions over 1, 8, and 24-hour periods and therefore uses a different distance of measuring to the property line, which results in a different distance of 50 feet. The HRA appropriately evaluates the potential impacts that could occur at a residential occupancy based on where an individual could reasonably remain over the course of 30 years.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions located at the May Ranch Elementary School located more than 2,000 feet east of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project at this location is calculated to be an estimated 0.09 in one million which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be 0.0002, which would not exceed the applicable significance threshold of 1.0. Any other schools near the Project site 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 nearby school children. The nearest modeled receptors are illustrated on Exhibit 2-B.

EXHIBIT 2-B: MODELED RECEPTORS



Legend

- Resident
- School
- Worker
- On-Site Idling, On-Site Travel, Off-Site Travel

2.7 CUMULATIVE TOXIC AIR CONTAMINANTS (TAC) EMISSIONS IMPACTS

2.7.1 BACKGROUND

There are no state or federal ambient air quality standards applicable to TAC emissions. Preparing a cumulative assessment for TACs is complicated by the fact that site-specific impacts can be far different from average impacts over a larger geographic area. Impacts from TAC emissions are highest closest to sources of TACs, but the sources are often spread over a large area. For example, emissions from diesel engines, the largest source of risk from TACs, are operated on roads, businesses, and construction sites throughout the air basin. Locations where large numbers of TAC sources are concentrated such as freeways, rail yards, and ports may pose a higher level of risk to sensitive receptors near these facilities. Examination of the risk from TACs at national, state, regional, and local levels is useful for providing context, but site-specific evaluation is ultimately necessary to determine existing conditions for development projects.

2.7.2 JUSTIFICATION OF THE GEOGRAPHIC SCOPE OF THE ANALYSIS

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on ARB and SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (7).

The 1,000-foot evaluation distance is supported by research-based findings concerning TAC emission dispersion rates from roadways and large sources showing that emissions diminish substantially between 500 and 1,000 feet from emission sources.

For assessing the cumulative impacts of a new source of TAC emissions associated with a project in combination with existing sources and probable future sources, a project radius is necessary. Assessment of impacts from existing sources within 1,000 feet of the new source in combination with risks and hazards from the new source is recommended. Then, once the location of the maximally impacted receptor is identified for the project, cumulative impacts from other sources within the radius of the project (i.e., not the receptor) are assessed at that location. Assessments should sum individual hazards or risks to find the cumulative impact at the location of the maximally impacted receptor from the new source.

Lastly, the Waters Bill (AB 3205) (H&SC Section, 42301.6 through 42301.9) (14) addresses sources of hazardous air pollutants near schools and although not directly applicable to this project, this bill further evidences the propriety of considering hazardous emissions sources within a defined 1,000 foot radius. That is, pursuant to the Waters Bill, prior to approving an application for a permit to construct or modify a source which emits hazardous air emissions (i.e. DPM), which source is located within 1,000 feet from the outer boundary of a school site, the air pollution control officer shall prepare a public notice in which the proposed project or modification for which the application for a permit is made is fully described.

For purposes of this assessment, a one-quarter mile radius or 1,320 feet geographic scope is utilized for determining potential cumulative impacts. This radius is more robust than, and provides a more health protective scenario for evaluation than the 1,000-foot impact radius identified above.

2.7.3 RELATED PROJECTS CONTRIBUTION TO CUMULATIVE TAC IMPACTS

New or proposed potential TAC-generating projects (related projects) in the Study Area could contribute to cumulative TAC impacts.

In consultation with the Lead Agency, related TAC-generating projects located within a one-quarter mile radius of the Project and off-site truck travel routes were identified and are reflected in this cumulative TAC analysis. The related projects listed below were selected based on their propensity to generate TACs that would contribute to, or interact with, TACs generated by the Project. Exhibit 2-C illustrates cumulative projects in the study area and a quarter-mile buffer.

Of the cumulative projects identified in the Project’s traffic study, the following projects summarized on Table 2-7 have the potential to emit TACs and are located within the quarter-mile buffer of the Project site and primary truck routes.

TABLE 2-7: CUMULATIVE DEVELOPMENT LAND USES WITHIN ¼ MILE WITH POTENTIAL TO EMIT TACS

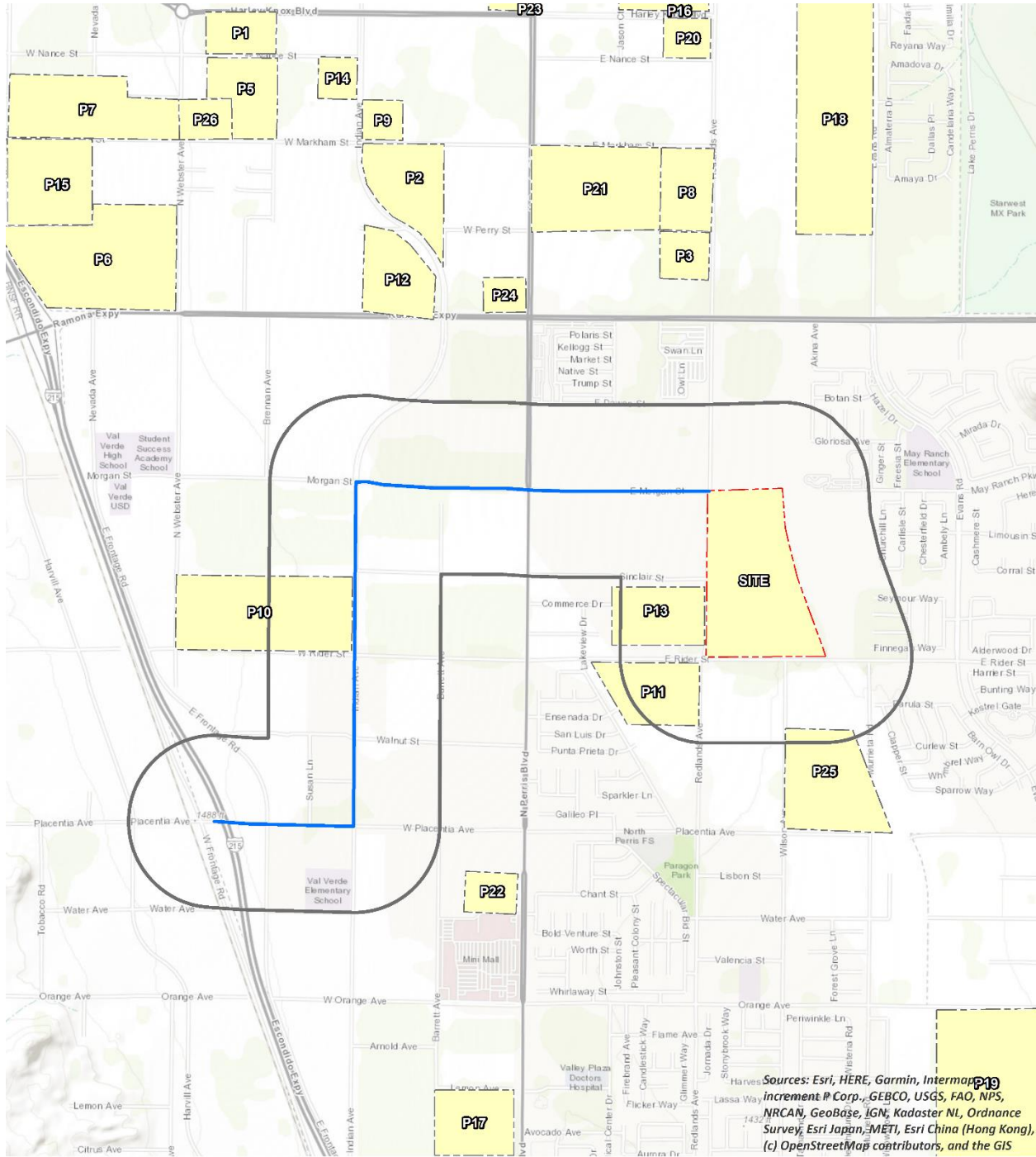
No.	Project Name / Case Number	Jurisdiction	Land Use	Quantity	Units ¹	Risk Per Million ²
P10	Rados / DPR 07-0119	Perris	Warehousing	1,200.000	TSF	--
P11	Rider 1 / DPR 16-0365	Perris	High-Cube Warehouse	350.000	TSF	--
P13	Rider 3 / DPR 06-0432	Perris	High-Cube Warehouse	640.000	TSF	--
P25	Wilson Industrial / DPR 19-00007	Perris	High-Cube Warehouse	303.000	TSF	--

¹ TSF = Thousand Square Feet

² -- = Estimated Risk Value not readily available

The primary TAC-source emission associated with the cumulative projects would be DPM associated with any truck trips accessing the cumulative projects and traveling on roadways in the study area. Estimated cancer risk associated with the cumulative projects identified above cannot be meaningfully quantified at this time since the estimated risk value for each of the projects identified above is not readily available. Only known available risk estimates would be included since it would be too speculative to estimate the risk values for other projects without knowing significant project-related information for each cumulative development. Notwithstanding, it can reasonably be presumed that each of the individual cumulative projects identified above would generate less than a 10 in one million risk value.

EXHIBIT 2-G: CUMULATIVE DEVELOPMENT WITHIN 1/4 MILE OF THE PROJECT AND PRIMARY TRUCK ROUTE



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS

- LEGEND:**
- Off-Site Truck Travel
 - Site Boundary
 - Quarter-Mile Radius
 - Cumulative Development

2.7.4 PROJECT MAXIMUM CONTRIBUTION TO CUMULATIVE TAC IMPACTS

Project-source TACs would incrementally increase the cumulative cancer risk by a maximum of 5.36 incidents per million population. The applicable SCAQMD significance threshold for Project-level TAC-source cancer risk impacts is 10 incidents per million population. Similarly, SCAQMD significance thresholds state that Project contributions to cumulative TAC-source cancer risks would be cumulatively considerable if greater than 10 incidents per million population would occur. The 5.36 incidents per million population increment resulting from the Project is therefore not significant, nor cumulatively considerable.

2.7.5 CUMULATIVE IMPACTS

The Project's contribution is less than cumulatively considerable because it is less than the 10 in one million incremental cancer risk thresholds established by the SCAQMD. Lastly, it should be noted that although there will be ambient growth in the Project vicinity, any increase in emissions and consequently cancer risk from ambient growth would be offset by the expected decrease in future risk estimates due to the natural turnover of older fleets and equipment being replaced by more efficient, less polluting engines and regulatory actions being phased in.

As noted above at Section 2.7.4, the Project's maximum contribution to cumulative TAC Impacts would not be cumulatively considerable.

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3 REFERENCES

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14. **CAL HSC Code 42301.6 California Code - Section 42301.6. Find Law.** [Online]
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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 IDI Rider 2 and 4 High Cube Warehouses and Perris Valley Storm Drain Channel Improvement Project Focused 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.

Haseeb Qureshi
Associate Principal
hqureshi@urbanxroads.com

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

11558 Rider 2 and 4 (10-19)

** Lakes Environmental AERMOD MPI

**

**

** AERMOD INPUT PRODUCED BY:

** AERMOD VIEW VER. 9.8.1

** LAKES ENVIRONMENTAL SOFTWARE INC.

** DATE: 10/31/2019

** FILE: C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4 (10-19)\11558 RIDER 2 AND 4 (10-19).ADI

**

**

**

** AERMOD CONTROL PATHWAY

**

**

CO STARTING

TITLEONE C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4 (10-19)\11558 RIDER 2 AND 4

MODELOPT DFAULT CONC

AVERTIME ANNUAL

URBANOPT 2189641

POLLUTID DPM

RUNORNOT RUN

ERRORFIL "11558 RIDER 2 AND 4 (10-19).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 RIDER 4 (WEST SIDE)

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.0000218

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

11558 Rider 2 and 4 (10-19)

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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE2

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** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.0000218

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

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** 480168.768, 3743791.505, 439.00, 3.49, 4.00

11558 Rider 2 and 4 (10-19)

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** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.0000327

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

11558 Rider 2 and 4 (10-19)

** NODES = 2

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LOCATION L0002537 VOLUME 480113.716 3743635.568 439.00
LOCATION L0002538 VOLUME 480122.306 3743635.538 439.00
LOCATION L0002539 VOLUME 480130.896 3743635.508 439.00
LOCATION L0002540 VOLUME 480139.486 3743635.479 439.00
LOCATION L0002541 VOLUME 480148.076 3743635.449 439.00
LOCATION L0002542 VOLUME 480156.666 3743635.419 439.00
LOCATION L0002543 VOLUME 480165.256 3743635.389 438.82
LOCATION L0002544 VOLUME 480173.845 3743635.359 438.54
LOCATION L0002545 VOLUME 480182.435 3743635.330 438.25
LOCATION L0002546 VOLUME 480191.025 3743635.300 438.00
LOCATION L0002547 VOLUME 480199.615 3743635.270 438.00
LOCATION L0002548 VOLUME 480208.205 3743635.240 438.00
LOCATION L0002549 VOLUME 480216.795 3743635.210 438.00
LOCATION L0002550 VOLUME 480225.385 3743635.180 438.00
LOCATION L0002551 VOLUME 480233.975 3743635.151 438.00
LOCATION L0002552 VOLUME 480242.565 3743635.121 438.00
LOCATION L0002553 VOLUME 480251.155 3743635.091 438.00
LOCATION L0002554 VOLUME 480259.745 3743635.061 438.00
LOCATION L0002555 VOLUME 480268.335 3743635.031 438.00
LOCATION L0002556 VOLUME 480276.925 3743635.002 438.00
LOCATION L0002557 VOLUME 480285.515 3743634.972 438.05
LOCATION L0002558 VOLUME 480294.105 3743634.942 438.14

** END OF LINE VOLUME SOURCE ID = SLINE3

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE4

** DESCRSRC ON-SITE IDLING RIDER 2 (SOUTH SIDE)

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.0000327

** VERTICAL DIMENSION = 6.99

11558 Rider 2 and 4 (10-19)

** SZINIT = 3.25

** NODES = 2

** 480005.868, 3743425.987, 439.00, 3.49, 4.00

** 480299.783, 3743424.967, 438.00, 3.49, 4.00

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LOCATION L0002559      VOLUME  480010.163 3743425.972 439.00
LOCATION L0002560      VOLUME  480018.752 3743425.942 439.00
LOCATION L0002561      VOLUME  480027.342 3743425.912 439.00
LOCATION L0002562      VOLUME  480035.932 3743425.882 439.00
LOCATION L0002563      VOLUME  480044.522 3743425.853 439.00
LOCATION L0002564      VOLUME  480053.112 3743425.823 439.00
LOCATION L0002565      VOLUME  480061.702 3743425.793 439.00
LOCATION L0002566      VOLUME  480070.292 3743425.763 439.00
LOCATION L0002567      VOLUME  480078.882 3743425.733 439.00
LOCATION L0002568      VOLUME  480087.472 3743425.704 439.00
LOCATION L0002569      VOLUME  480096.062 3743425.674 439.00
LOCATION L0002570      VOLUME  480104.652 3743425.644 439.00
LOCATION L0002571      VOLUME  480113.242 3743425.614 439.00
LOCATION L0002572      VOLUME  480121.832 3743425.584 439.00
LOCATION L0002573      VOLUME  480130.422 3743425.554 439.00
LOCATION L0002574      VOLUME  480139.012 3743425.525 439.00
LOCATION L0002575      VOLUME  480147.602 3743425.495 439.00
LOCATION L0002576      VOLUME  480156.192 3743425.465 439.00
LOCATION L0002577      VOLUME  480164.782 3743425.435 439.00
LOCATION L0002578      VOLUME  480173.372 3743425.405 439.00
LOCATION L0002579      VOLUME  480181.962 3743425.376 439.00
LOCATION L0002580      VOLUME  480190.551 3743425.346 438.98
LOCATION L0002581      VOLUME  480199.141 3743425.316 438.69
LOCATION L0002582      VOLUME  480207.731 3743425.286 438.41
LOCATION L0002583      VOLUME  480216.321 3743425.256 438.12
LOCATION L0002584      VOLUME  480224.911 3743425.227 438.00
LOCATION L0002585      VOLUME  480233.501 3743425.197 438.00
LOCATION L0002586      VOLUME  480242.091 3743425.167 438.00
LOCATION L0002587      VOLUME  480250.681 3743425.137 438.00
LOCATION L0002588      VOLUME  480259.271 3743425.107 438.00
LOCATION L0002589      VOLUME  480267.861 3743425.078 438.00
LOCATION L0002590      VOLUME  480276.451 3743425.048 438.00
LOCATION L0002591      VOLUME  480285.041 3743425.018 438.00
LOCATION L0002592      VOLUME  480293.631 3743424.988 438.00

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** END OF LINE VOLUME SOURCE ID = SLINE4

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE5

** DESCRSRC ON-SITE TRAVEL RIDER 4

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.0001964

11558 Rider 2 and 4 (10-19)

** VERTICAL DIMENSION = 6.99
 ** SZINIT = 3.25
 ** NODES = 15
 ** 479992.830, 3744122.413, 440.00, 3.49, 4.00
 ** 480180.237, 3744124.501, 439.00, 3.49, 4.00
 ** 480182.586, 3744118.497, 439.00, 3.49, 4.00
 ** 480183.630, 3744109.362, 439.00, 3.49, 4.00
 ** 480185.457, 3743780.747, 439.00, 3.49, 4.00
 ** 480186.762, 3743772.656, 439.00, 3.49, 4.00
 ** 480159.617, 3743771.873, 439.00, 3.49, 4.00
 ** 480145.000, 3743770.829, 439.00, 3.49, 4.00
 ** 480123.858, 3743766.653, 439.00, 3.49, 4.00
 ** 480093.320, 3743755.429, 439.00, 3.49, 4.00
 ** 480036.158, 3743752.558, 439.00, 3.49, 4.00
 ** 479981.442, 3743754.124, 439.05, 3.49, 4.00
 ** 479982.732, 3744072.877, 440.00, 3.49, 4.00
 ** 479982.425, 3744104.198, 440.00, 3.49, 4.00
 ** 479990.102, 3744121.395, 440.00, 3.49, 4.00

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LOCATION	VOLUME			
L0002593	479997.125	3744122.460	440.00	
L0002594	480005.715	3744122.556	440.00	
L0002595	480014.304	3744122.652	440.00	
L0002596	480022.893	3744122.748	440.00	
L0002597	480031.483	3744122.843	440.00	
L0002598	480040.072	3744122.939	440.00	
L0002599	480048.662	3744123.035	440.00	
L0002600	480057.251	3744123.130	440.00	
L0002601	480065.841	3744123.226	440.00	
L0002602	480074.430	3744123.322	440.00	
L0002603	480083.020	3744123.418	440.00	
L0002604	480091.609	3744123.513	440.00	
L0002605	480100.199	3744123.609	440.00	
L0002606	480108.788	3744123.705	439.88	
L0002607	480117.378	3744123.800	439.76	
L0002608	480125.967	3744123.896	439.65	
L0002609	480134.557	3744123.992	439.50	
L0002610	480143.146	3744124.087	439.33	
L0002611	480151.735	3744124.183	439.16	
L0002612	480160.325	3744124.279	439.00	
L0002613	480168.914	3744124.375	439.00	
L0002614	480177.504	3744124.470	439.00	
L0002615	480182.371	3744119.047	439.00	
L0002616	480183.495	3744110.549	439.00	
L0002617	480183.671	3744101.967	439.00	
L0002618	480183.719	3744093.377	439.00	
L0002619	480183.767	3744084.787	439.00	
L0002620	480183.815	3744076.197	439.00	
L0002621	480183.862	3744067.608	439.00	

11558 Rider 2 and 4 (10-19)

LOCATION L0002622	VOLUME	480183.910	3744059.018	439.00
LOCATION L0002623	VOLUME	480183.958	3744050.428	439.00
LOCATION L0002624	VOLUME	480184.006	3744041.838	439.00
LOCATION L0002625	VOLUME	480184.054	3744033.248	439.00
LOCATION L0002626	VOLUME	480184.101	3744024.658	439.00
LOCATION L0002627	VOLUME	480184.149	3744016.068	439.00
LOCATION L0002628	VOLUME	480184.197	3744007.478	439.00
LOCATION L0002629	VOLUME	480184.245	3743998.889	439.00
LOCATION L0002630	VOLUME	480184.292	3743990.299	439.00
LOCATION L0002631	VOLUME	480184.340	3743981.709	439.00
LOCATION L0002632	VOLUME	480184.388	3743973.119	439.00
LOCATION L0002633	VOLUME	480184.436	3743964.529	439.00
LOCATION L0002634	VOLUME	480184.483	3743955.939	439.00
LOCATION L0002635	VOLUME	480184.531	3743947.349	439.00
LOCATION L0002636	VOLUME	480184.579	3743938.760	439.00
LOCATION L0002637	VOLUME	480184.627	3743930.170	439.00
LOCATION L0002638	VOLUME	480184.674	3743921.580	439.00
LOCATION L0002639	VOLUME	480184.722	3743912.990	439.00
LOCATION L0002640	VOLUME	480184.770	3743904.400	439.00
LOCATION L0002641	VOLUME	480184.818	3743895.810	439.00
LOCATION L0002642	VOLUME	480184.865	3743887.220	439.00
LOCATION L0002643	VOLUME	480184.913	3743878.630	439.00
LOCATION L0002644	VOLUME	480184.961	3743870.041	439.00
LOCATION L0002645	VOLUME	480185.009	3743861.451	439.00
LOCATION L0002646	VOLUME	480185.056	3743852.861	439.00
LOCATION L0002647	VOLUME	480185.104	3743844.271	439.00
LOCATION L0002648	VOLUME	480185.152	3743835.681	439.00
LOCATION L0002649	VOLUME	480185.200	3743827.091	439.00
LOCATION L0002650	VOLUME	480185.247	3743818.501	439.00
LOCATION L0002651	VOLUME	480185.295	3743809.912	439.00
LOCATION L0002652	VOLUME	480185.343	3743801.322	439.00
LOCATION L0002653	VOLUME	480185.391	3743792.732	439.00
LOCATION L0002654	VOLUME	480185.439	3743784.142	439.00
LOCATION L0002655	VOLUME	480186.285	3743775.618	439.00
LOCATION L0002656	VOLUME	480181.175	3743772.495	439.00
LOCATION L0002657	VOLUME	480172.589	3743772.247	439.00
LOCATION L0002658	VOLUME	480164.002	3743772.000	439.00
LOCATION L0002659	VOLUME	480155.425	3743771.574	439.00
LOCATION L0002660	VOLUME	480146.857	3743770.962	439.00
LOCATION L0002661	VOLUME	480138.399	3743769.525	439.00
LOCATION L0002662	VOLUME	480129.972	3743767.860	439.00
LOCATION L0002663	VOLUME	480121.645	3743765.839	439.00
LOCATION L0002664	VOLUME	480113.582	3743762.876	439.00
LOCATION L0002665	VOLUME	480105.519	3743759.913	439.00
LOCATION L0002666	VOLUME	480097.457	3743756.950	439.00
LOCATION L0002667	VOLUME	480089.142	3743755.219	439.00
LOCATION L0002668	VOLUME	480080.563	3743754.789	439.00
LOCATION L0002669	VOLUME	480071.984	3743754.358	439.00

11558 Rider 2 and 4 (10-19)

LOCATION L0002670	VOLUME	480063.405	3743753.927	439.00
LOCATION L0002671	VOLUME	480054.826	3743753.496	439.00
LOCATION L0002672	VOLUME	480046.246	3743753.065	439.00
LOCATION L0002673	VOLUME	480037.667	3743752.634	439.00
LOCATION L0002674	VOLUME	480029.082	3743752.761	439.00
LOCATION L0002675	VOLUME	480020.496	3743753.006	439.00
LOCATION L0002676	VOLUME	480011.909	3743753.252	439.00
LOCATION L0002677	VOLUME	480003.323	3743753.498	439.00
LOCATION L0002678	VOLUME	479994.736	3743753.744	439.00
LOCATION L0002679	VOLUME	479986.150	3743753.990	439.00
LOCATION L0002680	VOLUME	479981.458	3743758.005	439.00
LOCATION L0002681	VOLUME	479981.493	3743766.595	439.00
LOCATION L0002682	VOLUME	479981.528	3743775.185	439.00
LOCATION L0002683	VOLUME	479981.562	3743783.775	439.00
LOCATION L0002684	VOLUME	479981.597	3743792.365	439.00
LOCATION L0002685	VOLUME	479981.632	3743800.955	439.00
LOCATION L0002686	VOLUME	479981.667	3743809.545	439.11
LOCATION L0002687	VOLUME	479981.701	3743818.134	439.38
LOCATION L0002688	VOLUME	479981.736	3743826.724	439.65
LOCATION L0002689	VOLUME	479981.771	3743835.314	439.91
LOCATION L0002690	VOLUME	479981.806	3743843.904	439.94
LOCATION L0002691	VOLUME	479981.840	3743852.494	439.94
LOCATION L0002692	VOLUME	479981.875	3743861.084	439.94
LOCATION L0002693	VOLUME	479981.910	3743869.674	439.94
LOCATION L0002694	VOLUME	479981.945	3743878.264	439.96
LOCATION L0002695	VOLUME	479981.979	3743886.854	439.98
LOCATION L0002696	VOLUME	479982.014	3743895.444	440.00
LOCATION L0002697	VOLUME	479982.049	3743904.034	440.00
LOCATION L0002698	VOLUME	479982.084	3743912.624	440.00
LOCATION L0002699	VOLUME	479982.118	3743921.214	440.00
LOCATION L0002700	VOLUME	479982.153	3743929.804	440.00
LOCATION L0002701	VOLUME	479982.188	3743938.393	440.00
LOCATION L0002702	VOLUME	479982.223	3743946.983	440.00
LOCATION L0002703	VOLUME	479982.257	3743955.573	440.00
LOCATION L0002704	VOLUME	479982.292	3743964.163	440.00
LOCATION L0002705	VOLUME	479982.327	3743972.753	440.00
LOCATION L0002706	VOLUME	479982.362	3743981.343	440.00
LOCATION L0002707	VOLUME	479982.396	3743989.933	440.00
LOCATION L0002708	VOLUME	479982.431	3743998.523	440.00
LOCATION L0002709	VOLUME	479982.466	3744007.113	440.00
LOCATION L0002710	VOLUME	479982.501	3744015.703	440.00
LOCATION L0002711	VOLUME	479982.535	3744024.293	440.00
LOCATION L0002712	VOLUME	479982.570	3744032.883	440.00
LOCATION L0002713	VOLUME	479982.605	3744041.473	440.00
LOCATION L0002714	VOLUME	479982.640	3744050.063	440.00
LOCATION L0002715	VOLUME	479982.675	3744058.652	440.00
LOCATION L0002716	VOLUME	479982.709	3744067.242	440.00
LOCATION L0002717	VOLUME	479982.703	3744075.832	440.00

11558 Rider 2 and 4 (10-19)

LOCATION L0002718	VOLUME	479982.619	3744084.422	440.00
LOCATION L0002719	VOLUME	479982.535	3744093.011	440.00
LOCATION L0002720	VOLUME	479982.450	3744101.601	440.00
LOCATION L0002721	VOLUME	479984.868	3744109.670	440.00
LOCATION L0002722	VOLUME	479988.370	3744117.514	440.00

** END OF LINE VOLUME SOURCE ID = SLINE5

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE6

** DESCRSRC ON-SITE TRAVEL RIDER 2

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.0003328

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 8

** 480365.620, 3743390.191, 438.00, 3.49, 4.00

** 480364.038, 3743544.226, 438.00, 3.49, 4.00

** 480299.680, 3743655.005, 438.72, 3.49, 4.00

** 479997.941, 3743651.840, 439.00, 3.49, 4.00

** 479965.199, 3743650.267, 439.05, 3.49, 4.00

** 479961.817, 3743648.914, 439.06, 3.49, 4.00

** 479959.957, 3743405.730, 439.00, 3.49, 4.00

** 480357.709, 3743403.363, 438.00, 3.49, 4.00

**

LOCATION L0002723	VOLUME	480365.576	3743394.486	438.00
LOCATION L0002724	VOLUME	480365.488	3743403.075	438.00
LOCATION L0002725	VOLUME	480365.399	3743411.665	438.00
LOCATION L0002726	VOLUME	480365.311	3743420.254	438.00
LOCATION L0002727	VOLUME	480365.223	3743428.844	438.00
LOCATION L0002728	VOLUME	480365.135	3743437.434	438.00
LOCATION L0002729	VOLUME	480365.046	3743446.023	438.00
LOCATION L0002730	VOLUME	480364.958	3743454.613	438.00
LOCATION L0002731	VOLUME	480364.870	3743463.202	438.00
LOCATION L0002732	VOLUME	480364.782	3743471.792	438.00
LOCATION L0002733	VOLUME	480364.693	3743480.381	438.00
LOCATION L0002734	VOLUME	480364.605	3743488.971	438.00
LOCATION L0002735	VOLUME	480364.517	3743497.560	438.00
LOCATION L0002736	VOLUME	480364.429	3743506.150	438.00
LOCATION L0002737	VOLUME	480364.340	3743514.739	438.00
LOCATION L0002738	VOLUME	480364.252	3743523.329	438.00
LOCATION L0002739	VOLUME	480364.164	3743531.919	438.00
LOCATION L0002740	VOLUME	480364.076	3743540.508	438.00
LOCATION L0002741	VOLUME	480361.590	3743548.439	438.00
LOCATION L0002742	VOLUME	480357.275	3743555.866	438.00
LOCATION L0002743	VOLUME	480352.960	3743563.294	438.00
LOCATION L0002744	VOLUME	480348.645	3743570.721	438.04

11558 Rider 2 and 4 (10-19)

LOCATION L0002745	VOLUME	480344.330	3743578.149	438.06
LOCATION L0002746	VOLUME	480340.015	3743585.576	438.00
LOCATION L0002747	VOLUME	480335.700	3743593.004	438.00
LOCATION L0002748	VOLUME	480331.385	3743600.431	438.10
LOCATION L0002749	VOLUME	480327.070	3743607.859	438.22
LOCATION L0002750	VOLUME	480322.755	3743615.287	438.27
LOCATION L0002751	VOLUME	480318.440	3743622.714	438.25
LOCATION L0002752	VOLUME	480314.125	3743630.142	438.25
LOCATION L0002753	VOLUME	480309.810	3743637.569	438.38
LOCATION L0002754	VOLUME	480305.495	3743644.997	438.54
LOCATION L0002755	VOLUME	480301.180	3743652.424	438.62
LOCATION L0002756	VOLUME	480294.075	3743654.946	438.45
LOCATION L0002757	VOLUME	480285.485	3743654.856	438.18
LOCATION L0002758	VOLUME	480276.896	3743654.766	438.00
LOCATION L0002759	VOLUME	480268.306	3743654.676	438.00
LOCATION L0002760	VOLUME	480259.717	3743654.585	438.00
LOCATION L0002761	VOLUME	480251.127	3743654.495	438.00
LOCATION L0002762	VOLUME	480242.538	3743654.405	438.00
LOCATION L0002763	VOLUME	480233.948	3743654.315	438.00
LOCATION L0002764	VOLUME	480225.359	3743654.225	438.00
LOCATION L0002765	VOLUME	480216.769	3743654.135	438.00
LOCATION L0002766	VOLUME	480208.180	3743654.045	438.00
LOCATION L0002767	VOLUME	480199.590	3743653.955	438.00
LOCATION L0002768	VOLUME	480191.001	3743653.865	438.00
LOCATION L0002769	VOLUME	480182.411	3743653.775	438.25
LOCATION L0002770	VOLUME	480173.822	3743653.684	438.54
LOCATION L0002771	VOLUME	480165.232	3743653.594	438.82
LOCATION L0002772	VOLUME	480156.643	3743653.504	439.00
LOCATION L0002773	VOLUME	480148.053	3743653.414	439.00
LOCATION L0002774	VOLUME	480139.464	3743653.324	439.00
LOCATION L0002775	VOLUME	480130.874	3743653.234	439.00
LOCATION L0002776	VOLUME	480122.284	3743653.144	439.00
LOCATION L0002777	VOLUME	480113.695	3743653.054	439.00
LOCATION L0002778	VOLUME	480105.105	3743652.964	439.00
LOCATION L0002779	VOLUME	480096.516	3743652.874	439.00
LOCATION L0002780	VOLUME	480087.926	3743652.783	439.00
LOCATION L0002781	VOLUME	480079.337	3743652.693	439.00
LOCATION L0002782	VOLUME	480070.747	3743652.603	439.00
LOCATION L0002783	VOLUME	480062.158	3743652.513	439.00
LOCATION L0002784	VOLUME	480053.568	3743652.423	439.00
LOCATION L0002785	VOLUME	480044.979	3743652.333	439.00
LOCATION L0002786	VOLUME	480036.389	3743652.243	439.00
LOCATION L0002787	VOLUME	480027.800	3743652.153	439.00
LOCATION L0002788	VOLUME	480019.210	3743652.063	439.00
LOCATION L0002789	VOLUME	480010.621	3743651.973	439.00
LOCATION L0002790	VOLUME	480002.031	3743651.882	439.00
LOCATION L0002791	VOLUME	479993.446	3743651.624	439.00
LOCATION L0002792	VOLUME	479984.866	3743651.212	439.00

11558 Rider 2 and 4 (10-19)

LOCATION L0002793	VOLUME	479976.286	3743650.800	439.00
LOCATION L0002794	VOLUME	479967.706	3743650.387	439.00
LOCATION L0002795	VOLUME	479961.798	3743646.477	439.00
LOCATION L0002796	VOLUME	479961.733	3743637.887	439.00
LOCATION L0002797	VOLUME	479961.667	3743629.297	439.00
LOCATION L0002798	VOLUME	479961.601	3743620.708	439.00
LOCATION L0002799	VOLUME	479961.535	3743612.118	439.00
LOCATION L0002800	VOLUME	479961.470	3743603.528	439.00
LOCATION L0002801	VOLUME	479961.404	3743594.938	439.00
LOCATION L0002802	VOLUME	479961.338	3743586.349	439.00
LOCATION L0002803	VOLUME	479961.273	3743577.759	439.00
LOCATION L0002804	VOLUME	479961.207	3743569.169	439.00
LOCATION L0002805	VOLUME	479961.141	3743560.579	439.00
LOCATION L0002806	VOLUME	479961.075	3743551.990	439.00
LOCATION L0002807	VOLUME	479961.010	3743543.400	439.00
LOCATION L0002808	VOLUME	479960.944	3743534.810	439.00
LOCATION L0002809	VOLUME	479960.878	3743526.220	439.00
LOCATION L0002810	VOLUME	479960.813	3743517.631	439.00
LOCATION L0002811	VOLUME	479960.747	3743509.041	439.00
LOCATION L0002812	VOLUME	479960.681	3743500.451	439.00
LOCATION L0002813	VOLUME	479960.616	3743491.861	439.00
LOCATION L0002814	VOLUME	479960.550	3743483.272	439.00
LOCATION L0002815	VOLUME	479960.484	3743474.682	439.00
LOCATION L0002816	VOLUME	479960.418	3743466.092	439.00
LOCATION L0002817	VOLUME	479960.353	3743457.502	439.00
LOCATION L0002818	VOLUME	479960.287	3743448.913	439.00
LOCATION L0002819	VOLUME	479960.221	3743440.323	439.00
LOCATION L0002820	VOLUME	479960.156	3743431.733	439.00
LOCATION L0002821	VOLUME	479960.090	3743423.143	439.00
LOCATION L0002822	VOLUME	479960.024	3743414.554	439.00
LOCATION L0002823	VOLUME	479959.958	3743405.964	439.00
LOCATION L0002824	VOLUME	479968.313	3743405.680	439.00
LOCATION L0002825	VOLUME	479976.903	3743405.629	439.00
LOCATION L0002826	VOLUME	479985.492	3743405.578	439.00
LOCATION L0002827	VOLUME	479994.082	3743405.527	439.00
LOCATION L0002828	VOLUME	480002.672	3743405.476	439.00
LOCATION L0002829	VOLUME	480011.262	3743405.425	439.00
LOCATION L0002830	VOLUME	480019.852	3743405.374	439.00
LOCATION L0002831	VOLUME	480028.442	3743405.323	439.00
LOCATION L0002832	VOLUME	480037.032	3743405.271	439.00
LOCATION L0002833	VOLUME	480045.621	3743405.220	439.00
LOCATION L0002834	VOLUME	480054.211	3743405.169	439.00
LOCATION L0002835	VOLUME	480062.801	3743405.118	439.00
LOCATION L0002836	VOLUME	480071.391	3743405.067	439.00
LOCATION L0002837	VOLUME	480079.981	3743405.016	439.00
LOCATION L0002838	VOLUME	480088.571	3743404.965	439.00
LOCATION L0002839	VOLUME	480097.160	3743404.914	439.00
LOCATION L0002840	VOLUME	480105.750	3743404.862	439.00

11558 Rider 2 and 4 (10-19)

LOCATION L0002841	VOLUME	480114.340	3743404.811	439.00
LOCATION L0002842	VOLUME	480122.930	3743404.760	439.00
LOCATION L0002843	VOLUME	480131.520	3743404.709	439.00
LOCATION L0002844	VOLUME	480140.110	3743404.658	439.00
LOCATION L0002845	VOLUME	480148.700	3743404.607	439.00
LOCATION L0002846	VOLUME	480157.289	3743404.556	439.00
LOCATION L0002847	VOLUME	480165.879	3743404.504	439.00
LOCATION L0002848	VOLUME	480174.469	3743404.453	439.00
LOCATION L0002849	VOLUME	480183.059	3743404.402	439.00
LOCATION L0002850	VOLUME	480191.649	3743404.351	438.94
LOCATION L0002851	VOLUME	480200.239	3743404.300	438.66
LOCATION L0002852	VOLUME	480208.829	3743404.249	438.37
LOCATION L0002853	VOLUME	480217.418	3743404.198	438.08
LOCATION L0002854	VOLUME	480226.008	3743404.147	438.00
LOCATION L0002855	VOLUME	480234.598	3743404.095	438.00
LOCATION L0002856	VOLUME	480243.188	3743404.044	438.00
LOCATION L0002857	VOLUME	480251.778	3743403.993	438.00
LOCATION L0002858	VOLUME	480260.368	3743403.942	438.00
LOCATION L0002859	VOLUME	480268.957	3743403.891	438.00
LOCATION L0002860	VOLUME	480277.547	3743403.840	438.00
LOCATION L0002861	VOLUME	480286.137	3743403.789	438.00
LOCATION L0002862	VOLUME	480294.727	3743403.738	438.00
LOCATION L0002863	VOLUME	480303.317	3743403.686	438.00
LOCATION L0002864	VOLUME	480311.907	3743403.635	438.00
LOCATION L0002865	VOLUME	480320.497	3743403.584	438.00
LOCATION L0002866	VOLUME	480329.086	3743403.533	438.00
LOCATION L0002867	VOLUME	480337.676	3743403.482	438.00
LOCATION L0002868	VOLUME	480346.266	3743403.431	438.00
LOCATION L0002869	VOLUME	480354.856	3743403.380	438.00

** END OF LINE VOLUME SOURCE ID = SLINE6

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE7

** DESCRSRC 100% INBOUND/OUTBOUND

** PREFIX

** LENGTH OF SIDE = 22.00

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.001154

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 37

** 479930.353, 3744149.201, 440.00, 3.49, 10.23

** 479933.245, 3744581.095, 441.00, 3.49, 10.23

** 479934.209, 3744868.382, 441.00, 3.49, 10.23

** 479935.173, 3745170.130, 442.00, 3.49, 10.23

** 479935.173, 3745348.479, 442.00, 3.49, 10.23

** 479936.137, 3746137.072, 442.39, 3.49, 10.23

** 479939.029, 3746355.911, 443.94, 3.49, 10.23

11558 Rider 2 and 4 (10-19)

** 479159.113, 3746353.983, 445.00, 3.49, 10.23
 ** 478694.441, 3746356.875, 445.95, 3.49, 10.23
 ** 478337.743, 3746357.839, 446.00, 3.49, 10.23
 ** 477979.533, 3746359.325, 447.00, 3.49, 10.23
 ** 477751.380, 3746356.883, 448.00, 3.49, 10.23
 ** 477585.868, 3746357.732, 449.00, 3.49, 10.23
 ** 477479.770, 3746354.337, 449.28, 3.49, 10.23
 ** 477422.902, 3746363.673, 450.00, 3.49, 10.23
 ** 477344.814, 3746412.903, 450.00, 3.49, 10.23
 ** 477233.623, 3746492.688, 450.35, 3.49, 10.23
 ** 477194.579, 3746519.849, 450.83, 3.49, 10.23
 ** 477122.227, 3746542.823, 451.00, 3.49, 10.23
 ** 477046.897, 3746549.998, 451.52, 3.49, 10.23
 ** 476979.938, 3746551.193, 452.00, 3.49, 10.23
 ** 476730.037, 3746547.606, 454.25, 3.49, 10.23
 ** 476661.882, 3746549.998, 455.00, 3.49, 10.23
 ** 476636.772, 3746549.998, 455.38, 3.49, 10.23
 ** 476620.032, 3746555.976, 455.25, 3.49, 10.23
 ** 476568.617, 3746582.281, 456.00, 3.49, 10.23
 ** 476537.529, 3746607.391, 456.08, 3.49, 10.23
 ** 476518.398, 3746632.501, 456.11, 3.49, 10.23
 ** 476506.441, 3746648.045, 456.05, 3.49, 10.23
 ** 476481.331, 3746710.221, 456.75, 3.49, 10.23
 ** 476450.243, 3746820.226, 456.47, 3.49, 10.23
 ** 476427.516, 3746872.903, 456.43, 3.49, 10.23
 ** 476375.794, 3746918.418, 456.19, 3.49, 10.23
 ** 476310.623, 3746950.486, 456.95, 3.49, 10.23
 ** 476148.215, 3746952.555, 458.04, 3.49, 10.23
 ** 476016.841, 3746952.555, 460.03, 3.49, 10.23
 ** 476030.913, 3746950.783, 460.05, 3.49, 10.23

** -----

LOCATION L0002870	VOLUME	479930.426	3744160.201	440.00
LOCATION L0002871	VOLUME	479930.574	3744182.200	440.00
LOCATION L0002872	VOLUME	479930.721	3744204.200	440.00
LOCATION L0002873	VOLUME	479930.868	3744226.199	440.00
LOCATION L0002874	VOLUME	479931.016	3744248.199	440.00
LOCATION L0002875	VOLUME	479931.163	3744270.198	440.00
LOCATION L0002876	VOLUME	479931.310	3744292.198	440.00
LOCATION L0002877	VOLUME	479931.458	3744314.197	440.00
LOCATION L0002878	VOLUME	479931.605	3744336.197	440.41
LOCATION L0002879	VOLUME	479931.752	3744358.196	440.61
LOCATION L0002880	VOLUME	479931.900	3744380.196	440.66
LOCATION L0002881	VOLUME	479932.047	3744402.195	440.95
LOCATION L0002882	VOLUME	479932.194	3744424.195	441.00
LOCATION L0002883	VOLUME	479932.342	3744446.194	441.00
LOCATION L0002884	VOLUME	479932.489	3744468.194	441.00
LOCATION L0002885	VOLUME	479932.636	3744490.193	441.00
LOCATION L0002886	VOLUME	479932.783	3744512.193	441.00

11558 Rider 2 and 4 (10-19)

LOCATION L0002887	VOLUME	479932.931	3744534.192	441.00
LOCATION L0002888	VOLUME	479933.078	3744556.192	441.00
LOCATION L0002889	VOLUME	479933.225	3744578.191	441.00
LOCATION L0002890	VOLUME	479933.309	3744600.191	441.00
LOCATION L0002891	VOLUME	479933.383	3744622.191	441.00
LOCATION L0002892	VOLUME	479933.457	3744644.191	441.00
LOCATION L0002893	VOLUME	479933.530	3744666.191	441.00
LOCATION L0002894	VOLUME	479933.604	3744688.191	441.00
LOCATION L0002895	VOLUME	479933.678	3744710.191	441.00
LOCATION L0002896	VOLUME	479933.752	3744732.191	441.00
LOCATION L0002897	VOLUME	479933.826	3744754.190	441.00
LOCATION L0002898	VOLUME	479933.900	3744776.190	441.00
LOCATION L0002899	VOLUME	479933.973	3744798.190	441.00
LOCATION L0002900	VOLUME	479934.047	3744820.190	441.00
LOCATION L0002901	VOLUME	479934.121	3744842.190	441.00
LOCATION L0002902	VOLUME	479934.195	3744864.190	441.00
LOCATION L0002903	VOLUME	479934.266	3744886.190	441.00
LOCATION L0002904	VOLUME	479934.336	3744908.190	441.00
LOCATION L0002905	VOLUME	479934.406	3744930.189	441.00
LOCATION L0002906	VOLUME	479934.477	3744952.189	441.00
LOCATION L0002907	VOLUME	479934.547	3744974.189	441.00
LOCATION L0002908	VOLUME	479934.617	3744996.189	441.00
LOCATION L0002909	VOLUME	479934.688	3745018.189	441.00
LOCATION L0002910	VOLUME	479934.758	3745040.189	441.00
LOCATION L0002911	VOLUME	479934.828	3745062.189	441.00
LOCATION L0002912	VOLUME	479934.898	3745084.189	441.00
LOCATION L0002913	VOLUME	479934.969	3745106.189	441.17
LOCATION L0002914	VOLUME	479935.039	3745128.188	441.50
LOCATION L0002915	VOLUME	479935.109	3745150.188	441.49
LOCATION L0002916	VOLUME	479935.173	3745172.188	441.76
LOCATION L0002917	VOLUME	479935.173	3745194.188	442.00
LOCATION L0002918	VOLUME	479935.173	3745216.188	442.00
LOCATION L0002919	VOLUME	479935.173	3745238.188	442.00
LOCATION L0002920	VOLUME	479935.173	3745260.188	442.00
LOCATION L0002921	VOLUME	479935.173	3745282.188	442.00
LOCATION L0002922	VOLUME	479935.173	3745304.188	442.00
LOCATION L0002923	VOLUME	479935.173	3745326.188	442.00
LOCATION L0002924	VOLUME	479935.173	3745348.188	442.00
LOCATION L0002925	VOLUME	479935.200	3745370.188	442.00
LOCATION L0002926	VOLUME	479935.226	3745392.188	442.00
LOCATION L0002927	VOLUME	479935.253	3745414.188	442.00
LOCATION L0002928	VOLUME	479935.280	3745436.188	442.00
LOCATION L0002929	VOLUME	479935.307	3745458.188	442.00
LOCATION L0002930	VOLUME	479935.334	3745480.188	442.00
LOCATION L0002931	VOLUME	479935.361	3745502.188	442.00
LOCATION L0002932	VOLUME	479935.388	3745524.188	442.00
LOCATION L0002933	VOLUME	479935.415	3745546.188	442.00
LOCATION L0002934	VOLUME	479935.442	3745568.188	442.00

11558 Rider 2 and 4 (10-19)

LOCATION L0002935	VOLUME	479935.468	3745590.188	442.00
LOCATION L0002936	VOLUME	479935.495	3745612.188	442.00
LOCATION L0002937	VOLUME	479935.522	3745634.188	442.00
LOCATION L0002938	VOLUME	479935.549	3745656.188	442.00
LOCATION L0002939	VOLUME	479935.576	3745678.188	442.00
LOCATION L0002940	VOLUME	479935.603	3745700.188	442.00
LOCATION L0002941	VOLUME	479935.630	3745722.188	442.00
LOCATION L0002942	VOLUME	479935.657	3745744.188	442.00
LOCATION L0002943	VOLUME	479935.684	3745766.188	442.00
LOCATION L0002944	VOLUME	479935.711	3745788.188	442.00
LOCATION L0002945	VOLUME	479935.737	3745810.188	442.00
LOCATION L0002946	VOLUME	479935.764	3745832.188	442.00
LOCATION L0002947	VOLUME	479935.791	3745854.188	442.00
LOCATION L0002948	VOLUME	479935.818	3745876.188	442.00
LOCATION L0002949	VOLUME	479935.845	3745898.188	442.00
LOCATION L0002950	VOLUME	479935.872	3745920.188	442.00
LOCATION L0002951	VOLUME	479935.899	3745942.188	442.00
LOCATION L0002952	VOLUME	479935.926	3745964.188	442.00
LOCATION L0002953	VOLUME	479935.953	3745986.188	442.00
LOCATION L0002954	VOLUME	479935.979	3746008.188	442.00
LOCATION L0002955	VOLUME	479936.006	3746030.188	442.00
LOCATION L0002956	VOLUME	479936.033	3746052.188	442.00
LOCATION L0002957	VOLUME	479936.060	3746074.188	442.00
LOCATION L0002958	VOLUME	479936.087	3746096.188	442.00
LOCATION L0002959	VOLUME	479936.114	3746118.188	442.03
LOCATION L0002960	VOLUME	479936.178	3746140.187	442.37
LOCATION L0002961	VOLUME	479936.469	3746162.185	442.74
LOCATION L0002962	VOLUME	479936.760	3746184.184	443.00
LOCATION L0002963	VOLUME	479937.050	3746206.182	443.00
LOCATION L0002964	VOLUME	479937.341	3746228.180	443.00
LOCATION L0002965	VOLUME	479937.632	3746250.178	443.00
LOCATION L0002966	VOLUME	479937.923	3746272.176	443.00
LOCATION L0002967	VOLUME	479938.213	3746294.174	443.00
LOCATION L0002968	VOLUME	479938.504	3746316.172	443.00
LOCATION L0002969	VOLUME	479938.795	3746338.170	443.40
LOCATION L0002970	VOLUME	479934.772	3746355.900	443.99
LOCATION L0002971	VOLUME	479912.772	3746355.846	443.99
LOCATION L0002972	VOLUME	479890.772	3746355.792	444.00
LOCATION L0002973	VOLUME	479868.772	3746355.737	444.00
LOCATION L0002974	VOLUME	479846.772	3746355.683	444.00
LOCATION L0002975	VOLUME	479824.772	3746355.629	444.00
LOCATION L0002976	VOLUME	479802.772	3746355.574	444.00
LOCATION L0002977	VOLUME	479780.772	3746355.520	444.00
LOCATION L0002978	VOLUME	479758.772	3746355.465	443.99
LOCATION L0002979	VOLUME	479736.772	3746355.411	443.97
LOCATION L0002980	VOLUME	479714.772	3746355.357	443.97
LOCATION L0002981	VOLUME	479692.772	3746355.302	443.99
LOCATION L0002982	VOLUME	479670.772	3746355.248	444.00

11558 Rider 2 and 4 (10-19)

LOCATION L0002983	VOLUME	479648.772	3746355.193	444.00
LOCATION L0002984	VOLUME	479626.773	3746355.139	444.00
LOCATION L0002985	VOLUME	479604.773	3746355.085	444.00
LOCATION L0002986	VOLUME	479582.773	3746355.030	444.00
LOCATION L0002987	VOLUME	479560.773	3746354.976	444.00
LOCATION L0002988	VOLUME	479538.773	3746354.921	444.00
LOCATION L0002989	VOLUME	479516.773	3746354.867	444.00
LOCATION L0002990	VOLUME	479494.773	3746354.813	444.00
LOCATION L0002991	VOLUME	479472.773	3746354.758	444.00
LOCATION L0002992	VOLUME	479450.773	3746354.704	444.00
LOCATION L0002993	VOLUME	479428.773	3746354.650	444.00
LOCATION L0002994	VOLUME	479406.773	3746354.595	444.10
LOCATION L0002995	VOLUME	479384.773	3746354.541	444.79
LOCATION L0002996	VOLUME	479362.773	3746354.486	444.94
LOCATION L0002997	VOLUME	479340.773	3746354.432	444.96
LOCATION L0002998	VOLUME	479318.773	3746354.378	445.00
LOCATION L0002999	VOLUME	479296.774	3746354.323	445.00
LOCATION L0003000	VOLUME	479274.774	3746354.269	445.00
LOCATION L0003001	VOLUME	479252.774	3746354.214	445.00
LOCATION L0003002	VOLUME	479230.774	3746354.160	445.00
LOCATION L0003003	VOLUME	479208.774	3746354.106	445.00
LOCATION L0003004	VOLUME	479186.774	3746354.051	445.00
LOCATION L0003005	VOLUME	479164.774	3746353.997	445.00
LOCATION L0003006	VOLUME	479142.774	3746354.085	445.00
LOCATION L0003007	VOLUME	479120.775	3746354.222	445.00
LOCATION L0003008	VOLUME	479098.775	3746354.358	445.00
LOCATION L0003009	VOLUME	479076.776	3746354.495	445.00
LOCATION L0003010	VOLUME	479054.776	3746354.632	445.00
LOCATION L0003011	VOLUME	479032.776	3746354.769	445.00
LOCATION L0003012	VOLUME	479010.777	3746354.906	445.00
LOCATION L0003013	VOLUME	478988.777	3746355.043	445.00
LOCATION L0003014	VOLUME	478966.778	3746355.180	445.00
LOCATION L0003015	VOLUME	478944.778	3746355.317	445.00
LOCATION L0003016	VOLUME	478922.779	3746355.454	445.00
LOCATION L0003017	VOLUME	478900.779	3746355.591	445.00
LOCATION L0003018	VOLUME	478878.779	3746355.728	445.00
LOCATION L0003019	VOLUME	478856.780	3746355.865	445.00
LOCATION L0003020	VOLUME	478834.780	3746356.002	445.00
LOCATION L0003021	VOLUME	478812.781	3746356.138	445.00
LOCATION L0003022	VOLUME	478790.781	3746356.275	445.00
LOCATION L0003023	VOLUME	478768.782	3746356.412	445.00
LOCATION L0003024	VOLUME	478746.782	3746356.549	445.00
LOCATION L0003025	VOLUME	478724.782	3746356.686	445.01
LOCATION L0003026	VOLUME	478702.783	3746356.823	445.58
LOCATION L0003027	VOLUME	478680.783	3746356.912	446.00
LOCATION L0003028	VOLUME	478658.783	3746356.971	446.00
LOCATION L0003029	VOLUME	478636.783	3746357.031	446.00
LOCATION L0003030	VOLUME	478614.783	3746357.090	446.00

11558 Rider 2 and 4 (10-19)

LOCATION L0003031	VOLUME	478592.783	3746357.150	446.00
LOCATION L0003032	VOLUME	478570.783	3746357.209	446.00
LOCATION L0003033	VOLUME	478548.784	3746357.269	446.00
LOCATION L0003034	VOLUME	478526.784	3746357.328	446.00
LOCATION L0003035	VOLUME	478504.784	3746357.388	446.00
LOCATION L0003036	VOLUME	478482.784	3746357.447	446.00
LOCATION L0003037	VOLUME	478460.784	3746357.507	446.00
LOCATION L0003038	VOLUME	478438.784	3746357.566	446.00
LOCATION L0003039	VOLUME	478416.784	3746357.625	446.00
LOCATION L0003040	VOLUME	478394.784	3746357.685	446.00
LOCATION L0003041	VOLUME	478372.784	3746357.744	446.00
LOCATION L0003042	VOLUME	478350.784	3746357.804	446.00
LOCATION L0003043	VOLUME	478328.784	3746357.876	446.00
LOCATION L0003044	VOLUME	478306.785	3746357.967	446.00
LOCATION L0003045	VOLUME	478284.785	3746358.059	446.50
LOCATION L0003046	VOLUME	478262.785	3746358.150	447.00
LOCATION L0003047	VOLUME	478240.785	3746358.241	447.00
LOCATION L0003048	VOLUME	478218.785	3746358.333	447.00
LOCATION L0003049	VOLUME	478196.785	3746358.424	447.00
LOCATION L0003050	VOLUME	478174.786	3746358.515	447.00
LOCATION L0003051	VOLUME	478152.786	3746358.606	447.00
LOCATION L0003052	VOLUME	478130.786	3746358.698	447.00
LOCATION L0003053	VOLUME	478108.786	3746358.789	447.00
LOCATION L0003054	VOLUME	478086.786	3746358.880	447.00
LOCATION L0003055	VOLUME	478064.787	3746358.971	447.00
LOCATION L0003056	VOLUME	478042.787	3746359.063	447.00
LOCATION L0003057	VOLUME	478020.787	3746359.154	447.00
LOCATION L0003058	VOLUME	477998.787	3746359.245	447.00
LOCATION L0003059	VOLUME	477976.788	3746359.296	447.00
LOCATION L0003060	VOLUME	477954.789	3746359.060	447.05
LOCATION L0003061	VOLUME	477932.790	3746358.825	447.30
LOCATION L0003062	VOLUME	477910.791	3746358.589	447.97
LOCATION L0003063	VOLUME	477888.793	3746358.354	448.00
LOCATION L0003064	VOLUME	477866.794	3746358.118	448.00
LOCATION L0003065	VOLUME	477844.795	3746357.883	448.00
LOCATION L0003066	VOLUME	477822.796	3746357.647	448.00
LOCATION L0003067	VOLUME	477800.798	3746357.412	448.00
LOCATION L0003068	VOLUME	477778.799	3746357.176	448.00
LOCATION L0003069	VOLUME	477756.800	3746356.941	448.00
LOCATION L0003070	VOLUME	477734.801	3746356.968	448.00
LOCATION L0003071	VOLUME	477712.801	3746357.081	448.00
LOCATION L0003072	VOLUME	477690.801	3746357.194	448.00
LOCATION L0003073	VOLUME	477668.802	3746357.306	448.00
LOCATION L0003074	VOLUME	477646.802	3746357.419	448.00
LOCATION L0003075	VOLUME	477624.802	3746357.532	448.50
LOCATION L0003076	VOLUME	477602.802	3746357.645	449.00
LOCATION L0003077	VOLUME	477580.805	3746357.570	449.00
LOCATION L0003078	VOLUME	477558.816	3746356.866	449.00

11558 Rider 2 and 4 (10-19)

LOCATION L0003079	VOLUME	477536.828	3746356.162	449.00
LOCATION L0003080	VOLUME	477514.839	3746355.459	449.00
LOCATION L0003081	VOLUME	477492.850	3746354.755	449.04
LOCATION L0003082	VOLUME	477470.975	3746355.781	449.63
LOCATION L0003083	VOLUME	477449.265	3746359.345	450.00
LOCATION L0003084	VOLUME	477427.556	3746362.909	450.00
LOCATION L0003085	VOLUME	477408.281	3746372.891	450.00
LOCATION L0003086	VOLUME	477389.671	3746384.623	450.00
LOCATION L0003087	VOLUME	477371.060	3746396.356	450.00
LOCATION L0003088	VOLUME	477352.450	3746408.088	450.00
LOCATION L0003089	VOLUME	477334.274	3746420.466	450.00
LOCATION L0003090	VOLUME	477316.399	3746433.292	450.00
LOCATION L0003091	VOLUME	477298.525	3746446.118	450.00
LOCATION L0003092	VOLUME	477280.650	3746458.943	450.00
LOCATION L0003093	VOLUME	477262.776	3746471.769	450.00
LOCATION L0003094	VOLUME	477244.902	3746484.595	450.12
LOCATION L0003095	VOLUME	477226.959	3746497.324	450.23
LOCATION L0003096	VOLUME	477208.899	3746509.888	450.37
LOCATION L0003097	VOLUME	477190.236	3746521.228	450.99
LOCATION L0003098	VOLUME	477169.268	3746527.886	451.00
LOCATION L0003099	VOLUME	477148.300	3746534.544	451.00
LOCATION L0003100	VOLUME	477127.331	3746541.202	451.00
LOCATION L0003101	VOLUME	477105.658	3746544.401	451.00
LOCATION L0003102	VOLUME	477083.757	3746546.487	451.00
LOCATION L0003103	VOLUME	477061.856	3746548.573	451.16
LOCATION L0003104	VOLUME	477039.925	3746550.122	451.54
LOCATION L0003105	VOLUME	477017.928	3746550.515	451.87
LOCATION L0003106	VOLUME	476995.932	3746550.908	452.00
LOCATION L0003107	VOLUME	476973.935	3746551.107	452.00
LOCATION L0003108	VOLUME	476951.937	3746550.791	452.00
LOCATION L0003109	VOLUME	476929.939	3746550.476	452.00
LOCATION L0003110	VOLUME	476907.942	3746550.160	452.21
LOCATION L0003111	VOLUME	476885.944	3746549.844	452.60
LOCATION L0003112	VOLUME	476863.946	3746549.528	452.94
LOCATION L0003113	VOLUME	476841.948	3746549.213	453.00
LOCATION L0003114	VOLUME	476819.951	3746548.897	453.00
LOCATION L0003115	VOLUME	476797.953	3746548.581	453.00
LOCATION L0003116	VOLUME	476775.955	3746548.265	454.00
LOCATION L0003117	VOLUME	476753.957	3746547.949	454.00
LOCATION L0003118	VOLUME	476731.960	3746547.634	454.26
LOCATION L0003119	VOLUME	476709.972	3746548.310	455.00
LOCATION L0003120	VOLUME	476687.986	3746549.082	455.00
LOCATION L0003121	VOLUME	476665.999	3746549.853	455.00
LOCATION L0003122	VOLUME	476644.002	3746549.998	455.11
LOCATION L0003123	VOLUME	476622.862	3746554.965	455.34
LOCATION L0003124	VOLUME	476603.122	3746564.628	455.58
LOCATION L0003125	VOLUME	476583.537	3746574.648	456.00
LOCATION L0003126	VOLUME	476564.540	3746585.575	456.00

11558 Rider 2 and 4 (10-19)

LOCATION	VOLUME			
L0003127	476547.425	3746599.398	456.00	
L0003128	476531.905	3746614.772	456.00	
L0003129	476518.573	3746632.271	456.00	
L0003130	476505.654	3746649.993	456.00	
L0003131	476497.416	3746670.392	456.08	
L0003132	476489.178	3746690.791	456.36	
L0003133	476481.047	3746711.227	456.63	
L0003134	476475.064	3746732.398	456.38	
L0003135	476469.081	3746753.569	456.03	
L0003136	476463.098	3746774.740	456.22	
L0003137	476457.114	3746795.911	456.42	
L0003138	476451.131	3746817.081	456.40	
L0003139	476442.822	3746837.426	456.00	
L0003140	476434.107	3746857.626	456.19	
L0003141	476423.491	3746876.445	456.36	
L0003142	476406.975	3746890.979	456.25	
L0003143	476390.459	3746905.513	456.45	
L0003144	476373.582	3746919.506	456.39	
L0003145	476353.843	3746929.220	456.78	
L0003146	476334.103	3746938.933	456.80	
L0003147	476314.363	3746948.646	457.00	
L0003148	476292.793	3746950.713	457.00	
L0003149	476270.795	3746950.994	457.00	
L0003150	476248.797	3746951.274	457.00	
L0003151	476226.798	3746951.554	457.02	
L0003152	476204.800	3746951.834	457.12	
L0003153	476182.802	3746952.114	457.63	
L0003154	476160.804	3746952.395	458.00	
L0003155	476138.805	3746952.555	458.03	
L0003156	476116.805	3746952.555	458.77	
L0003157	476094.805	3746952.555	459.00	
L0003158	476072.805	3746952.555	459.23	
L0003159	476050.805	3746952.555	459.97	
L0003160	476028.805	3746952.555	460.00	
L0003161	476026.798	3746951.301	460.00	

** END OF LINE VOLUME SOURCE ID = SLINE7

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** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE8

** DESCRSRC 30% INBOUND/OUTBOUND RIDER 2

** PREFIX

** LENGTH OF SIDE = 22.00

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00002649

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 3

** 479930.168, 3743649.774, 439.79, 3.49, 10.23

11558 Rider 2 and 4 (10-19)

** 479930.924, 3743765.000, 440.00, 3.49, 10.23

** 479930.924, 3744140.610, 440.00, 3.49, 10.23

**

LOCATION L0003291 VOLUME 479930.240 3743660.774 439.66
LOCATION L0003292 VOLUME 479930.385 3743682.773 439.65
LOCATION L0003293 VOLUME 479930.529 3743704.773 439.87
LOCATION L0003294 VOLUME 479930.673 3743726.772 440.00
LOCATION L0003295 VOLUME 479930.818 3743748.772 440.00
LOCATION L0003296 VOLUME 479930.924 3743770.771 440.00
LOCATION L0003297 VOLUME 479930.924 3743792.771 440.00
LOCATION L0003298 VOLUME 479930.924 3743814.771 440.00
LOCATION L0003299 VOLUME 479930.924 3743836.771 440.00
LOCATION L0003300 VOLUME 479930.924 3743858.771 440.00
LOCATION L0003301 VOLUME 479930.924 3743880.771 440.00
LOCATION L0003302 VOLUME 479930.924 3743902.771 440.00
LOCATION L0003303 VOLUME 479930.924 3743924.771 440.00
LOCATION L0003304 VOLUME 479930.924 3743946.771 440.00
LOCATION L0003305 VOLUME 479930.924 3743968.771 440.00
LOCATION L0003306 VOLUME 479930.924 3743990.771 440.00
LOCATION L0003307 VOLUME 479930.924 3744012.771 440.00
LOCATION L0003308 VOLUME 479930.924 3744034.771 440.00
LOCATION L0003309 VOLUME 479930.924 3744056.771 440.00
LOCATION L0003310 VOLUME 479930.924 3744078.771 440.00
LOCATION L0003311 VOLUME 479930.924 3744100.771 440.00
LOCATION L0003312 VOLUME 479930.924 3744122.771 440.00

** END OF LINE VOLUME SOURCE ID = SLINE8

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE9

** DESCRSRC 30% INBOUND/OUTBOUND RIDER 2

** PREFIX

** LENGTH OF SIDE = 22.00

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00002651

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 3

** 479930.371, 3743649.552, 439.78, 3.49, 10.23

** 479930.924, 3743765.000, 440.00, 3.49, 10.23

** 479930.924, 3744140.610, 440.00, 3.49, 10.23

**

LOCATION L0003523 VOLUME 479930.424 3743660.552 439.65
LOCATION L0003524 VOLUME 479930.529 3743682.552 439.65
LOCATION L0003525 VOLUME 479930.635 3743704.551 439.86
LOCATION L0003526 VOLUME 479930.740 3743726.551 440.00
LOCATION L0003527 VOLUME 479930.845 3743748.551 440.00
LOCATION L0003528 VOLUME 479930.924 3743770.551 440.00
LOCATION L0003529 VOLUME 479930.924 3743792.551 440.00

11558 Rider 2 and 4 (10-19)

LOCATION L0003530	VOLUME	479930.924	3743814.551	440.00
LOCATION L0003531	VOLUME	479930.924	3743836.551	440.00
LOCATION L0003532	VOLUME	479930.924	3743858.551	440.00
LOCATION L0003533	VOLUME	479930.924	3743880.551	440.00
LOCATION L0003534	VOLUME	479930.924	3743902.551	440.00
LOCATION L0003535	VOLUME	479930.924	3743924.551	440.00
LOCATION L0003536	VOLUME	479930.924	3743946.551	440.00
LOCATION L0003537	VOLUME	479930.924	3743968.551	440.00
LOCATION L0003538	VOLUME	479930.924	3743990.551	440.00
LOCATION L0003539	VOLUME	479930.924	3744012.551	440.00
LOCATION L0003540	VOLUME	479930.924	3744034.551	440.00
LOCATION L0003541	VOLUME	479930.924	3744056.551	440.00
LOCATION L0003542	VOLUME	479930.924	3744078.551	440.00
LOCATION L0003543	VOLUME	479930.924	3744100.551	440.00
LOCATION L0003544	VOLUME	479930.924	3744122.551	440.00

** END OF LINE VOLUME SOURCE ID = SLINE9

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE12

** DESCRSRC 20% OUTBOUND RIDER 4

** PREFIX

** LENGTH OF SIDE = 22.00

** CONFIGURATION = ADJACENT

** EMISSION RATE = 5.313E-06

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 479932.105, 3743845.305, 440.00, 3.49, 10.23

** 479930.924, 3744140.610, 440.00, 3.49, 10.23

** -----

LOCATION L0003545	VOLUME	479932.061	3743856.305	440.00
LOCATION L0003546	VOLUME	479931.973	3743878.305	440.00
LOCATION L0003547	VOLUME	479931.885	3743900.305	440.00
LOCATION L0003548	VOLUME	479931.797	3743922.305	440.00
LOCATION L0003549	VOLUME	479931.709	3743944.304	440.00
LOCATION L0003550	VOLUME	479931.621	3743966.304	440.00
LOCATION L0003551	VOLUME	479931.533	3743988.304	440.00
LOCATION L0003552	VOLUME	479931.445	3744010.304	440.00
LOCATION L0003553	VOLUME	479931.357	3744032.304	440.00
LOCATION L0003554	VOLUME	479931.269	3744054.304	440.00
LOCATION L0003555	VOLUME	479931.181	3744076.303	440.00
LOCATION L0003556	VOLUME	479931.093	3744098.303	440.00
LOCATION L0003557	VOLUME	479931.005	3744120.303	440.00

** END OF LINE VOLUME SOURCE ID = SLINE12

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE13

** DESCRSRC 15% INBOUND/OUTBOUND RIDER 4

11558 Rider 2 and 4 (10-19)

** PREFIX
 ** LENGTH OF SIDE = 22.00
 ** CONFIGURATION = ADJACENT
 ** EMISSION RATE = 0.00001014
 ** VERTICAL DIMENSION = 6.99
 ** SZINIT = 3.25
 ** NODES = 2
 ** 479930.924, 3743765.000, 440.00, 3.49, 10.23
 ** 479930.924, 3744140.610, 440.00, 3.49, 10.23

** -----

LOCATION	VOLUME	479930.924	3743776.000	440.00
L0003558	VOLUME	479930.924	3743776.000	440.00
L0003559	VOLUME	479930.924	3743798.000	440.00
L0003560	VOLUME	479930.924	3743820.000	440.00
L0003561	VOLUME	479930.924	3743842.000	440.00
L0003562	VOLUME	479930.924	3743864.000	440.00
L0003563	VOLUME	479930.924	3743886.000	440.00
L0003564	VOLUME	479930.924	3743908.000	440.00
L0003565	VOLUME	479930.924	3743930.000	440.00
L0003566	VOLUME	479930.924	3743952.000	440.00
L0003567	VOLUME	479930.924	3743974.000	440.00
L0003568	VOLUME	479930.924	3743996.000	440.00
L0003569	VOLUME	479930.924	3744018.000	440.00
L0003570	VOLUME	479930.924	3744040.000	440.00
L0003571	VOLUME	479930.924	3744062.000	440.00
L0003572	VOLUME	479930.924	3744084.000	440.00
L0003573	VOLUME	479930.924	3744106.000	440.00
L0003574	VOLUME	479930.924	3744128.000	440.00

** END OF LINE VOLUME SOURCE ID = SLINE13

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
 ** LINE VOLUME SOURCE ID = SLINE10
 ** DESCRSRC 25% INBOUND RIDER 4

** PREFIX
 ** LENGTH OF SIDE = 22.00
 ** CONFIGURATION = ADJACENT
 ** EMISSION RATE = 4.738E-06
 ** VERTICAL DIMENSION = 6.99
 ** SZINIT = 3.25
 ** NODES = 2
 ** 480156.835, 3744148.224, 439.13, 3.49, 10.23
 ** 479946.104, 3744145.665, 440.00, 3.49, 10.23

** -----

LOCATION	VOLUME	480145.836	3744148.091	439.68
L0003271	VOLUME	480145.836	3744148.091	439.68
L0003272	VOLUME	480123.837	3744147.823	440.00
L0003273	VOLUME	480101.839	3744147.556	440.00
L0003274	VOLUME	480079.841	3744147.289	440.00
L0003275	VOLUME	480057.842	3744147.022	440.00
L0003276	VOLUME	480035.844	3744146.755	440.00

11558 Rider 2 and 4 (10-19)

LOCATION L0003277	VOLUME	480013.845	3744146.488	440.00
LOCATION L0003278	VOLUME	479991.847	3744146.220	440.00
LOCATION L0003279	VOLUME	479969.849	3744145.953	440.00
LOCATION L0003280	VOLUME	479947.850	3744145.686	440.00

** END OF LINE VOLUME SOURCE ID = SLINE10

**

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE11

** DESCRSRC 5% OUTBOUND RIDER 4

** PREFIX

** LENGTH OF SIDE = 22.00

** CONFIGURATION = ADJACENT

** EMISSION RATE = 9.477E-07

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 480156.835, 3744148.224, 439.13, 3.49, 10.23

** 479946.104, 3744145.665, 440.00, 3.49, 10.23

**

LOCATION L0003281	VOLUME	480145.836	3744148.091	439.68
LOCATION L0003282	VOLUME	480123.837	3744147.823	440.00
LOCATION L0003283	VOLUME	480101.839	3744147.556	440.00
LOCATION L0003284	VOLUME	480079.841	3744147.289	440.00
LOCATION L0003285	VOLUME	480057.842	3744147.022	440.00
LOCATION L0003286	VOLUME	480035.844	3744146.755	440.00
LOCATION L0003287	VOLUME	480013.845	3744146.488	440.00
LOCATION L0003288	VOLUME	479991.847	3744146.220	440.00
LOCATION L0003289	VOLUME	479969.849	3744145.953	440.00
LOCATION L0003290	VOLUME	479947.850	3744145.686	440.00

** END OF LINE VOLUME SOURCE ID = SLINE11

** SOURCE PARAMETERS **

** LINE VOLUME SOURCE ID = SLINE1

SRCPARAM L0002458	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002459	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002460	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002461	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002462	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002463	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002464	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002465	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002466	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002467	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002468	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002469	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002470	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002471	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002472	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002473	0.0000007032	3.49	4.00	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0002474	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002475	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002476	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002477	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002478	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002479	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002480	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002481	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002482	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002483	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002484	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002485	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002486	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002487	0.0000007032	3.49	4.00	3.25
SRCPARAM L0002488	0.0000007032	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE2

SRCPARAM L0002489	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002490	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002491	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002492	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002493	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002494	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002495	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002496	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002497	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002498	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002499	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002500	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002501	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002502	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002503	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002504	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002505	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002506	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002507	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002508	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002509	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002510	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002511	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002512	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002513	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002514	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002515	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002516	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002517	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002518	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002519	0.0000006056	3.49	4.00	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0002520	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002521	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002522	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002523	0.0000006056	3.49	4.00	3.25
SRCPARAM L0002524	0.0000006056	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE3

SRCPARAM L0002525	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002526	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002527	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002528	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002529	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002530	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002531	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002532	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002533	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002534	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002535	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002536	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002537	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002538	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002539	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002540	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002541	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002542	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002543	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002544	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002545	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002546	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002547	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002548	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002549	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002550	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002551	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002552	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002553	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002554	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002555	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002556	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002557	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002558	0.0000009618	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE4

SRCPARAM L0002559	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002560	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002561	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002562	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002563	0.0000009618	3.49	4.00	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0002564	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002565	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002566	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002567	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002568	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002569	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002570	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002571	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002572	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002573	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002574	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002575	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002576	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002577	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002578	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002579	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002580	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002581	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002582	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002583	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002584	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002585	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002586	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002587	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002588	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002589	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002590	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002591	0.0000009618	3.49	4.00	3.25
SRCPARAM L0002592	0.0000009618	3.49	4.00	3.25

**

** LINE VOLUME SOURCE ID = SLINE5

SRCPARAM L0002593	0.000001511	3.49	4.00	3.25
SRCPARAM L0002594	0.000001511	3.49	4.00	3.25
SRCPARAM L0002595	0.000001511	3.49	4.00	3.25
SRCPARAM L0002596	0.000001511	3.49	4.00	3.25
SRCPARAM L0002597	0.000001511	3.49	4.00	3.25
SRCPARAM L0002598	0.000001511	3.49	4.00	3.25
SRCPARAM L0002599	0.000001511	3.49	4.00	3.25
SRCPARAM L0002600	0.000001511	3.49	4.00	3.25
SRCPARAM L0002601	0.000001511	3.49	4.00	3.25
SRCPARAM L0002602	0.000001511	3.49	4.00	3.25
SRCPARAM L0002603	0.000001511	3.49	4.00	3.25
SRCPARAM L0002604	0.000001511	3.49	4.00	3.25
SRCPARAM L0002605	0.000001511	3.49	4.00	3.25
SRCPARAM L0002606	0.000001511	3.49	4.00	3.25
SRCPARAM L0002607	0.000001511	3.49	4.00	3.25
SRCPARAM L0002608	0.000001511	3.49	4.00	3.25
SRCPARAM L0002609	0.000001511	3.49	4.00	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0002610	0.000001511	3.49	4.00	3.25
SRCPARAM L0002611	0.000001511	3.49	4.00	3.25
SRCPARAM L0002612	0.000001511	3.49	4.00	3.25
SRCPARAM L0002613	0.000001511	3.49	4.00	3.25
SRCPARAM L0002614	0.000001511	3.49	4.00	3.25
SRCPARAM L0002615	0.000001511	3.49	4.00	3.25
SRCPARAM L0002616	0.000001511	3.49	4.00	3.25
SRCPARAM L0002617	0.000001511	3.49	4.00	3.25
SRCPARAM L0002618	0.000001511	3.49	4.00	3.25
SRCPARAM L0002619	0.000001511	3.49	4.00	3.25
SRCPARAM L0002620	0.000001511	3.49	4.00	3.25
SRCPARAM L0002621	0.000001511	3.49	4.00	3.25
SRCPARAM L0002622	0.000001511	3.49	4.00	3.25
SRCPARAM L0002623	0.000001511	3.49	4.00	3.25
SRCPARAM L0002624	0.000001511	3.49	4.00	3.25
SRCPARAM L0002625	0.000001511	3.49	4.00	3.25
SRCPARAM L0002626	0.000001511	3.49	4.00	3.25
SRCPARAM L0002627	0.000001511	3.49	4.00	3.25
SRCPARAM L0002628	0.000001511	3.49	4.00	3.25
SRCPARAM L0002629	0.000001511	3.49	4.00	3.25
SRCPARAM L0002630	0.000001511	3.49	4.00	3.25
SRCPARAM L0002631	0.000001511	3.49	4.00	3.25
SRCPARAM L0002632	0.000001511	3.49	4.00	3.25
SRCPARAM L0002633	0.000001511	3.49	4.00	3.25
SRCPARAM L0002634	0.000001511	3.49	4.00	3.25
SRCPARAM L0002635	0.000001511	3.49	4.00	3.25
SRCPARAM L0002636	0.000001511	3.49	4.00	3.25
SRCPARAM L0002637	0.000001511	3.49	4.00	3.25
SRCPARAM L0002638	0.000001511	3.49	4.00	3.25
SRCPARAM L0002639	0.000001511	3.49	4.00	3.25
SRCPARAM L0002640	0.000001511	3.49	4.00	3.25
SRCPARAM L0002641	0.000001511	3.49	4.00	3.25
SRCPARAM L0002642	0.000001511	3.49	4.00	3.25
SRCPARAM L0002643	0.000001511	3.49	4.00	3.25
SRCPARAM L0002644	0.000001511	3.49	4.00	3.25
SRCPARAM L0002645	0.000001511	3.49	4.00	3.25
SRCPARAM L0002646	0.000001511	3.49	4.00	3.25
SRCPARAM L0002647	0.000001511	3.49	4.00	3.25
SRCPARAM L0002648	0.000001511	3.49	4.00	3.25
SRCPARAM L0002649	0.000001511	3.49	4.00	3.25
SRCPARAM L0002650	0.000001511	3.49	4.00	3.25
SRCPARAM L0002651	0.000001511	3.49	4.00	3.25
SRCPARAM L0002652	0.000001511	3.49	4.00	3.25
SRCPARAM L0002653	0.000001511	3.49	4.00	3.25
SRCPARAM L0002654	0.000001511	3.49	4.00	3.25
SRCPARAM L0002655	0.000001511	3.49	4.00	3.25
SRCPARAM L0002656	0.000001511	3.49	4.00	3.25
SRCPARAM L0002657	0.000001511	3.49	4.00	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0002658	0.000001511	3.49	4.00	3.25
SRCPARAM L0002659	0.000001511	3.49	4.00	3.25
SRCPARAM L0002660	0.000001511	3.49	4.00	3.25
SRCPARAM L0002661	0.000001511	3.49	4.00	3.25
SRCPARAM L0002662	0.000001511	3.49	4.00	3.25
SRCPARAM L0002663	0.000001511	3.49	4.00	3.25
SRCPARAM L0002664	0.000001511	3.49	4.00	3.25
SRCPARAM L0002665	0.000001511	3.49	4.00	3.25
SRCPARAM L0002666	0.000001511	3.49	4.00	3.25
SRCPARAM L0002667	0.000001511	3.49	4.00	3.25
SRCPARAM L0002668	0.000001511	3.49	4.00	3.25
SRCPARAM L0002669	0.000001511	3.49	4.00	3.25
SRCPARAM L0002670	0.000001511	3.49	4.00	3.25
SRCPARAM L0002671	0.000001511	3.49	4.00	3.25
SRCPARAM L0002672	0.000001511	3.49	4.00	3.25
SRCPARAM L0002673	0.000001511	3.49	4.00	3.25
SRCPARAM L0002674	0.000001511	3.49	4.00	3.25
SRCPARAM L0002675	0.000001511	3.49	4.00	3.25
SRCPARAM L0002676	0.000001511	3.49	4.00	3.25
SRCPARAM L0002677	0.000001511	3.49	4.00	3.25
SRCPARAM L0002678	0.000001511	3.49	4.00	3.25
SRCPARAM L0002679	0.000001511	3.49	4.00	3.25
SRCPARAM L0002680	0.000001511	3.49	4.00	3.25
SRCPARAM L0002681	0.000001511	3.49	4.00	3.25
SRCPARAM L0002682	0.000001511	3.49	4.00	3.25
SRCPARAM L0002683	0.000001511	3.49	4.00	3.25
SRCPARAM L0002684	0.000001511	3.49	4.00	3.25
SRCPARAM L0002685	0.000001511	3.49	4.00	3.25
SRCPARAM L0002686	0.000001511	3.49	4.00	3.25
SRCPARAM L0002687	0.000001511	3.49	4.00	3.25
SRCPARAM L0002688	0.000001511	3.49	4.00	3.25
SRCPARAM L0002689	0.000001511	3.49	4.00	3.25
SRCPARAM L0002690	0.000001511	3.49	4.00	3.25
SRCPARAM L0002691	0.000001511	3.49	4.00	3.25
SRCPARAM L0002692	0.000001511	3.49	4.00	3.25
SRCPARAM L0002693	0.000001511	3.49	4.00	3.25
SRCPARAM L0002694	0.000001511	3.49	4.00	3.25
SRCPARAM L0002695	0.000001511	3.49	4.00	3.25
SRCPARAM L0002696	0.000001511	3.49	4.00	3.25
SRCPARAM L0002697	0.000001511	3.49	4.00	3.25
SRCPARAM L0002698	0.000001511	3.49	4.00	3.25
SRCPARAM L0002699	0.000001511	3.49	4.00	3.25
SRCPARAM L0002700	0.000001511	3.49	4.00	3.25
SRCPARAM L0002701	0.000001511	3.49	4.00	3.25
SRCPARAM L0002702	0.000001511	3.49	4.00	3.25
SRCPARAM L0002703	0.000001511	3.49	4.00	3.25
SRCPARAM L0002704	0.000001511	3.49	4.00	3.25
SRCPARAM L0002705	0.000001511	3.49	4.00	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0002706	0.000001511	3.49	4.00	3.25
SRCPARAM L0002707	0.000001511	3.49	4.00	3.25
SRCPARAM L0002708	0.000001511	3.49	4.00	3.25
SRCPARAM L0002709	0.000001511	3.49	4.00	3.25
SRCPARAM L0002710	0.000001511	3.49	4.00	3.25
SRCPARAM L0002711	0.000001511	3.49	4.00	3.25
SRCPARAM L0002712	0.000001511	3.49	4.00	3.25
SRCPARAM L0002713	0.000001511	3.49	4.00	3.25
SRCPARAM L0002714	0.000001511	3.49	4.00	3.25
SRCPARAM L0002715	0.000001511	3.49	4.00	3.25
SRCPARAM L0002716	0.000001511	3.49	4.00	3.25
SRCPARAM L0002717	0.000001511	3.49	4.00	3.25
SRCPARAM L0002718	0.000001511	3.49	4.00	3.25
SRCPARAM L0002719	0.000001511	3.49	4.00	3.25
SRCPARAM L0002720	0.000001511	3.49	4.00	3.25
SRCPARAM L0002721	0.000001511	3.49	4.00	3.25
SRCPARAM L0002722	0.000001511	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE6

SRCPARAM L0002723	0.000002264	3.49	4.00	3.25
SRCPARAM L0002724	0.000002264	3.49	4.00	3.25
SRCPARAM L0002725	0.000002264	3.49	4.00	3.25
SRCPARAM L0002726	0.000002264	3.49	4.00	3.25
SRCPARAM L0002727	0.000002264	3.49	4.00	3.25
SRCPARAM L0002728	0.000002264	3.49	4.00	3.25
SRCPARAM L0002729	0.000002264	3.49	4.00	3.25
SRCPARAM L0002730	0.000002264	3.49	4.00	3.25
SRCPARAM L0002731	0.000002264	3.49	4.00	3.25
SRCPARAM L0002732	0.000002264	3.49	4.00	3.25
SRCPARAM L0002733	0.000002264	3.49	4.00	3.25
SRCPARAM L0002734	0.000002264	3.49	4.00	3.25
SRCPARAM L0002735	0.000002264	3.49	4.00	3.25
SRCPARAM L0002736	0.000002264	3.49	4.00	3.25
SRCPARAM L0002737	0.000002264	3.49	4.00	3.25
SRCPARAM L0002738	0.000002264	3.49	4.00	3.25
SRCPARAM L0002739	0.000002264	3.49	4.00	3.25
SRCPARAM L0002740	0.000002264	3.49	4.00	3.25
SRCPARAM L0002741	0.000002264	3.49	4.00	3.25
SRCPARAM L0002742	0.000002264	3.49	4.00	3.25
SRCPARAM L0002743	0.000002264	3.49	4.00	3.25
SRCPARAM L0002744	0.000002264	3.49	4.00	3.25
SRCPARAM L0002745	0.000002264	3.49	4.00	3.25
SRCPARAM L0002746	0.000002264	3.49	4.00	3.25
SRCPARAM L0002747	0.000002264	3.49	4.00	3.25
SRCPARAM L0002748	0.000002264	3.49	4.00	3.25
SRCPARAM L0002749	0.000002264	3.49	4.00	3.25
SRCPARAM L0002750	0.000002264	3.49	4.00	3.25
SRCPARAM L0002751	0.000002264	3.49	4.00	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0002752	0.000002264	3.49	4.00	3.25
SRCPARAM L0002753	0.000002264	3.49	4.00	3.25
SRCPARAM L0002754	0.000002264	3.49	4.00	3.25
SRCPARAM L0002755	0.000002264	3.49	4.00	3.25
SRCPARAM L0002756	0.000002264	3.49	4.00	3.25
SRCPARAM L0002757	0.000002264	3.49	4.00	3.25
SRCPARAM L0002758	0.000002264	3.49	4.00	3.25
SRCPARAM L0002759	0.000002264	3.49	4.00	3.25
SRCPARAM L0002760	0.000002264	3.49	4.00	3.25
SRCPARAM L0002761	0.000002264	3.49	4.00	3.25
SRCPARAM L0002762	0.000002264	3.49	4.00	3.25
SRCPARAM L0002763	0.000002264	3.49	4.00	3.25
SRCPARAM L0002764	0.000002264	3.49	4.00	3.25
SRCPARAM L0002765	0.000002264	3.49	4.00	3.25
SRCPARAM L0002766	0.000002264	3.49	4.00	3.25
SRCPARAM L0002767	0.000002264	3.49	4.00	3.25
SRCPARAM L0002768	0.000002264	3.49	4.00	3.25
SRCPARAM L0002769	0.000002264	3.49	4.00	3.25
SRCPARAM L0002770	0.000002264	3.49	4.00	3.25
SRCPARAM L0002771	0.000002264	3.49	4.00	3.25
SRCPARAM L0002772	0.000002264	3.49	4.00	3.25
SRCPARAM L0002773	0.000002264	3.49	4.00	3.25
SRCPARAM L0002774	0.000002264	3.49	4.00	3.25
SRCPARAM L0002775	0.000002264	3.49	4.00	3.25
SRCPARAM L0002776	0.000002264	3.49	4.00	3.25
SRCPARAM L0002777	0.000002264	3.49	4.00	3.25
SRCPARAM L0002778	0.000002264	3.49	4.00	3.25
SRCPARAM L0002779	0.000002264	3.49	4.00	3.25
SRCPARAM L0002780	0.000002264	3.49	4.00	3.25
SRCPARAM L0002781	0.000002264	3.49	4.00	3.25
SRCPARAM L0002782	0.000002264	3.49	4.00	3.25
SRCPARAM L0002783	0.000002264	3.49	4.00	3.25
SRCPARAM L0002784	0.000002264	3.49	4.00	3.25
SRCPARAM L0002785	0.000002264	3.49	4.00	3.25
SRCPARAM L0002786	0.000002264	3.49	4.00	3.25
SRCPARAM L0002787	0.000002264	3.49	4.00	3.25
SRCPARAM L0002788	0.000002264	3.49	4.00	3.25
SRCPARAM L0002789	0.000002264	3.49	4.00	3.25
SRCPARAM L0002790	0.000002264	3.49	4.00	3.25
SRCPARAM L0002791	0.000002264	3.49	4.00	3.25
SRCPARAM L0002792	0.000002264	3.49	4.00	3.25
SRCPARAM L0002793	0.000002264	3.49	4.00	3.25
SRCPARAM L0002794	0.000002264	3.49	4.00	3.25
SRCPARAM L0002795	0.000002264	3.49	4.00	3.25
SRCPARAM L0002796	0.000002264	3.49	4.00	3.25
SRCPARAM L0002797	0.000002264	3.49	4.00	3.25
SRCPARAM L0002798	0.000002264	3.49	4.00	3.25
SRCPARAM L0002799	0.000002264	3.49	4.00	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0002800	0.000002264	3.49	4.00	3.25
SRCPARAM L0002801	0.000002264	3.49	4.00	3.25
SRCPARAM L0002802	0.000002264	3.49	4.00	3.25
SRCPARAM L0002803	0.000002264	3.49	4.00	3.25
SRCPARAM L0002804	0.000002264	3.49	4.00	3.25
SRCPARAM L0002805	0.000002264	3.49	4.00	3.25
SRCPARAM L0002806	0.000002264	3.49	4.00	3.25
SRCPARAM L0002807	0.000002264	3.49	4.00	3.25
SRCPARAM L0002808	0.000002264	3.49	4.00	3.25
SRCPARAM L0002809	0.000002264	3.49	4.00	3.25
SRCPARAM L0002810	0.000002264	3.49	4.00	3.25
SRCPARAM L0002811	0.000002264	3.49	4.00	3.25
SRCPARAM L0002812	0.000002264	3.49	4.00	3.25
SRCPARAM L0002813	0.000002264	3.49	4.00	3.25
SRCPARAM L0002814	0.000002264	3.49	4.00	3.25
SRCPARAM L0002815	0.000002264	3.49	4.00	3.25
SRCPARAM L0002816	0.000002264	3.49	4.00	3.25
SRCPARAM L0002817	0.000002264	3.49	4.00	3.25
SRCPARAM L0002818	0.000002264	3.49	4.00	3.25
SRCPARAM L0002819	0.000002264	3.49	4.00	3.25
SRCPARAM L0002820	0.000002264	3.49	4.00	3.25
SRCPARAM L0002821	0.000002264	3.49	4.00	3.25
SRCPARAM L0002822	0.000002264	3.49	4.00	3.25
SRCPARAM L0002823	0.000002264	3.49	4.00	3.25
SRCPARAM L0002824	0.000002264	3.49	4.00	3.25
SRCPARAM L0002825	0.000002264	3.49	4.00	3.25
SRCPARAM L0002826	0.000002264	3.49	4.00	3.25
SRCPARAM L0002827	0.000002264	3.49	4.00	3.25
SRCPARAM L0002828	0.000002264	3.49	4.00	3.25
SRCPARAM L0002829	0.000002264	3.49	4.00	3.25
SRCPARAM L0002830	0.000002264	3.49	4.00	3.25
SRCPARAM L0002831	0.000002264	3.49	4.00	3.25
SRCPARAM L0002832	0.000002264	3.49	4.00	3.25
SRCPARAM L0002833	0.000002264	3.49	4.00	3.25
SRCPARAM L0002834	0.000002264	3.49	4.00	3.25
SRCPARAM L0002835	0.000002264	3.49	4.00	3.25
SRCPARAM L0002836	0.000002264	3.49	4.00	3.25
SRCPARAM L0002837	0.000002264	3.49	4.00	3.25
SRCPARAM L0002838	0.000002264	3.49	4.00	3.25
SRCPARAM L0002839	0.000002264	3.49	4.00	3.25
SRCPARAM L0002840	0.000002264	3.49	4.00	3.25
SRCPARAM L0002841	0.000002264	3.49	4.00	3.25
SRCPARAM L0002842	0.000002264	3.49	4.00	3.25
SRCPARAM L0002843	0.000002264	3.49	4.00	3.25
SRCPARAM L0002844	0.000002264	3.49	4.00	3.25
SRCPARAM L0002845	0.000002264	3.49	4.00	3.25
SRCPARAM L0002846	0.000002264	3.49	4.00	3.25
SRCPARAM L0002847	0.000002264	3.49	4.00	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0002848	0.000002264	3.49	4.00	3.25
SRCPARAM L0002849	0.000002264	3.49	4.00	3.25
SRCPARAM L0002850	0.000002264	3.49	4.00	3.25
SRCPARAM L0002851	0.000002264	3.49	4.00	3.25
SRCPARAM L0002852	0.000002264	3.49	4.00	3.25
SRCPARAM L0002853	0.000002264	3.49	4.00	3.25
SRCPARAM L0002854	0.000002264	3.49	4.00	3.25
SRCPARAM L0002855	0.000002264	3.49	4.00	3.25
SRCPARAM L0002856	0.000002264	3.49	4.00	3.25
SRCPARAM L0002857	0.000002264	3.49	4.00	3.25
SRCPARAM L0002858	0.000002264	3.49	4.00	3.25
SRCPARAM L0002859	0.000002264	3.49	4.00	3.25
SRCPARAM L0002860	0.000002264	3.49	4.00	3.25
SRCPARAM L0002861	0.000002264	3.49	4.00	3.25
SRCPARAM L0002862	0.000002264	3.49	4.00	3.25
SRCPARAM L0002863	0.000002264	3.49	4.00	3.25
SRCPARAM L0002864	0.000002264	3.49	4.00	3.25
SRCPARAM L0002865	0.000002264	3.49	4.00	3.25
SRCPARAM L0002866	0.000002264	3.49	4.00	3.25
SRCPARAM L0002867	0.000002264	3.49	4.00	3.25
SRCPARAM L0002868	0.000002264	3.49	4.00	3.25
SRCPARAM L0002869	0.000002264	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE7

SRCPARAM L0002870	0.000003952	3.49	10.23	3.25
SRCPARAM L0002871	0.000003952	3.49	10.23	3.25
SRCPARAM L0002872	0.000003952	3.49	10.23	3.25
SRCPARAM L0002873	0.000003952	3.49	10.23	3.25
SRCPARAM L0002874	0.000003952	3.49	10.23	3.25
SRCPARAM L0002875	0.000003952	3.49	10.23	3.25
SRCPARAM L0002876	0.000003952	3.49	10.23	3.25
SRCPARAM L0002877	0.000003952	3.49	10.23	3.25
SRCPARAM L0002878	0.000003952	3.49	10.23	3.25
SRCPARAM L0002879	0.000003952	3.49	10.23	3.25
SRCPARAM L0002880	0.000003952	3.49	10.23	3.25
SRCPARAM L0002881	0.000003952	3.49	10.23	3.25
SRCPARAM L0002882	0.000003952	3.49	10.23	3.25
SRCPARAM L0002883	0.000003952	3.49	10.23	3.25
SRCPARAM L0002884	0.000003952	3.49	10.23	3.25
SRCPARAM L0002885	0.000003952	3.49	10.23	3.25
SRCPARAM L0002886	0.000003952	3.49	10.23	3.25
SRCPARAM L0002887	0.000003952	3.49	10.23	3.25
SRCPARAM L0002888	0.000003952	3.49	10.23	3.25
SRCPARAM L0002889	0.000003952	3.49	10.23	3.25
SRCPARAM L0002890	0.000003952	3.49	10.23	3.25
SRCPARAM L0002891	0.000003952	3.49	10.23	3.25
SRCPARAM L0002892	0.000003952	3.49	10.23	3.25
SRCPARAM L0002893	0.000003952	3.49	10.23	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0002894	0.000003952	3.49	10.23	3.25
SRCPARAM L0002895	0.000003952	3.49	10.23	3.25
SRCPARAM L0002896	0.000003952	3.49	10.23	3.25
SRCPARAM L0002897	0.000003952	3.49	10.23	3.25
SRCPARAM L0002898	0.000003952	3.49	10.23	3.25
SRCPARAM L0002899	0.000003952	3.49	10.23	3.25
SRCPARAM L0002900	0.000003952	3.49	10.23	3.25
SRCPARAM L0002901	0.000003952	3.49	10.23	3.25
SRCPARAM L0002902	0.000003952	3.49	10.23	3.25
SRCPARAM L0002903	0.000003952	3.49	10.23	3.25
SRCPARAM L0002904	0.000003952	3.49	10.23	3.25
SRCPARAM L0002905	0.000003952	3.49	10.23	3.25
SRCPARAM L0002906	0.000003952	3.49	10.23	3.25
SRCPARAM L0002907	0.000003952	3.49	10.23	3.25
SRCPARAM L0002908	0.000003952	3.49	10.23	3.25
SRCPARAM L0002909	0.000003952	3.49	10.23	3.25
SRCPARAM L0002910	0.000003952	3.49	10.23	3.25
SRCPARAM L0002911	0.000003952	3.49	10.23	3.25
SRCPARAM L0002912	0.000003952	3.49	10.23	3.25
SRCPARAM L0002913	0.000003952	3.49	10.23	3.25
SRCPARAM L0002914	0.000003952	3.49	10.23	3.25
SRCPARAM L0002915	0.000003952	3.49	10.23	3.25
SRCPARAM L0002916	0.000003952	3.49	10.23	3.25
SRCPARAM L0002917	0.000003952	3.49	10.23	3.25
SRCPARAM L0002918	0.000003952	3.49	10.23	3.25
SRCPARAM L0002919	0.000003952	3.49	10.23	3.25
SRCPARAM L0002920	0.000003952	3.49	10.23	3.25
SRCPARAM L0002921	0.000003952	3.49	10.23	3.25
SRCPARAM L0002922	0.000003952	3.49	10.23	3.25
SRCPARAM L0002923	0.000003952	3.49	10.23	3.25
SRCPARAM L0002924	0.000003952	3.49	10.23	3.25
SRCPARAM L0002925	0.000003952	3.49	10.23	3.25
SRCPARAM L0002926	0.000003952	3.49	10.23	3.25
SRCPARAM L0002927	0.000003952	3.49	10.23	3.25
SRCPARAM L0002928	0.000003952	3.49	10.23	3.25
SRCPARAM L0002929	0.000003952	3.49	10.23	3.25
SRCPARAM L0002930	0.000003952	3.49	10.23	3.25
SRCPARAM L0002931	0.000003952	3.49	10.23	3.25
SRCPARAM L0002932	0.000003952	3.49	10.23	3.25
SRCPARAM L0002933	0.000003952	3.49	10.23	3.25
SRCPARAM L0002934	0.000003952	3.49	10.23	3.25
SRCPARAM L0002935	0.000003952	3.49	10.23	3.25
SRCPARAM L0002936	0.000003952	3.49	10.23	3.25
SRCPARAM L0002937	0.000003952	3.49	10.23	3.25
SRCPARAM L0002938	0.000003952	3.49	10.23	3.25
SRCPARAM L0002939	0.000003952	3.49	10.23	3.25
SRCPARAM L0002940	0.000003952	3.49	10.23	3.25
SRCPARAM L0002941	0.000003952	3.49	10.23	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0003038	0.000003952	3.49	10.23	3.25
SRCPARAM L0003039	0.000003952	3.49	10.23	3.25
SRCPARAM L0003040	0.000003952	3.49	10.23	3.25
SRCPARAM L0003041	0.000003952	3.49	10.23	3.25
SRCPARAM L0003042	0.000003952	3.49	10.23	3.25
SRCPARAM L0003043	0.000003952	3.49	10.23	3.25
SRCPARAM L0003044	0.000003952	3.49	10.23	3.25
SRCPARAM L0003045	0.000003952	3.49	10.23	3.25
SRCPARAM L0003046	0.000003952	3.49	10.23	3.25
SRCPARAM L0003047	0.000003952	3.49	10.23	3.25
SRCPARAM L0003048	0.000003952	3.49	10.23	3.25
SRCPARAM L0003049	0.000003952	3.49	10.23	3.25
SRCPARAM L0003050	0.000003952	3.49	10.23	3.25
SRCPARAM L0003051	0.000003952	3.49	10.23	3.25
SRCPARAM L0003052	0.000003952	3.49	10.23	3.25
SRCPARAM L0003053	0.000003952	3.49	10.23	3.25
SRCPARAM L0003054	0.000003952	3.49	10.23	3.25
SRCPARAM L0003055	0.000003952	3.49	10.23	3.25
SRCPARAM L0003056	0.000003952	3.49	10.23	3.25
SRCPARAM L0003057	0.000003952	3.49	10.23	3.25
SRCPARAM L0003058	0.000003952	3.49	10.23	3.25
SRCPARAM L0003059	0.000003952	3.49	10.23	3.25
SRCPARAM L0003060	0.000003952	3.49	10.23	3.25
SRCPARAM L0003061	0.000003952	3.49	10.23	3.25
SRCPARAM L0003062	0.000003952	3.49	10.23	3.25
SRCPARAM L0003063	0.000003952	3.49	10.23	3.25
SRCPARAM L0003064	0.000003952	3.49	10.23	3.25
SRCPARAM L0003065	0.000003952	3.49	10.23	3.25
SRCPARAM L0003066	0.000003952	3.49	10.23	3.25
SRCPARAM L0003067	0.000003952	3.49	10.23	3.25
SRCPARAM L0003068	0.000003952	3.49	10.23	3.25
SRCPARAM L0003069	0.000003952	3.49	10.23	3.25
SRCPARAM L0003070	0.000003952	3.49	10.23	3.25
SRCPARAM L0003071	0.000003952	3.49	10.23	3.25
SRCPARAM L0003072	0.000003952	3.49	10.23	3.25
SRCPARAM L0003073	0.000003952	3.49	10.23	3.25
SRCPARAM L0003074	0.000003952	3.49	10.23	3.25
SRCPARAM L0003075	0.000003952	3.49	10.23	3.25
SRCPARAM L0003076	0.000003952	3.49	10.23	3.25
SRCPARAM L0003077	0.000003952	3.49	10.23	3.25
SRCPARAM L0003078	0.000003952	3.49	10.23	3.25
SRCPARAM L0003079	0.000003952	3.49	10.23	3.25
SRCPARAM L0003080	0.000003952	3.49	10.23	3.25
SRCPARAM L0003081	0.000003952	3.49	10.23	3.25
SRCPARAM L0003082	0.000003952	3.49	10.23	3.25
SRCPARAM L0003083	0.000003952	3.49	10.23	3.25
SRCPARAM L0003084	0.000003952	3.49	10.23	3.25
SRCPARAM L0003085	0.000003952	3.49	10.23	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0003134	0.000003952	3.49	10.23	3.25
SRCPARAM L0003135	0.000003952	3.49	10.23	3.25
SRCPARAM L0003136	0.000003952	3.49	10.23	3.25
SRCPARAM L0003137	0.000003952	3.49	10.23	3.25
SRCPARAM L0003138	0.000003952	3.49	10.23	3.25
SRCPARAM L0003139	0.000003952	3.49	10.23	3.25
SRCPARAM L0003140	0.000003952	3.49	10.23	3.25
SRCPARAM L0003141	0.000003952	3.49	10.23	3.25
SRCPARAM L0003142	0.000003952	3.49	10.23	3.25
SRCPARAM L0003143	0.000003952	3.49	10.23	3.25
SRCPARAM L0003144	0.000003952	3.49	10.23	3.25
SRCPARAM L0003145	0.000003952	3.49	10.23	3.25
SRCPARAM L0003146	0.000003952	3.49	10.23	3.25
SRCPARAM L0003147	0.000003952	3.49	10.23	3.25
SRCPARAM L0003148	0.000003952	3.49	10.23	3.25
SRCPARAM L0003149	0.000003952	3.49	10.23	3.25
SRCPARAM L0003150	0.000003952	3.49	10.23	3.25
SRCPARAM L0003151	0.000003952	3.49	10.23	3.25
SRCPARAM L0003152	0.000003952	3.49	10.23	3.25
SRCPARAM L0003153	0.000003952	3.49	10.23	3.25
SRCPARAM L0003154	0.000003952	3.49	10.23	3.25
SRCPARAM L0003155	0.000003952	3.49	10.23	3.25
SRCPARAM L0003156	0.000003952	3.49	10.23	3.25
SRCPARAM L0003157	0.000003952	3.49	10.23	3.25
SRCPARAM L0003158	0.000003952	3.49	10.23	3.25
SRCPARAM L0003159	0.000003952	3.49	10.23	3.25
SRCPARAM L0003160	0.000003952	3.49	10.23	3.25
SRCPARAM L0003161	0.000003952	3.49	10.23	3.25

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** LINE VOLUME SOURCE ID = SLINE8

SRCPARAM L0003291	0.000001204	3.49	10.23	3.25
SRCPARAM L0003292	0.000001204	3.49	10.23	3.25
SRCPARAM L0003293	0.000001204	3.49	10.23	3.25
SRCPARAM L0003294	0.000001204	3.49	10.23	3.25
SRCPARAM L0003295	0.000001204	3.49	10.23	3.25
SRCPARAM L0003296	0.000001204	3.49	10.23	3.25
SRCPARAM L0003297	0.000001204	3.49	10.23	3.25
SRCPARAM L0003298	0.000001204	3.49	10.23	3.25
SRCPARAM L0003299	0.000001204	3.49	10.23	3.25
SRCPARAM L0003300	0.000001204	3.49	10.23	3.25
SRCPARAM L0003301	0.000001204	3.49	10.23	3.25
SRCPARAM L0003302	0.000001204	3.49	10.23	3.25
SRCPARAM L0003303	0.000001204	3.49	10.23	3.25
SRCPARAM L0003304	0.000001204	3.49	10.23	3.25
SRCPARAM L0003305	0.000001204	3.49	10.23	3.25
SRCPARAM L0003306	0.000001204	3.49	10.23	3.25
SRCPARAM L0003307	0.000001204	3.49	10.23	3.25
SRCPARAM L0003308	0.000001204	3.49	10.23	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0003309	0.000001204	3.49	10.23	3.25
SRCPARAM L0003310	0.000001204	3.49	10.23	3.25
SRCPARAM L0003311	0.000001204	3.49	10.23	3.25
SRCPARAM L0003312	0.000001204	3.49	10.23	3.25

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** LINE VOLUME SOURCE ID = SLINE9

SRCPARAM L0003523	0.000001205	3.49	10.23	3.25
SRCPARAM L0003524	0.000001205	3.49	10.23	3.25
SRCPARAM L0003525	0.000001205	3.49	10.23	3.25
SRCPARAM L0003526	0.000001205	3.49	10.23	3.25
SRCPARAM L0003527	0.000001205	3.49	10.23	3.25
SRCPARAM L0003528	0.000001205	3.49	10.23	3.25
SRCPARAM L0003529	0.000001205	3.49	10.23	3.25
SRCPARAM L0003530	0.000001205	3.49	10.23	3.25
SRCPARAM L0003531	0.000001205	3.49	10.23	3.25
SRCPARAM L0003532	0.000001205	3.49	10.23	3.25
SRCPARAM L0003533	0.000001205	3.49	10.23	3.25
SRCPARAM L0003534	0.000001205	3.49	10.23	3.25
SRCPARAM L0003535	0.000001205	3.49	10.23	3.25
SRCPARAM L0003536	0.000001205	3.49	10.23	3.25
SRCPARAM L0003537	0.000001205	3.49	10.23	3.25
SRCPARAM L0003538	0.000001205	3.49	10.23	3.25
SRCPARAM L0003539	0.000001205	3.49	10.23	3.25
SRCPARAM L0003540	0.000001205	3.49	10.23	3.25
SRCPARAM L0003541	0.000001205	3.49	10.23	3.25
SRCPARAM L0003542	0.000001205	3.49	10.23	3.25
SRCPARAM L0003543	0.000001205	3.49	10.23	3.25
SRCPARAM L0003544	0.000001205	3.49	10.23	3.25

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** LINE VOLUME SOURCE ID = SLINE12

SRCPARAM L0003545	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003546	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003547	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003548	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003549	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003550	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003551	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003552	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003553	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003554	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003555	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003556	0.0000004087	3.49	10.23	3.25
SRCPARAM L0003557	0.0000004087	3.49	10.23	3.25

**

** LINE VOLUME SOURCE ID = SLINE13

SRCPARAM L0003558	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003559	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003560	0.0000005965	3.49	10.23	3.25

11558 Rider 2 and 4 (10-19)

SRCPARAM L0003561	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003562	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003563	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003564	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003565	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003566	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003567	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003568	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003569	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003570	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003571	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003572	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003573	0.0000005965	3.49	10.23	3.25
SRCPARAM L0003574	0.0000005965	3.49	10.23	3.25

**

** LINE VOLUME SOURCE ID = SLINE10

SRCPARAM L0003271	0.0000004738	3.49	10.23	3.25
SRCPARAM L0003272	0.0000004738	3.49	10.23	3.25
SRCPARAM L0003273	0.0000004738	3.49	10.23	3.25
SRCPARAM L0003274	0.0000004738	3.49	10.23	3.25
SRCPARAM L0003275	0.0000004738	3.49	10.23	3.25
SRCPARAM L0003276	0.0000004738	3.49	10.23	3.25
SRCPARAM L0003277	0.0000004738	3.49	10.23	3.25
SRCPARAM L0003278	0.0000004738	3.49	10.23	3.25
SRCPARAM L0003279	0.0000004738	3.49	10.23	3.25
SRCPARAM L0003280	0.0000004738	3.49	10.23	3.25

**

** LINE VOLUME SOURCE ID = SLINE11

SRCPARAM L0003281	0.00000009477	3.49	10.23	3.25
SRCPARAM L0003282	0.00000009477	3.49	10.23	3.25
SRCPARAM L0003283	0.00000009477	3.49	10.23	3.25
SRCPARAM L0003284	0.00000009477	3.49	10.23	3.25
SRCPARAM L0003285	0.00000009477	3.49	10.23	3.25
SRCPARAM L0003286	0.00000009477	3.49	10.23	3.25
SRCPARAM L0003287	0.00000009477	3.49	10.23	3.25
SRCPARAM L0003288	0.00000009477	3.49	10.23	3.25
SRCPARAM L0003289	0.00000009477	3.49	10.23	3.25
SRCPARAM L0003290	0.00000009477	3.49	10.23	3.25

**

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

** AERMOD RECEPTOR PATHWAY

**

**

11558 Rider 2 and 4 (10-19)

RE STARTING
INCLUDED "11558 RIDER 2 AND 4 (10-19).ROU"
RE FINISHED

**

** AERMOD METEOROLOGY PATHWAY

**
**

ME STARTING
SURFFILE PERRISADJU\PERI_V9_ADJU\PERI_V9.SFC
PROFFILE PERRISADJU\PERI_V9_ADJU\PERI_V9.PFL
SURFDATA 3171 2010
UAIRDATA 3190 2010
SITEDATA 99999 2010
PROFBASE 442.0 METERS

ME FINISHED
**

** AERMOD OUTPUT PATHWAY

**
**

OU STARTING
** AUTO-GENERATED PLOTFILES
PLOTFILE ANNUAL ALL "11558 RIDER 2 AND 4 (10-19).AD\AN00GALL.PLT" 31
SUMMFILE "11558 RIDER 2 AND 4 (10-19).SUM"
OU FINISHED

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

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

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

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

***** WARNING MESSAGES *****
ME W186 1935 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
 0.50
ME W187 1935 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

11558 Rider 2 and 4 (10-19)

**This Run Includes: 798 Source(s); 1 Source Group(s); and 33 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 798 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 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
and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; 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: 11558 RIDER 2 AND 4 (10-19).ERR

**File for Summary of Results: 11558 RIDER 2 AND 4 (10-19).SUM

11558 Rider 2 and 4 (10-19)

*** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19

*** AERMET - VERSION 16216 *** ***

11:15:28

PAGE 2

*** 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	SCALAR	VARY		X	Y		
(METERS)		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)
L0002458		0	0.70320E-06	479995.7	3744073.6	440.0	3.49	4.00
3.25	YES							
L0002459		0	0.70320E-06	479995.7	3744065.0	440.0	3.49	4.00
3.25	YES							
L0002460		0	0.70320E-06	479995.7	3744056.4	440.0	3.49	4.00
3.25	YES							
L0002461		0	0.70320E-06	479995.7	3744047.8	440.0	3.49	4.00
3.25	YES							
L0002462		0	0.70320E-06	479995.7	3744039.3	440.0	3.49	4.00
3.25	YES							
L0002463		0	0.70320E-06	479995.7	3744030.7	440.0	3.49	4.00
3.25	YES							
L0002464		0	0.70320E-06	479995.7	3744022.1	440.0	3.49	4.00
3.25	YES							
L0002465		0	0.70320E-06	479995.7	3744013.5	440.0	3.49	4.00
3.25	YES							
L0002466		0	0.70320E-06	479995.7	3744004.9	440.0	3.49	4.00
3.25	YES							
L0002467		0	0.70320E-06	479995.7	3743996.3	440.0	3.49	4.00
3.25	YES							
L0002468		0	0.70320E-06	479995.7	3743987.7	440.0	3.49	4.00
3.25	YES							
L0002469		0	0.70320E-06	479995.7	3743979.1	440.0	3.49	4.00
3.25	YES							
L0002470		0	0.70320E-06	479995.7	3743970.5	440.0	3.49	4.00
3.25	YES							
L0002471		0	0.70320E-06	479995.7	3743961.9	440.0	3.49	4.00
3.25	YES							

11558 Rider 2 and 4 (10-19)

L0002472	0	0.70320E-06	479995.7	3743953.4	440.0	3.49	4.00
3.25 YES							
L0002473	0	0.70320E-06	479995.7	3743944.8	440.0	3.49	4.00
3.25 YES							
L0002474	0	0.70320E-06	479995.7	3743936.2	440.0	3.49	4.00
3.25 YES							
L0002475	0	0.70320E-06	479995.7	3743927.6	440.0	3.49	4.00
3.25 YES							
L0002476	0	0.70320E-06	479995.7	3743919.0	440.0	3.49	4.00
3.25 YES							
L0002477	0	0.70320E-06	479995.7	3743910.4	440.0	3.49	4.00
3.25 YES							
L0002478	0	0.70320E-06	479995.7	3743901.8	440.0	3.49	4.00
3.25 YES							
L0002479	0	0.70320E-06	479995.7	3743893.2	439.9	3.49	4.00
3.25 YES							
L0002480	0	0.70320E-06	479995.7	3743884.6	439.8	3.49	4.00
3.25 YES							
L0002481	0	0.70320E-06	479995.7	3743876.0	439.7	3.49	4.00
3.25 YES							
L0002482	0	0.70320E-06	479995.7	3743867.5	439.5	3.49	4.00
3.25 YES							
L0002483	0	0.70320E-06	479995.7	3743858.9	439.5	3.49	4.00
3.25 YES							
L0002484	0	0.70320E-06	479995.7	3743850.3	439.5	3.49	4.00
3.25 YES							
L0002485	0	0.70320E-06	479995.7	3743841.7	439.5	3.49	4.00
3.25 YES							
L0002486	0	0.70320E-06	479995.7	3743833.1	439.4	3.49	4.00
3.25 YES							
L0002487	0	0.70320E-06	479995.7	3743824.5	439.3	3.49	4.00
3.25 YES							
L0002488	0	0.70320E-06	479995.7	3743815.9	439.2	3.49	4.00
3.25 YES							
L0002489	0	0.60560E-06	480165.0	3744098.8	439.0	3.49	4.00
3.25 YES							
L0002490	0	0.60560E-06	480165.1	3744090.2	439.0	3.49	4.00
3.25 YES							
L0002491	0	0.60560E-06	480165.2	3744081.6	439.0	3.49	4.00
3.25 YES							
L0002492	0	0.60560E-06	480165.3	3744073.0	439.0	3.49	4.00
3.25 YES							
L0002493	0	0.60560E-06	480165.4	3744064.4	439.0	3.49	4.00
3.25 YES							
L0002494	0	0.60560E-06	480165.5	3744055.9	439.0	3.49	4.00
3.25 YES							
L0002495	0	0.60560E-06	480165.6	3744047.3	439.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002496 0 0.60560E-06 480165.7 3744038.7 439.0 3.49 4.00
 3.25 YES
 L0002497 0 0.60560E-06 480165.8 3744030.1 439.0 3.49 4.00
 3.25 YES

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 3

*** 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)

L0002498	0	0.60560E-06	480165.9	3744021.5		439.0	3.49	4.00
3.25	YES							
L0002499	0	0.60560E-06	480166.0	3744012.9		439.0	3.49	4.00
3.25	YES							
L0002500	0	0.60560E-06	480166.1	3744004.3		439.0	3.49	4.00
3.25	YES							
L0002501	0	0.60560E-06	480166.3	3743995.7		439.0	3.49	4.00
3.25	YES							
L0002502	0	0.60560E-06	480166.4	3743987.1		439.0	3.49	4.00
3.25	YES							
L0002503	0	0.60560E-06	480166.5	3743978.6		439.0	3.49	4.00
3.25	YES							
L0002504	0	0.60560E-06	480166.6	3743970.0		439.0	3.49	4.00
3.25	YES							
L0002505	0	0.60560E-06	480166.7	3743961.4		439.0	3.49	4.00
3.25	YES							
L0002506	0	0.60560E-06	480166.8	3743952.8		439.0	3.49	4.00
3.25	YES							
L0002507	0	0.60560E-06	480166.9	3743944.2		439.0	3.49	4.00
3.25	YES							
L0002508	0	0.60560E-06	480167.0	3743935.6		439.0	3.49	4.00
3.25	YES							
L0002509	0	0.60560E-06	480167.1	3743927.0		439.0	3.49	4.00
3.25	YES							

11558 Rider 2 and 4 (10-19)

L0002510	0	0.60560E-06	480167.2	3743918.4	439.0	3.49	4.00
3.25 YES							
L0002511	0	0.60560E-06	480167.3	3743909.8	439.0	3.49	4.00
3.25 YES							
L0002512	0	0.60560E-06	480167.4	3743901.2	439.0	3.49	4.00
3.25 YES							
L0002513	0	0.60560E-06	480167.5	3743892.7	439.0	3.49	4.00
3.25 YES							
L0002514	0	0.60560E-06	480167.6	3743884.1	439.0	3.49	4.00
3.25 YES							
L0002515	0	0.60560E-06	480167.7	3743875.5	439.0	3.49	4.00
3.25 YES							
L0002516	0	0.60560E-06	480167.8	3743866.9	439.0	3.49	4.00
3.25 YES							
L0002517	0	0.60560E-06	480167.9	3743858.3	439.0	3.49	4.00
3.25 YES							
L0002518	0	0.60560E-06	480168.1	3743849.7	439.0	3.49	4.00
3.25 YES							
L0002519	0	0.60560E-06	480168.2	3743841.1	439.0	3.49	4.00
3.25 YES							
L0002520	0	0.60560E-06	480168.3	3743832.5	439.0	3.49	4.00
3.25 YES							
L0002521	0	0.60560E-06	480168.4	3743823.9	439.0	3.49	4.00
3.25 YES							
L0002522	0	0.60560E-06	480168.5	3743815.4	439.0	3.49	4.00
3.25 YES							
L0002523	0	0.60560E-06	480168.6	3743806.8	439.0	3.49	4.00
3.25 YES							
L0002524	0	0.60560E-06	480168.7	3743798.2	439.0	3.49	4.00
3.25 YES							
L0002525	0	0.96180E-06	480010.6	3743635.9	439.0	3.49	4.00
3.25 YES							
L0002526	0	0.96180E-06	480019.2	3743635.9	439.0	3.49	4.00
3.25 YES							
L0002527	0	0.96180E-06	480027.8	3743635.9	439.0	3.49	4.00
3.25 YES							
L0002528	0	0.96180E-06	480036.4	3743635.8	439.0	3.49	4.00
3.25 YES							
L0002529	0	0.96180E-06	480045.0	3743635.8	439.0	3.49	4.00
3.25 YES							
L0002530	0	0.96180E-06	480053.6	3743635.8	439.0	3.49	4.00
3.25 YES							
L0002531	0	0.96180E-06	480062.2	3743635.7	439.0	3.49	4.00
3.25 YES							
L0002532	0	0.96180E-06	480070.8	3743635.7	439.0	3.49	4.00
3.25 YES							
L0002533	0	0.96180E-06	480079.4	3743635.7	439.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002534	0	0.96180E-06	480087.9	3743635.7	439.0	3.49	4.00
3.25	YES						
L0002535	0	0.96180E-06	480096.5	3743635.6	439.0	3.49	4.00
3.25	YES						
L0002536	0	0.96180E-06	480105.1	3743635.6	439.0	3.49	4.00
3.25	YES						
L0002537	0	0.96180E-06	480113.7	3743635.6	439.0	3.49	4.00
3.25	YES						

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 4

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0002538	0	0.96180E-06	480122.3	3743635.5	439.0	3.49	4.00
3.25	YES						
L0002539	0	0.96180E-06	480130.9	3743635.5	439.0	3.49	4.00
3.25	YES						
L0002540	0	0.96180E-06	480139.5	3743635.5	439.0	3.49	4.00
3.25	YES						
L0002541	0	0.96180E-06	480148.1	3743635.4	439.0	3.49	4.00
3.25	YES						
L0002542	0	0.96180E-06	480156.7	3743635.4	439.0	3.49	4.00
3.25	YES						
L0002543	0	0.96180E-06	480165.3	3743635.4	438.8	3.49	4.00
3.25	YES						
L0002544	0	0.96180E-06	480173.8	3743635.4	438.5	3.49	4.00
3.25	YES						
L0002545	0	0.96180E-06	480182.4	3743635.3	438.2	3.49	4.00
3.25	YES						
L0002546	0	0.96180E-06	480191.0	3743635.3	438.0	3.49	4.00
3.25	YES						
L0002547	0	0.96180E-06	480199.6	3743635.3	438.0	3.49	4.00
3.25	YES						

11558 Rider 2 and 4 (10-19)

L0002548	0	0.96180E-06	480208.2	3743635.2	438.0	3.49	4.00
3.25 YES							
L0002549	0	0.96180E-06	480216.8	3743635.2	438.0	3.49	4.00
3.25 YES							
L0002550	0	0.96180E-06	480225.4	3743635.2	438.0	3.49	4.00
3.25 YES							
L0002551	0	0.96180E-06	480234.0	3743635.2	438.0	3.49	4.00
3.25 YES							
L0002552	0	0.96180E-06	480242.6	3743635.1	438.0	3.49	4.00
3.25 YES							
L0002553	0	0.96180E-06	480251.2	3743635.1	438.0	3.49	4.00
3.25 YES							
L0002554	0	0.96180E-06	480259.7	3743635.1	438.0	3.49	4.00
3.25 YES							
L0002555	0	0.96180E-06	480268.3	3743635.0	438.0	3.49	4.00
3.25 YES							
L0002556	0	0.96180E-06	480276.9	3743635.0	438.0	3.49	4.00
3.25 YES							
L0002557	0	0.96180E-06	480285.5	3743635.0	438.1	3.49	4.00
3.25 YES							
L0002558	0	0.96180E-06	480294.1	3743634.9	438.1	3.49	4.00
3.25 YES							
L0002559	0	0.96180E-06	480010.2	3743426.0	439.0	3.49	4.00
3.25 YES							
L0002560	0	0.96180E-06	480018.8	3743425.9	439.0	3.49	4.00
3.25 YES							
L0002561	0	0.96180E-06	480027.3	3743425.9	439.0	3.49	4.00
3.25 YES							
L0002562	0	0.96180E-06	480035.9	3743425.9	439.0	3.49	4.00
3.25 YES							
L0002563	0	0.96180E-06	480044.5	3743425.9	439.0	3.49	4.00
3.25 YES							
L0002564	0	0.96180E-06	480053.1	3743425.8	439.0	3.49	4.00
3.25 YES							
L0002565	0	0.96180E-06	480061.7	3743425.8	439.0	3.49	4.00
3.25 YES							
L0002566	0	0.96180E-06	480070.3	3743425.8	439.0	3.49	4.00
3.25 YES							
L0002567	0	0.96180E-06	480078.9	3743425.7	439.0	3.49	4.00
3.25 YES							
L0002568	0	0.96180E-06	480087.5	3743425.7	439.0	3.49	4.00
3.25 YES							
L0002569	0	0.96180E-06	480096.1	3743425.7	439.0	3.49	4.00
3.25 YES							
L0002570	0	0.96180E-06	480104.7	3743425.6	439.0	3.49	4.00
3.25 YES							
L0002571	0	0.96180E-06	480113.2	3743425.6	439.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002572	0	0.96180E-06	480121.8	3743425.6	439.0	3.49	4.00
3.25	YES						
L0002573	0	0.96180E-06	480130.4	3743425.6	439.0	3.49	4.00
3.25	YES						
L0002574	0	0.96180E-06	480139.0	3743425.5	439.0	3.49	4.00
3.25	YES						
L0002575	0	0.96180E-06	480147.6	3743425.5	439.0	3.49	4.00
3.25	YES						
L0002576	0	0.96180E-06	480156.2	3743425.5	439.0	3.49	4.00
3.25	YES						
L0002577	0	0.96180E-06	480164.8	3743425.4	439.0	3.49	4.00
3.25	YES						

^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 5

*** MODELOPTs: RegDEFAULT 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		
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY						

L0002578	0	0.96180E-06	480173.4	3743425.4	439.0	3.49	4.00
3.25	YES						
L0002579	0	0.96180E-06	480182.0	3743425.4	439.0	3.49	4.00
3.25	YES						
L0002580	0	0.96180E-06	480190.6	3743425.3	439.0	3.49	4.00
3.25	YES						
L0002581	0	0.96180E-06	480199.1	3743425.3	438.7	3.49	4.00
3.25	YES						
L0002582	0	0.96180E-06	480207.7	3743425.3	438.4	3.49	4.00
3.25	YES						
L0002583	0	0.96180E-06	480216.3	3743425.3	438.1	3.49	4.00
3.25	YES						
L0002584	0	0.96180E-06	480224.9	3743425.2	438.0	3.49	4.00
3.25	YES						
L0002585	0	0.96180E-06	480233.5	3743425.2	438.0	3.49	4.00
3.25	YES						

11558 Rider 2 and 4 (10-19)

L0002586	0	0.96180E-06	480242.1	3743425.2	438.0	3.49	4.00
3.25 YES							
L0002587	0	0.96180E-06	480250.7	3743425.1	438.0	3.49	4.00
3.25 YES							
L0002588	0	0.96180E-06	480259.3	3743425.1	438.0	3.49	4.00
3.25 YES							
L0002589	0	0.96180E-06	480267.9	3743425.1	438.0	3.49	4.00
3.25 YES							
L0002590	0	0.96180E-06	480276.5	3743425.0	438.0	3.49	4.00
3.25 YES							
L0002591	0	0.96180E-06	480285.0	3743425.0	438.0	3.49	4.00
3.25 YES							
L0002592	0	0.96180E-06	480293.6	3743425.0	438.0	3.49	4.00
3.25 YES							
L0002593	0	0.15110E-05	479997.1	3744122.5	440.0	3.49	4.00
3.25 YES							
L0002594	0	0.15110E-05	480005.7	3744122.6	440.0	3.49	4.00
3.25 YES							
L0002595	0	0.15110E-05	480014.3	3744122.7	440.0	3.49	4.00
3.25 YES							
L0002596	0	0.15110E-05	480022.9	3744122.7	440.0	3.49	4.00
3.25 YES							
L0002597	0	0.15110E-05	480031.5	3744122.8	440.0	3.49	4.00
3.25 YES							
L0002598	0	0.15110E-05	480040.1	3744122.9	440.0	3.49	4.00
3.25 YES							
L0002599	0	0.15110E-05	480048.7	3744123.0	440.0	3.49	4.00
3.25 YES							
L0002600	0	0.15110E-05	480057.3	3744123.1	440.0	3.49	4.00
3.25 YES							
L0002601	0	0.15110E-05	480065.8	3744123.2	440.0	3.49	4.00
3.25 YES							
L0002602	0	0.15110E-05	480074.4	3744123.3	440.0	3.49	4.00
3.25 YES							
L0002603	0	0.15110E-05	480083.0	3744123.4	440.0	3.49	4.00
3.25 YES							
L0002604	0	0.15110E-05	480091.6	3744123.5	440.0	3.49	4.00
3.25 YES							
L0002605	0	0.15110E-05	480100.2	3744123.6	440.0	3.49	4.00
3.25 YES							
L0002606	0	0.15110E-05	480108.8	3744123.7	439.9	3.49	4.00
3.25 YES							
L0002607	0	0.15110E-05	480117.4	3744123.8	439.8	3.49	4.00
3.25 YES							
L0002608	0	0.15110E-05	480126.0	3744123.9	439.7	3.49	4.00
3.25 YES							
L0002609	0	0.15110E-05	480134.6	3744124.0	439.5	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002610	0	0.15110E-05	480143.1	3744124.1	439.3	3.49	4.00
3.25 YES							
L0002611	0	0.15110E-05	480151.7	3744124.2	439.2	3.49	4.00
3.25 YES							
L0002612	0	0.15110E-05	480160.3	3744124.3	439.0	3.49	4.00
3.25 YES							
L0002613	0	0.15110E-05	480168.9	3744124.4	439.0	3.49	4.00
3.25 YES							
L0002614	0	0.15110E-05	480177.5	3744124.5	439.0	3.49	4.00
3.25 YES							
L0002615	0	0.15110E-05	480182.4	3744119.0	439.0	3.49	4.00
3.25 YES							
L0002616	0	0.15110E-05	480183.5	3744110.5	439.0	3.49	4.00
3.25 YES							
L0002617	0	0.15110E-05	480183.7	3744102.0	439.0	3.49	4.00
3.25 YES							

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 6

*** 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						

L0002618	0	0.15110E-05	480183.7	3744093.4	439.0	3.49	4.00
3.25 YES							
L0002619	0	0.15110E-05	480183.8	3744084.8	439.0	3.49	4.00
3.25 YES							
L0002620	0	0.15110E-05	480183.8	3744076.2	439.0	3.49	4.00
3.25 YES							
L0002621	0	0.15110E-05	480183.9	3744067.6	439.0	3.49	4.00
3.25 YES							
L0002622	0	0.15110E-05	480183.9	3744059.0	439.0	3.49	4.00
3.25 YES							
L0002623	0	0.15110E-05	480184.0	3744050.4	439.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002624	0	0.15110E-05	480184.0	3744041.8	439.0	3.49	4.00
3.25 YES							
L0002625	0	0.15110E-05	480184.1	3744033.2	439.0	3.49	4.00
3.25 YES							
L0002626	0	0.15110E-05	480184.1	3744024.7	439.0	3.49	4.00
3.25 YES							
L0002627	0	0.15110E-05	480184.1	3744016.1	439.0	3.49	4.00
3.25 YES							
L0002628	0	0.15110E-05	480184.2	3744007.5	439.0	3.49	4.00
3.25 YES							
L0002629	0	0.15110E-05	480184.2	3743998.9	439.0	3.49	4.00
3.25 YES							
L0002630	0	0.15110E-05	480184.3	3743990.3	439.0	3.49	4.00
3.25 YES							
L0002631	0	0.15110E-05	480184.3	3743981.7	439.0	3.49	4.00
3.25 YES							
L0002632	0	0.15110E-05	480184.4	3743973.1	439.0	3.49	4.00
3.25 YES							
L0002633	0	0.15110E-05	480184.4	3743964.5	439.0	3.49	4.00
3.25 YES							
L0002634	0	0.15110E-05	480184.5	3743955.9	439.0	3.49	4.00
3.25 YES							
L0002635	0	0.15110E-05	480184.5	3743947.3	439.0	3.49	4.00
3.25 YES							
L0002636	0	0.15110E-05	480184.6	3743938.8	439.0	3.49	4.00
3.25 YES							
L0002637	0	0.15110E-05	480184.6	3743930.2	439.0	3.49	4.00
3.25 YES							
L0002638	0	0.15110E-05	480184.7	3743921.6	439.0	3.49	4.00
3.25 YES							
L0002639	0	0.15110E-05	480184.7	3743913.0	439.0	3.49	4.00
3.25 YES							
L0002640	0	0.15110E-05	480184.8	3743904.4	439.0	3.49	4.00
3.25 YES							
L0002641	0	0.15110E-05	480184.8	3743895.8	439.0	3.49	4.00
3.25 YES							
L0002642	0	0.15110E-05	480184.9	3743887.2	439.0	3.49	4.00
3.25 YES							
L0002643	0	0.15110E-05	480184.9	3743878.6	439.0	3.49	4.00
3.25 YES							
L0002644	0	0.15110E-05	480185.0	3743870.0	439.0	3.49	4.00
3.25 YES							
L0002645	0	0.15110E-05	480185.0	3743861.5	439.0	3.49	4.00
3.25 YES							
L0002646	0	0.15110E-05	480185.1	3743852.9	439.0	3.49	4.00
3.25 YES							
L0002647	0	0.15110E-05	480185.1	3743844.3	439.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002648	0	0.15110E-05	480185.2	3743835.7	439.0	3.49	4.00
3.25 YES							
L0002649	0	0.15110E-05	480185.2	3743827.1	439.0	3.49	4.00
3.25 YES							
L0002650	0	0.15110E-05	480185.2	3743818.5	439.0	3.49	4.00
3.25 YES							
L0002651	0	0.15110E-05	480185.3	3743809.9	439.0	3.49	4.00
3.25 YES							
L0002652	0	0.15110E-05	480185.3	3743801.3	439.0	3.49	4.00
3.25 YES							
L0002653	0	0.15110E-05	480185.4	3743792.7	439.0	3.49	4.00
3.25 YES							
L0002654	0	0.15110E-05	480185.4	3743784.1	439.0	3.49	4.00
3.25 YES							
L0002655	0	0.15110E-05	480186.3	3743775.6	439.0	3.49	4.00
3.25 YES							
L0002656	0	0.15110E-05	480181.2	3743772.5	439.0	3.49	4.00
3.25 YES							
L0002657	0	0.15110E-05	480172.6	3743772.2	439.0	3.49	4.00
3.25 YES							

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 7

*** 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	SCALAR	VARY		X	Y		
(METERS)		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)

L0002658	0	0.15110E-05	480164.0	3743772.0	439.0	3.49	4.00
3.25 YES							
L0002659	0	0.15110E-05	480155.4	3743771.6	439.0	3.49	4.00
3.25 YES							
L0002660	0	0.15110E-05	480146.9	3743771.0	439.0	3.49	4.00
3.25 YES							
L0002661	0	0.15110E-05	480138.4	3743769.5	439.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002662	0	0.15110E-05	480130.0	3743767.9	439.0	3.49	4.00
3.25 YES							
L0002663	0	0.15110E-05	480121.6	3743765.8	439.0	3.49	4.00
3.25 YES							
L0002664	0	0.15110E-05	480113.6	3743762.9	439.0	3.49	4.00
3.25 YES							
L0002665	0	0.15110E-05	480105.5	3743759.9	439.0	3.49	4.00
3.25 YES							
L0002666	0	0.15110E-05	480097.5	3743756.9	439.0	3.49	4.00
3.25 YES							
L0002667	0	0.15110E-05	480089.1	3743755.2	439.0	3.49	4.00
3.25 YES							
L0002668	0	0.15110E-05	480080.6	3743754.8	439.0	3.49	4.00
3.25 YES							
L0002669	0	0.15110E-05	480072.0	3743754.4	439.0	3.49	4.00
3.25 YES							
L0002670	0	0.15110E-05	480063.4	3743753.9	439.0	3.49	4.00
3.25 YES							
L0002671	0	0.15110E-05	480054.8	3743753.5	439.0	3.49	4.00
3.25 YES							
L0002672	0	0.15110E-05	480046.2	3743753.1	439.0	3.49	4.00
3.25 YES							
L0002673	0	0.15110E-05	480037.7	3743752.6	439.0	3.49	4.00
3.25 YES							
L0002674	0	0.15110E-05	480029.1	3743752.8	439.0	3.49	4.00
3.25 YES							
L0002675	0	0.15110E-05	480020.5	3743753.0	439.0	3.49	4.00
3.25 YES							
L0002676	0	0.15110E-05	480011.9	3743753.3	439.0	3.49	4.00
3.25 YES							
L0002677	0	0.15110E-05	480003.3	3743753.5	439.0	3.49	4.00
3.25 YES							
L0002678	0	0.15110E-05	479994.7	3743753.7	439.0	3.49	4.00
3.25 YES							
L0002679	0	0.15110E-05	479986.1	3743754.0	439.0	3.49	4.00
3.25 YES							
L0002680	0	0.15110E-05	479981.5	3743758.0	439.0	3.49	4.00
3.25 YES							
L0002681	0	0.15110E-05	479981.5	3743766.6	439.0	3.49	4.00
3.25 YES							
L0002682	0	0.15110E-05	479981.5	3743775.2	439.0	3.49	4.00
3.25 YES							
L0002683	0	0.15110E-05	479981.6	3743783.8	439.0	3.49	4.00
3.25 YES							
L0002684	0	0.15110E-05	479981.6	3743792.4	439.0	3.49	4.00
3.25 YES							
L0002685	0	0.15110E-05	479981.6	3743801.0	439.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002686	0	0.15110E-05	479981.7	3743809.5	439.1	3.49	4.00
3.25 YES							
L0002687	0	0.15110E-05	479981.7	3743818.1	439.4	3.49	4.00
3.25 YES							
L0002688	0	0.15110E-05	479981.7	3743826.7	439.7	3.49	4.00
3.25 YES							
L0002689	0	0.15110E-05	479981.8	3743835.3	439.9	3.49	4.00
3.25 YES							
L0002690	0	0.15110E-05	479981.8	3743843.9	439.9	3.49	4.00
3.25 YES							
L0002691	0	0.15110E-05	479981.8	3743852.5	439.9	3.49	4.00
3.25 YES							
L0002692	0	0.15110E-05	479981.9	3743861.1	439.9	3.49	4.00
3.25 YES							
L0002693	0	0.15110E-05	479981.9	3743869.7	439.9	3.49	4.00
3.25 YES							
L0002694	0	0.15110E-05	479981.9	3743878.3	440.0	3.49	4.00
3.25 YES							
L0002695	0	0.15110E-05	479982.0	3743886.9	440.0	3.49	4.00
3.25 YES							
L0002696	0	0.15110E-05	479982.0	3743895.4	440.0	3.49	4.00
3.25 YES							
L0002697	0	0.15110E-05	479982.0	3743904.0	440.0	3.49	4.00
3.25 YES							

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 8

*** 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	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)

L0002698	0	0.15110E-05	479982.1	3743912.6	440.0	3.49	4.00
3.25 YES							
L0002699	0	0.15110E-05	479982.1	3743921.2	440.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002700	0	0.15110E-05	479982.2	3743929.8	440.0	3.49	4.00
3.25 YES							
L0002701	0	0.15110E-05	479982.2	3743938.4	440.0	3.49	4.00
3.25 YES							
L0002702	0	0.15110E-05	479982.2	3743947.0	440.0	3.49	4.00
3.25 YES							
L0002703	0	0.15110E-05	479982.3	3743955.6	440.0	3.49	4.00
3.25 YES							
L0002704	0	0.15110E-05	479982.3	3743964.2	440.0	3.49	4.00
3.25 YES							
L0002705	0	0.15110E-05	479982.3	3743972.8	440.0	3.49	4.00
3.25 YES							
L0002706	0	0.15110E-05	479982.4	3743981.3	440.0	3.49	4.00
3.25 YES							
L0002707	0	0.15110E-05	479982.4	3743989.9	440.0	3.49	4.00
3.25 YES							
L0002708	0	0.15110E-05	479982.4	3743998.5	440.0	3.49	4.00
3.25 YES							
L0002709	0	0.15110E-05	479982.5	3744007.1	440.0	3.49	4.00
3.25 YES							
L0002710	0	0.15110E-05	479982.5	3744015.7	440.0	3.49	4.00
3.25 YES							
L0002711	0	0.15110E-05	479982.5	3744024.3	440.0	3.49	4.00
3.25 YES							
L0002712	0	0.15110E-05	479982.6	3744032.9	440.0	3.49	4.00
3.25 YES							
L0002713	0	0.15110E-05	479982.6	3744041.5	440.0	3.49	4.00
3.25 YES							
L0002714	0	0.15110E-05	479982.6	3744050.1	440.0	3.49	4.00
3.25 YES							
L0002715	0	0.15110E-05	479982.7	3744058.7	440.0	3.49	4.00
3.25 YES							
L0002716	0	0.15110E-05	479982.7	3744067.2	440.0	3.49	4.00
3.25 YES							
L0002717	0	0.15110E-05	479982.7	3744075.8	440.0	3.49	4.00
3.25 YES							
L0002718	0	0.15110E-05	479982.6	3744084.4	440.0	3.49	4.00
3.25 YES							
L0002719	0	0.15110E-05	479982.5	3744093.0	440.0	3.49	4.00
3.25 YES							
L0002720	0	0.15110E-05	479982.5	3744101.6	440.0	3.49	4.00
3.25 YES							
L0002721	0	0.15110E-05	479984.9	3744109.7	440.0	3.49	4.00
3.25 YES							
L0002722	0	0.15110E-05	479988.4	3744117.5	440.0	3.49	4.00
3.25 YES							
L0002723	0	0.22640E-05	480365.6	3743394.5	438.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002724	0	0.22640E-05	480365.5	3743403.1	438.0	3.49	4.00
3.25	YES						
L0002725	0	0.22640E-05	480365.4	3743411.7	438.0	3.49	4.00
3.25	YES						
L0002726	0	0.22640E-05	480365.3	3743420.3	438.0	3.49	4.00
3.25	YES						
L0002727	0	0.22640E-05	480365.2	3743428.8	438.0	3.49	4.00
3.25	YES						
L0002728	0	0.22640E-05	480365.1	3743437.4	438.0	3.49	4.00
3.25	YES						
L0002729	0	0.22640E-05	480365.0	3743446.0	438.0	3.49	4.00
3.25	YES						
L0002730	0	0.22640E-05	480365.0	3743454.6	438.0	3.49	4.00
3.25	YES						
L0002731	0	0.22640E-05	480364.9	3743463.2	438.0	3.49	4.00
3.25	YES						
L0002732	0	0.22640E-05	480364.8	3743471.8	438.0	3.49	4.00
3.25	YES						
L0002733	0	0.22640E-05	480364.7	3743480.4	438.0	3.49	4.00
3.25	YES						
L0002734	0	0.22640E-05	480364.6	3743489.0	438.0	3.49	4.00
3.25	YES						
L0002735	0	0.22640E-05	480364.5	3743497.6	438.0	3.49	4.00
3.25	YES						
L0002736	0	0.22640E-05	480364.4	3743506.1	438.0	3.49	4.00
3.25	YES						
L0002737	0	0.22640E-05	480364.3	3743514.7	438.0	3.49	4.00
3.25	YES						

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 9

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

11558 Rider 2 and 4 (10-19)

L0002738	0	0.22640E-05	480364.3	3743523.3	438.0	3.49	4.00
3.25 YES							
L0002739	0	0.22640E-05	480364.2	3743531.9	438.0	3.49	4.00
3.25 YES							
L0002740	0	0.22640E-05	480364.1	3743540.5	438.0	3.49	4.00
3.25 YES							
L0002741	0	0.22640E-05	480361.6	3743548.4	438.0	3.49	4.00
3.25 YES							
L0002742	0	0.22640E-05	480357.3	3743555.9	438.0	3.49	4.00
3.25 YES							
L0002743	0	0.22640E-05	480353.0	3743563.3	438.0	3.49	4.00
3.25 YES							
L0002744	0	0.22640E-05	480348.6	3743570.7	438.0	3.49	4.00
3.25 YES							
L0002745	0	0.22640E-05	480344.3	3743578.1	438.1	3.49	4.00
3.25 YES							
L0002746	0	0.22640E-05	480340.0	3743585.6	438.0	3.49	4.00
3.25 YES							
L0002747	0	0.22640E-05	480335.7	3743593.0	438.0	3.49	4.00
3.25 YES							
L0002748	0	0.22640E-05	480331.4	3743600.4	438.1	3.49	4.00
3.25 YES							
L0002749	0	0.22640E-05	480327.1	3743607.9	438.2	3.49	4.00
3.25 YES							
L0002750	0	0.22640E-05	480322.8	3743615.3	438.3	3.49	4.00
3.25 YES							
L0002751	0	0.22640E-05	480318.4	3743622.7	438.2	3.49	4.00
3.25 YES							
L0002752	0	0.22640E-05	480314.1	3743630.1	438.2	3.49	4.00
3.25 YES							
L0002753	0	0.22640E-05	480309.8	3743637.6	438.4	3.49	4.00
3.25 YES							
L0002754	0	0.22640E-05	480305.5	3743645.0	438.5	3.49	4.00
3.25 YES							
L0002755	0	0.22640E-05	480301.2	3743652.4	438.6	3.49	4.00
3.25 YES							
L0002756	0	0.22640E-05	480294.1	3743654.9	438.4	3.49	4.00
3.25 YES							
L0002757	0	0.22640E-05	480285.5	3743654.9	438.2	3.49	4.00
3.25 YES							
L0002758	0	0.22640E-05	480276.9	3743654.8	438.0	3.49	4.00
3.25 YES							
L0002759	0	0.22640E-05	480268.3	3743654.7	438.0	3.49	4.00
3.25 YES							
L0002760	0	0.22640E-05	480259.7	3743654.6	438.0	3.49	4.00
3.25 YES							
L0002761	0	0.22640E-05	480251.1	3743654.5	438.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002762	0	0.22640E-05	480242.5	3743654.4	438.0	3.49	4.00
3.25	YES						
L0002763	0	0.22640E-05	480233.9	3743654.3	438.0	3.49	4.00
3.25	YES						
L0002764	0	0.22640E-05	480225.4	3743654.2	438.0	3.49	4.00
3.25	YES						
L0002765	0	0.22640E-05	480216.8	3743654.1	438.0	3.49	4.00
3.25	YES						
L0002766	0	0.22640E-05	480208.2	3743654.0	438.0	3.49	4.00
3.25	YES						
L0002767	0	0.22640E-05	480199.6	3743654.0	438.0	3.49	4.00
3.25	YES						
L0002768	0	0.22640E-05	480191.0	3743653.9	438.0	3.49	4.00
3.25	YES						
L0002769	0	0.22640E-05	480182.4	3743653.8	438.2	3.49	4.00
3.25	YES						
L0002770	0	0.22640E-05	480173.8	3743653.7	438.5	3.49	4.00
3.25	YES						
L0002771	0	0.22640E-05	480165.2	3743653.6	438.8	3.49	4.00
3.25	YES						
L0002772	0	0.22640E-05	480156.6	3743653.5	439.0	3.49	4.00
3.25	YES						
L0002773	0	0.22640E-05	480148.1	3743653.4	439.0	3.49	4.00
3.25	YES						
L0002774	0	0.22640E-05	480139.5	3743653.3	439.0	3.49	4.00
3.25	YES						
L0002775	0	0.22640E-05	480130.9	3743653.2	439.0	3.49	4.00
3.25	YES						
L0002776	0	0.22640E-05	480122.3	3743653.1	439.0	3.49	4.00
3.25	YES						
L0002777	0	0.22640E-05	480113.7	3743653.1	439.0	3.49	4.00
3.25	YES						

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19

*** AERMET - VERSION 16216 *** ***

11:15:28

PAGE 10

*** 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)
		CATS.			(METERS)	(METERS)	(METERS)	(METERS)

11558 Rider 2 and 4 (10-19)

(METERS)

BY

L0002778	0	0.22640E-05	480105.1	3743653.0	439.0	3.49	4.00
3.25 YES							
L0002779	0	0.22640E-05	480096.5	3743652.9	439.0	3.49	4.00
3.25 YES							
L0002780	0	0.22640E-05	480087.9	3743652.8	439.0	3.49	4.00
3.25 YES							
L0002781	0	0.22640E-05	480079.3	3743652.7	439.0	3.49	4.00
3.25 YES							
L0002782	0	0.22640E-05	480070.7	3743652.6	439.0	3.49	4.00
3.25 YES							
L0002783	0	0.22640E-05	480062.2	3743652.5	439.0	3.49	4.00
3.25 YES							
L0002784	0	0.22640E-05	480053.6	3743652.4	439.0	3.49	4.00
3.25 YES							
L0002785	0	0.22640E-05	480045.0	3743652.3	439.0	3.49	4.00
3.25 YES							
L0002786	0	0.22640E-05	480036.4	3743652.2	439.0	3.49	4.00
3.25 YES							
L0002787	0	0.22640E-05	480027.8	3743652.2	439.0	3.49	4.00
3.25 YES							
L0002788	0	0.22640E-05	480019.2	3743652.1	439.0	3.49	4.00
3.25 YES							
L0002789	0	0.22640E-05	480010.6	3743652.0	439.0	3.49	4.00
3.25 YES							
L0002790	0	0.22640E-05	480002.0	3743651.9	439.0	3.49	4.00
3.25 YES							
L0002791	0	0.22640E-05	479993.4	3743651.6	439.0	3.49	4.00
3.25 YES							
L0002792	0	0.22640E-05	479984.9	3743651.2	439.0	3.49	4.00
3.25 YES							
L0002793	0	0.22640E-05	479976.3	3743650.8	439.0	3.49	4.00
3.25 YES							
L0002794	0	0.22640E-05	479967.7	3743650.4	439.0	3.49	4.00
3.25 YES							
L0002795	0	0.22640E-05	479961.8	3743646.5	439.0	3.49	4.00
3.25 YES							
L0002796	0	0.22640E-05	479961.7	3743637.9	439.0	3.49	4.00
3.25 YES							
L0002797	0	0.22640E-05	479961.7	3743629.3	439.0	3.49	4.00
3.25 YES							
L0002798	0	0.22640E-05	479961.6	3743620.7	439.0	3.49	4.00
3.25 YES							
L0002799	0	0.22640E-05	479961.5	3743612.1	439.0	3.49	4.00
3.25 YES							

11558 Rider 2 and 4 (10-19)

INIT. SOURCE SZ	URBAN SOURCE ID	EMISSION RATE PART. SCALAR	(GRAMS/SEC) VARY	X	Y	ELEV.	HEIGHT	SY
		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002818		0	0.22640E-05	479960.3	3743448.9	439.0	3.49	4.00
3.25	YES							
L0002819		0	0.22640E-05	479960.2	3743440.3	439.0	3.49	4.00
3.25	YES							
L0002820		0	0.22640E-05	479960.2	3743431.7	439.0	3.49	4.00
3.25	YES							
L0002821		0	0.22640E-05	479960.1	3743423.1	439.0	3.49	4.00
3.25	YES							
L0002822		0	0.22640E-05	479960.0	3743414.6	439.0	3.49	4.00
3.25	YES							
L0002823		0	0.22640E-05	479960.0	3743406.0	439.0	3.49	4.00
3.25	YES							
L0002824		0	0.22640E-05	479968.3	3743405.7	439.0	3.49	4.00
3.25	YES							
L0002825		0	0.22640E-05	479976.9	3743405.6	439.0	3.49	4.00
3.25	YES							
L0002826		0	0.22640E-05	479985.5	3743405.6	439.0	3.49	4.00
3.25	YES							
L0002827		0	0.22640E-05	479994.1	3743405.5	439.0	3.49	4.00
3.25	YES							
L0002828		0	0.22640E-05	480002.7	3743405.5	439.0	3.49	4.00
3.25	YES							
L0002829		0	0.22640E-05	480011.3	3743405.4	439.0	3.49	4.00
3.25	YES							
L0002830		0	0.22640E-05	480019.9	3743405.4	439.0	3.49	4.00
3.25	YES							
L0002831		0	0.22640E-05	480028.4	3743405.3	439.0	3.49	4.00
3.25	YES							
L0002832		0	0.22640E-05	480037.0	3743405.3	439.0	3.49	4.00
3.25	YES							
L0002833		0	0.22640E-05	480045.6	3743405.2	439.0	3.49	4.00
3.25	YES							
L0002834		0	0.22640E-05	480054.2	3743405.2	439.0	3.49	4.00
3.25	YES							
L0002835		0	0.22640E-05	480062.8	3743405.1	439.0	3.49	4.00
3.25	YES							
L0002836		0	0.22640E-05	480071.4	3743405.1	439.0	3.49	4.00
3.25	YES							
L0002837		0	0.22640E-05	480080.0	3743405.0	439.0	3.49	4.00
3.25	YES							

11558 Rider 2 and 4 (10-19)

L0002838	0	0.22640E-05	480088.6	3743405.0	439.0	3.49	4.00
3.25 YES							
L0002839	0	0.22640E-05	480097.2	3743404.9	439.0	3.49	4.00
3.25 YES							
L0002840	0	0.22640E-05	480105.8	3743404.9	439.0	3.49	4.00
3.25 YES							
L0002841	0	0.22640E-05	480114.3	3743404.8	439.0	3.49	4.00
3.25 YES							
L0002842	0	0.22640E-05	480122.9	3743404.8	439.0	3.49	4.00
3.25 YES							
L0002843	0	0.22640E-05	480131.5	3743404.7	439.0	3.49	4.00
3.25 YES							
L0002844	0	0.22640E-05	480140.1	3743404.7	439.0	3.49	4.00
3.25 YES							
L0002845	0	0.22640E-05	480148.7	3743404.6	439.0	3.49	4.00
3.25 YES							
L0002846	0	0.22640E-05	480157.3	3743404.6	439.0	3.49	4.00
3.25 YES							
L0002847	0	0.22640E-05	480165.9	3743404.5	439.0	3.49	4.00
3.25 YES							
L0002848	0	0.22640E-05	480174.5	3743404.5	439.0	3.49	4.00
3.25 YES							
L0002849	0	0.22640E-05	480183.1	3743404.4	439.0	3.49	4.00
3.25 YES							
L0002850	0	0.22640E-05	480191.6	3743404.4	438.9	3.49	4.00
3.25 YES							
L0002851	0	0.22640E-05	480200.2	3743404.3	438.7	3.49	4.00
3.25 YES							
L0002852	0	0.22640E-05	480208.8	3743404.2	438.4	3.49	4.00
3.25 YES							
L0002853	0	0.22640E-05	480217.4	3743404.2	438.1	3.49	4.00
3.25 YES							
L0002854	0	0.22640E-05	480226.0	3743404.1	438.0	3.49	4.00
3.25 YES							
L0002855	0	0.22640E-05	480234.6	3743404.1	438.0	3.49	4.00
3.25 YES							
L0002856	0	0.22640E-05	480243.2	3743404.0	438.0	3.49	4.00
3.25 YES							
L0002857	0	0.22640E-05	480251.8	3743404.0	438.0	3.49	4.00
3.25 YES							

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 12

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

11558 Rider 2 and 4 (10-19)

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE		EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)
ID		SCALAR	VARY					
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0002858		0	0.22640E-05	480260.4	3743403.9	438.0	3.49	4.00
3.25	YES							
L0002859		0	0.22640E-05	480269.0	3743403.9	438.0	3.49	4.00
3.25	YES							
L0002860		0	0.22640E-05	480277.5	3743403.8	438.0	3.49	4.00
3.25	YES							
L0002861		0	0.22640E-05	480286.1	3743403.8	438.0	3.49	4.00
3.25	YES							
L0002862		0	0.22640E-05	480294.7	3743403.7	438.0	3.49	4.00
3.25	YES							
L0002863		0	0.22640E-05	480303.3	3743403.7	438.0	3.49	4.00
3.25	YES							
L0002864		0	0.22640E-05	480311.9	3743403.6	438.0	3.49	4.00
3.25	YES							
L0002865		0	0.22640E-05	480320.5	3743403.6	438.0	3.49	4.00
3.25	YES							
L0002866		0	0.22640E-05	480329.1	3743403.5	438.0	3.49	4.00
3.25	YES							
L0002867		0	0.22640E-05	480337.7	3743403.5	438.0	3.49	4.00
3.25	YES							
L0002868		0	0.22640E-05	480346.3	3743403.4	438.0	3.49	4.00
3.25	YES							
L0002869		0	0.22640E-05	480354.9	3743403.4	438.0	3.49	4.00
3.25	YES							
L0002870		0	0.39520E-05	479930.4	3744160.2	440.0	3.49	10.23
3.25	YES							
L0002871		0	0.39520E-05	479930.6	3744182.2	440.0	3.49	10.23
3.25	YES							
L0002872		0	0.39520E-05	479930.7	3744204.2	440.0	3.49	10.23
3.25	YES							
L0002873		0	0.39520E-05	479930.9	3744226.2	440.0	3.49	10.23
3.25	YES							
L0002874		0	0.39520E-05	479931.0	3744248.2	440.0	3.49	10.23
3.25	YES							
L0002875		0	0.39520E-05	479931.2	3744270.2	440.0	3.49	10.23
3.25	YES							

*** MODELOPTs: RegDEFAULT 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)
(METERS)								
L0002898		0	0.39520E-05	479933.9	3744776.2	441.0	3.49	10.23
3.25	YES							
L0002899		0	0.39520E-05	479934.0	3744798.2	441.0	3.49	10.23
3.25	YES							
L0002900		0	0.39520E-05	479934.0	3744820.2	441.0	3.49	10.23
3.25	YES							
L0002901		0	0.39520E-05	479934.1	3744842.2	441.0	3.49	10.23
3.25	YES							
L0002902		0	0.39520E-05	479934.2	3744864.2	441.0	3.49	10.23
3.25	YES							
L0002903		0	0.39520E-05	479934.3	3744886.2	441.0	3.49	10.23
3.25	YES							
L0002904		0	0.39520E-05	479934.3	3744908.2	441.0	3.49	10.23
3.25	YES							
L0002905		0	0.39520E-05	479934.4	3744930.2	441.0	3.49	10.23
3.25	YES							
L0002906		0	0.39520E-05	479934.5	3744952.2	441.0	3.49	10.23
3.25	YES							
L0002907		0	0.39520E-05	479934.5	3744974.2	441.0	3.49	10.23
3.25	YES							
L0002908		0	0.39520E-05	479934.6	3744996.2	441.0	3.49	10.23
3.25	YES							
L0002909		0	0.39520E-05	479934.7	3745018.2	441.0	3.49	10.23
3.25	YES							
L0002910		0	0.39520E-05	479934.8	3745040.2	441.0	3.49	10.23
3.25	YES							
L0002911		0	0.39520E-05	479934.8	3745062.2	441.0	3.49	10.23
3.25	YES							
L0002912		0	0.39520E-05	479934.9	3745084.2	441.0	3.49	10.23
3.25	YES							
L0002913		0	0.39520E-05	479935.0	3745106.2	441.2	3.49	10.23
3.25	YES							

11558 Rider 2 and 4 (10-19)

L0002914	0	0.39520E-05	479935.0	3745128.2	441.5	3.49	10.23
3.25 YES							
L0002915	0	0.39520E-05	479935.1	3745150.2	441.5	3.49	10.23
3.25 YES							
L0002916	0	0.39520E-05	479935.2	3745172.2	441.8	3.49	10.23
3.25 YES							
L0002917	0	0.39520E-05	479935.2	3745194.2	442.0	3.49	10.23
3.25 YES							
L0002918	0	0.39520E-05	479935.2	3745216.2	442.0	3.49	10.23
3.25 YES							
L0002919	0	0.39520E-05	479935.2	3745238.2	442.0	3.49	10.23
3.25 YES							
L0002920	0	0.39520E-05	479935.2	3745260.2	442.0	3.49	10.23
3.25 YES							
L0002921	0	0.39520E-05	479935.2	3745282.2	442.0	3.49	10.23
3.25 YES							
L0002922	0	0.39520E-05	479935.2	3745304.2	442.0	3.49	10.23
3.25 YES							
L0002923	0	0.39520E-05	479935.2	3745326.2	442.0	3.49	10.23
3.25 YES							
L0002924	0	0.39520E-05	479935.2	3745348.2	442.0	3.49	10.23
3.25 YES							
L0002925	0	0.39520E-05	479935.2	3745370.2	442.0	3.49	10.23
3.25 YES							
L0002926	0	0.39520E-05	479935.2	3745392.2	442.0	3.49	10.23
3.25 YES							
L0002927	0	0.39520E-05	479935.3	3745414.2	442.0	3.49	10.23
3.25 YES							
L0002928	0	0.39520E-05	479935.3	3745436.2	442.0	3.49	10.23
3.25 YES							
L0002929	0	0.39520E-05	479935.3	3745458.2	442.0	3.49	10.23
3.25 YES							
L0002930	0	0.39520E-05	479935.3	3745480.2	442.0	3.49	10.23
3.25 YES							
L0002931	0	0.39520E-05	479935.4	3745502.2	442.0	3.49	10.23
3.25 YES							
L0002932	0	0.39520E-05	479935.4	3745524.2	442.0	3.49	10.23
3.25 YES							
L0002933	0	0.39520E-05	479935.4	3745546.2	442.0	3.49	10.23
3.25 YES							
L0002934	0	0.39520E-05	479935.4	3745568.2	442.0	3.49	10.23
3.25 YES							
L0002935	0	0.39520E-05	479935.5	3745590.2	442.0	3.49	10.23
3.25 YES							
L0002936	0	0.39520E-05	479935.5	3745612.2	442.0	3.49	10.23
3.25 YES							
L0002937	0	0.39520E-05	479935.5	3745634.2	442.0	3.49	10.23
3.25 YES							

11558 Rider 2 and 4 (10-19)

*** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19

*** AERMET - VERSION 16216 *** 11:15:28

PAGE 14

*** 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
ID	SOURCE	SCALAR	VARY		ELEV.	HEIGHT	
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)
L0002938		0	0.39520E-05	479935.5	3745656.2	442.0	10.23
3.25	YES						
L0002939		0	0.39520E-05	479935.6	3745678.2	442.0	10.23
3.25	YES						
L0002940		0	0.39520E-05	479935.6	3745700.2	442.0	10.23
3.25	YES						
L0002941		0	0.39520E-05	479935.6	3745722.2	442.0	10.23
3.25	YES						
L0002942		0	0.39520E-05	479935.7	3745744.2	442.0	10.23
3.25	YES						
L0002943		0	0.39520E-05	479935.7	3745766.2	442.0	10.23
3.25	YES						
L0002944		0	0.39520E-05	479935.7	3745788.2	442.0	10.23
3.25	YES						
L0002945		0	0.39520E-05	479935.7	3745810.2	442.0	10.23
3.25	YES						
L0002946		0	0.39520E-05	479935.8	3745832.2	442.0	10.23
3.25	YES						
L0002947		0	0.39520E-05	479935.8	3745854.2	442.0	10.23
3.25	YES						
L0002948		0	0.39520E-05	479935.8	3745876.2	442.0	10.23
3.25	YES						
L0002949		0	0.39520E-05	479935.8	3745898.2	442.0	10.23
3.25	YES						
L0002950		0	0.39520E-05	479935.9	3745920.2	442.0	10.23
3.25	YES						
L0002951		0	0.39520E-05	479935.9	3745942.2	442.0	10.23
3.25	YES						

11558 Rider 2 and 4 (10-19)

L0002952	0	0.39520E-05	479935.9	3745964.2	442.0	3.49	10.23
3.25 YES							
L0002953	0	0.39520E-05	479936.0	3745986.2	442.0	3.49	10.23
3.25 YES							
L0002954	0	0.39520E-05	479936.0	3746008.2	442.0	3.49	10.23
3.25 YES							
L0002955	0	0.39520E-05	479936.0	3746030.2	442.0	3.49	10.23
3.25 YES							
L0002956	0	0.39520E-05	479936.0	3746052.2	442.0	3.49	10.23
3.25 YES							
L0002957	0	0.39520E-05	479936.1	3746074.2	442.0	3.49	10.23
3.25 YES							
L0002958	0	0.39520E-05	479936.1	3746096.2	442.0	3.49	10.23
3.25 YES							
L0002959	0	0.39520E-05	479936.1	3746118.2	442.0	3.49	10.23
3.25 YES							
L0002960	0	0.39520E-05	479936.2	3746140.2	442.4	3.49	10.23
3.25 YES							
L0002961	0	0.39520E-05	479936.5	3746162.2	442.7	3.49	10.23
3.25 YES							
L0002962	0	0.39520E-05	479936.8	3746184.2	443.0	3.49	10.23
3.25 YES							
L0002963	0	0.39520E-05	479937.0	3746206.2	443.0	3.49	10.23
3.25 YES							
L0002964	0	0.39520E-05	479937.3	3746228.2	443.0	3.49	10.23
3.25 YES							
L0002965	0	0.39520E-05	479937.6	3746250.2	443.0	3.49	10.23
3.25 YES							
L0002966	0	0.39520E-05	479937.9	3746272.2	443.0	3.49	10.23
3.25 YES							
L0002967	0	0.39520E-05	479938.2	3746294.2	443.0	3.49	10.23
3.25 YES							
L0002968	0	0.39520E-05	479938.5	3746316.2	443.0	3.49	10.23
3.25 YES							
L0002969	0	0.39520E-05	479938.8	3746338.2	443.4	3.49	10.23
3.25 YES							
L0002970	0	0.39520E-05	479934.8	3746355.9	444.0	3.49	10.23
3.25 YES							
L0002971	0	0.39520E-05	479912.8	3746355.8	444.0	3.49	10.23
3.25 YES							
L0002972	0	0.39520E-05	479890.8	3746355.8	444.0	3.49	10.23
3.25 YES							
L0002973	0	0.39520E-05	479868.8	3746355.7	444.0	3.49	10.23
3.25 YES							
L0002974	0	0.39520E-05	479846.8	3746355.7	444.0	3.49	10.23
3.25 YES							
L0002975	0	0.39520E-05	479824.8	3746355.6	444.0	3.49	10.23
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0002990	0	0.39520E-05	479494.8	3746354.8	444.0	3.49	10.23
3.25 YES							
L0002991	0	0.39520E-05	479472.8	3746354.8	444.0	3.49	10.23
3.25 YES							
L0002992	0	0.39520E-05	479450.8	3746354.7	444.0	3.49	10.23
3.25 YES							
L0002993	0	0.39520E-05	479428.8	3746354.6	444.0	3.49	10.23
3.25 YES							
L0002994	0	0.39520E-05	479406.8	3746354.6	444.1	3.49	10.23
3.25 YES							
L0002995	0	0.39520E-05	479384.8	3746354.5	444.8	3.49	10.23
3.25 YES							
L0002996	0	0.39520E-05	479362.8	3746354.5	444.9	3.49	10.23
3.25 YES							
L0002997	0	0.39520E-05	479340.8	3746354.4	445.0	3.49	10.23
3.25 YES							
L0002998	0	0.39520E-05	479318.8	3746354.4	445.0	3.49	10.23
3.25 YES							
L0002999	0	0.39520E-05	479296.8	3746354.3	445.0	3.49	10.23
3.25 YES							
L0003000	0	0.39520E-05	479274.8	3746354.3	445.0	3.49	10.23
3.25 YES							
L0003001	0	0.39520E-05	479252.8	3746354.2	445.0	3.49	10.23
3.25 YES							
L0003002	0	0.39520E-05	479230.8	3746354.2	445.0	3.49	10.23
3.25 YES							
L0003003	0	0.39520E-05	479208.8	3746354.1	445.0	3.49	10.23
3.25 YES							
L0003004	0	0.39520E-05	479186.8	3746354.1	445.0	3.49	10.23
3.25 YES							
L0003005	0	0.39520E-05	479164.8	3746354.0	445.0	3.49	10.23
3.25 YES							
L0003006	0	0.39520E-05	479142.8	3746354.1	445.0	3.49	10.23
3.25 YES							
L0003007	0	0.39520E-05	479120.8	3746354.2	445.0	3.49	10.23
3.25 YES							
L0003008	0	0.39520E-05	479098.8	3746354.4	445.0	3.49	10.23
3.25 YES							
L0003009	0	0.39520E-05	479076.8	3746354.5	445.0	3.49	10.23
3.25 YES							
L0003010	0	0.39520E-05	479054.8	3746354.6	445.0	3.49	10.23
3.25 YES							
L0003011	0	0.39520E-05	479032.8	3746354.8	445.0	3.49	10.23
3.25 YES							
L0003012	0	0.39520E-05	479010.8	3746354.9	445.0	3.49	10.23
3.25 YES							
L0003013	0	0.39520E-05	478988.8	3746355.0	445.0	3.49	10.23
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0003014	0	0.39520E-05	478966.8	3746355.2	445.0	3.49	10.23
3.25	YES						
L0003015	0	0.39520E-05	478944.8	3746355.3	445.0	3.49	10.23
3.25	YES						
L0003016	0	0.39520E-05	478922.8	3746355.5	445.0	3.49	10.23
3.25	YES						
L0003017	0	0.39520E-05	478900.8	3746355.6	445.0	3.49	10.23
3.25	YES						

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 16

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	RATE			ELEV.	HEIGHT	SY
SZ	ID	SCALAR	VARY	X	Y	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0003018	0	0.39520E-05	478878.8	3746355.7	445.0	3.49	10.23	
3.25	YES							
L0003019	0	0.39520E-05	478856.8	3746355.9	445.0	3.49	10.23	
3.25	YES							
L0003020	0	0.39520E-05	478834.8	3746356.0	445.0	3.49	10.23	
3.25	YES							
L0003021	0	0.39520E-05	478812.8	3746356.1	445.0	3.49	10.23	
3.25	YES							
L0003022	0	0.39520E-05	478790.8	3746356.3	445.0	3.49	10.23	
3.25	YES							
L0003023	0	0.39520E-05	478768.8	3746356.4	445.0	3.49	10.23	
3.25	YES							
L0003024	0	0.39520E-05	478746.8	3746356.5	445.0	3.49	10.23	
3.25	YES							
L0003025	0	0.39520E-05	478724.8	3746356.7	445.0	3.49	10.23	
3.25	YES							
L0003026	0	0.39520E-05	478702.8	3746356.8	445.6	3.49	10.23	
3.25	YES							
L0003027	0	0.39520E-05	478680.8	3746356.9	446.0	3.49	10.23	
3.25	YES							

11558 Rider 2 and 4 (10-19)

L0003028	0	0.39520E-05	478658.8	3746357.0	446.0	3.49	10.23
3.25 YES							
L0003029	0	0.39520E-05	478636.8	3746357.0	446.0	3.49	10.23
3.25 YES							
L0003030	0	0.39520E-05	478614.8	3746357.1	446.0	3.49	10.23
3.25 YES							
L0003031	0	0.39520E-05	478592.8	3746357.1	446.0	3.49	10.23
3.25 YES							
L0003032	0	0.39520E-05	478570.8	3746357.2	446.0	3.49	10.23
3.25 YES							
L0003033	0	0.39520E-05	478548.8	3746357.3	446.0	3.49	10.23
3.25 YES							
L0003034	0	0.39520E-05	478526.8	3746357.3	446.0	3.49	10.23
3.25 YES							
L0003035	0	0.39520E-05	478504.8	3746357.4	446.0	3.49	10.23
3.25 YES							
L0003036	0	0.39520E-05	478482.8	3746357.4	446.0	3.49	10.23
3.25 YES							
L0003037	0	0.39520E-05	478460.8	3746357.5	446.0	3.49	10.23
3.25 YES							
L0003038	0	0.39520E-05	478438.8	3746357.6	446.0	3.49	10.23
3.25 YES							
L0003039	0	0.39520E-05	478416.8	3746357.6	446.0	3.49	10.23
3.25 YES							
L0003040	0	0.39520E-05	478394.8	3746357.7	446.0	3.49	10.23
3.25 YES							
L0003041	0	0.39520E-05	478372.8	3746357.7	446.0	3.49	10.23
3.25 YES							
L0003042	0	0.39520E-05	478350.8	3746357.8	446.0	3.49	10.23
3.25 YES							
L0003043	0	0.39520E-05	478328.8	3746357.9	446.0	3.49	10.23
3.25 YES							
L0003044	0	0.39520E-05	478306.8	3746358.0	446.0	3.49	10.23
3.25 YES							
L0003045	0	0.39520E-05	478284.8	3746358.1	446.5	3.49	10.23
3.25 YES							
L0003046	0	0.39520E-05	478262.8	3746358.1	447.0	3.49	10.23
3.25 YES							
L0003047	0	0.39520E-05	478240.8	3746358.2	447.0	3.49	10.23
3.25 YES							
L0003048	0	0.39520E-05	478218.8	3746358.3	447.0	3.49	10.23
3.25 YES							
L0003049	0	0.39520E-05	478196.8	3746358.4	447.0	3.49	10.23
3.25 YES							
L0003050	0	0.39520E-05	478174.8	3746358.5	447.0	3.49	10.23
3.25 YES							
L0003051	0	0.39520E-05	478152.8	3746358.6	447.0	3.49	10.23
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0003052	0	0.39520E-05	478130.8	3746358.7	447.0	3.49	10.23
3.25	YES						
L0003053	0	0.39520E-05	478108.8	3746358.8	447.0	3.49	10.23
3.25	YES						
L0003054	0	0.39520E-05	478086.8	3746358.9	447.0	3.49	10.23
3.25	YES						
L0003055	0	0.39520E-05	478064.8	3746359.0	447.0	3.49	10.23
3.25	YES						
L0003056	0	0.39520E-05	478042.8	3746359.1	447.0	3.49	10.23
3.25	YES						
L0003057	0	0.39520E-05	478020.8	3746359.2	447.0	3.49	10.23
3.25	YES						

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 17

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION	RATE		X	ELEV.	HEIGHT	SY
SZ	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY					
L0003058	0	0.39520E-05	477998.8	3746359.2	447.0	3.49	10.23	
3.25	YES							
L0003059	0	0.39520E-05	477976.8	3746359.3	447.0	3.49	10.23	
3.25	YES							
L0003060	0	0.39520E-05	477954.8	3746359.1	447.1	3.49	10.23	
3.25	YES							
L0003061	0	0.39520E-05	477932.8	3746358.8	447.3	3.49	10.23	
3.25	YES							
L0003062	0	0.39520E-05	477910.8	3746358.6	448.0	3.49	10.23	
3.25	YES							
L0003063	0	0.39520E-05	477888.8	3746358.4	448.0	3.49	10.23	
3.25	YES							
L0003064	0	0.39520E-05	477866.8	3746358.1	448.0	3.49	10.23	
3.25	YES							
L0003065	0	0.39520E-05	477844.8	3746357.9	448.0	3.49	10.23	
3.25	YES							

11558 Rider 2 and 4 (10-19)

L0003066	0	0.39520E-05	477822.8	3746357.6	448.0	3.49	10.23
3.25 YES							
L0003067	0	0.39520E-05	477800.8	3746357.4	448.0	3.49	10.23
3.25 YES							
L0003068	0	0.39520E-05	477778.8	3746357.2	448.0	3.49	10.23
3.25 YES							
L0003069	0	0.39520E-05	477756.8	3746356.9	448.0	3.49	10.23
3.25 YES							
L0003070	0	0.39520E-05	477734.8	3746357.0	448.0	3.49	10.23
3.25 YES							
L0003071	0	0.39520E-05	477712.8	3746357.1	448.0	3.49	10.23
3.25 YES							
L0003072	0	0.39520E-05	477690.8	3746357.2	448.0	3.49	10.23
3.25 YES							
L0003073	0	0.39520E-05	477668.8	3746357.3	448.0	3.49	10.23
3.25 YES							
L0003074	0	0.39520E-05	477646.8	3746357.4	448.0	3.49	10.23
3.25 YES							
L0003075	0	0.39520E-05	477624.8	3746357.5	448.5	3.49	10.23
3.25 YES							
L0003076	0	0.39520E-05	477602.8	3746357.6	449.0	3.49	10.23
3.25 YES							
L0003077	0	0.39520E-05	477580.8	3746357.6	449.0	3.49	10.23
3.25 YES							
L0003078	0	0.39520E-05	477558.8	3746356.9	449.0	3.49	10.23
3.25 YES							
L0003079	0	0.39520E-05	477536.8	3746356.2	449.0	3.49	10.23
3.25 YES							
L0003080	0	0.39520E-05	477514.8	3746355.5	449.0	3.49	10.23
3.25 YES							
L0003081	0	0.39520E-05	477492.8	3746354.8	449.0	3.49	10.23
3.25 YES							
L0003082	0	0.39520E-05	477471.0	3746355.8	449.6	3.49	10.23
3.25 YES							
L0003083	0	0.39520E-05	477449.3	3746359.3	450.0	3.49	10.23
3.25 YES							
L0003084	0	0.39520E-05	477427.6	3746362.9	450.0	3.49	10.23
3.25 YES							
L0003085	0	0.39520E-05	477408.3	3746372.9	450.0	3.49	10.23
3.25 YES							
L0003086	0	0.39520E-05	477389.7	3746384.6	450.0	3.49	10.23
3.25 YES							
L0003087	0	0.39520E-05	477371.1	3746396.4	450.0	3.49	10.23
3.25 YES							
L0003088	0	0.39520E-05	477352.5	3746408.1	450.0	3.49	10.23
3.25 YES							
L0003089	0	0.39520E-05	477334.3	3746420.5	450.0	3.49	10.23
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0003090	0	0.39520E-05	477316.4	3746433.3	450.0	3.49	10.23
3.25	YES						
L0003091	0	0.39520E-05	477298.5	3746446.1	450.0	3.49	10.23
3.25	YES						
L0003092	0	0.39520E-05	477280.6	3746458.9	450.0	3.49	10.23
3.25	YES						
L0003093	0	0.39520E-05	477262.8	3746471.8	450.0	3.49	10.23
3.25	YES						
L0003094	0	0.39520E-05	477244.9	3746484.6	450.1	3.49	10.23
3.25	YES						
L0003095	0	0.39520E-05	477227.0	3746497.3	450.2	3.49	10.23
3.25	YES						
L0003096	0	0.39520E-05	477208.9	3746509.9	450.4	3.49	10.23
3.25	YES						
L0003097	0	0.39520E-05	477190.2	3746521.2	451.0	3.49	10.23
3.25	YES						

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 18

*** 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	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY			(METERS)	(METERS)	(METERS)
(METERS)		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)

L0003098	0	0.39520E-05	477169.3	3746527.9	451.0	3.49	10.23
3.25	YES						
L0003099	0	0.39520E-05	477148.3	3746534.5	451.0	3.49	10.23
3.25	YES						
L0003100	0	0.39520E-05	477127.3	3746541.2	451.0	3.49	10.23
3.25	YES						
L0003101	0	0.39520E-05	477105.7	3746544.4	451.0	3.49	10.23
3.25	YES						
L0003102	0	0.39520E-05	477083.8	3746546.5	451.0	3.49	10.23
3.25	YES						
L0003103	0	0.39520E-05	477061.9	3746548.6	451.2	3.49	10.23
3.25	YES						

11558 Rider 2 and 4 (10-19)

L0003104	0	0.39520E-05	477039.9	3746550.1	451.5	3.49	10.23
3.25 YES							
L0003105	0	0.39520E-05	477017.9	3746550.5	451.9	3.49	10.23
3.25 YES							
L0003106	0	0.39520E-05	476995.9	3746550.9	452.0	3.49	10.23
3.25 YES							
L0003107	0	0.39520E-05	476973.9	3746551.1	452.0	3.49	10.23
3.25 YES							
L0003108	0	0.39520E-05	476951.9	3746550.8	452.0	3.49	10.23
3.25 YES							
L0003109	0	0.39520E-05	476929.9	3746550.5	452.0	3.49	10.23
3.25 YES							
L0003110	0	0.39520E-05	476907.9	3746550.2	452.2	3.49	10.23
3.25 YES							
L0003111	0	0.39520E-05	476885.9	3746549.8	452.6	3.49	10.23
3.25 YES							
L0003112	0	0.39520E-05	476863.9	3746549.5	452.9	3.49	10.23
3.25 YES							
L0003113	0	0.39520E-05	476841.9	3746549.2	453.0	3.49	10.23
3.25 YES							
L0003114	0	0.39520E-05	476820.0	3746548.9	453.0	3.49	10.23
3.25 YES							
L0003115	0	0.39520E-05	476798.0	3746548.6	453.0	3.49	10.23
3.25 YES							
L0003116	0	0.39520E-05	476776.0	3746548.3	454.0	3.49	10.23
3.25 YES							
L0003117	0	0.39520E-05	476754.0	3746547.9	454.0	3.49	10.23
3.25 YES							
L0003118	0	0.39520E-05	476732.0	3746547.6	454.3	3.49	10.23
3.25 YES							
L0003119	0	0.39520E-05	476710.0	3746548.3	455.0	3.49	10.23
3.25 YES							
L0003120	0	0.39520E-05	476688.0	3746549.1	455.0	3.49	10.23
3.25 YES							
L0003121	0	0.39520E-05	476666.0	3746549.9	455.0	3.49	10.23
3.25 YES							
L0003122	0	0.39520E-05	476644.0	3746550.0	455.1	3.49	10.23
3.25 YES							
L0003123	0	0.39520E-05	476622.9	3746555.0	455.3	3.49	10.23
3.25 YES							
L0003124	0	0.39520E-05	476603.1	3746564.6	455.6	3.49	10.23
3.25 YES							
L0003125	0	0.39520E-05	476583.5	3746574.6	456.0	3.49	10.23
3.25 YES							
L0003126	0	0.39520E-05	476564.5	3746585.6	456.0	3.49	10.23
3.25 YES							
L0003127	0	0.39520E-05	476547.4	3746599.4	456.0	3.49	10.23
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0003128	0	0.39520E-05	476531.9	3746614.8	456.0	3.49	10.23
3.25	YES						
L0003129	0	0.39520E-05	476518.6	3746632.3	456.0	3.49	10.23
3.25	YES						
L0003130	0	0.39520E-05	476505.7	3746650.0	456.0	3.49	10.23
3.25	YES						
L0003131	0	0.39520E-05	476497.4	3746670.4	456.1	3.49	10.23
3.25	YES						
L0003132	0	0.39520E-05	476489.2	3746690.8	456.4	3.49	10.23
3.25	YES						
L0003133	0	0.39520E-05	476481.0	3746711.2	456.6	3.49	10.23
3.25	YES						
L0003134	0	0.39520E-05	476475.1	3746732.4	456.4	3.49	10.23
3.25	YES						
L0003135	0	0.39520E-05	476469.1	3746753.6	456.0	3.49	10.23
3.25	YES						
L0003136	0	0.39520E-05	476463.1	3746774.7	456.2	3.49	10.23
3.25	YES						
L0003137	0	0.39520E-05	476457.1	3746795.9	456.4	3.49	10.23
3.25	YES						

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 19

*** 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	SCALAR	VARY		X	Y	(METERS)	(METERS)
(METERS)		CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)

L0003138	0	0.39520E-05	476451.1	3746817.1	456.4	3.49	10.23
3.25	YES						
L0003139	0	0.39520E-05	476442.8	3746837.4	456.0	3.49	10.23
3.25	YES						
L0003140	0	0.39520E-05	476434.1	3746857.6	456.2	3.49	10.23
3.25	YES						
L0003141	0	0.39520E-05	476423.5	3746876.4	456.4	3.49	10.23
3.25	YES						

11558 Rider 2 and 4 (10-19)

L0003142	0	0.39520E-05	476407.0	3746891.0	456.2	3.49	10.23
3.25 YES							
L0003143	0	0.39520E-05	476390.5	3746905.5	456.4	3.49	10.23
3.25 YES							
L0003144	0	0.39520E-05	476373.6	3746919.5	456.4	3.49	10.23
3.25 YES							
L0003145	0	0.39520E-05	476353.8	3746929.2	456.8	3.49	10.23
3.25 YES							
L0003146	0	0.39520E-05	476334.1	3746938.9	456.8	3.49	10.23
3.25 YES							
L0003147	0	0.39520E-05	476314.4	3746948.6	457.0	3.49	10.23
3.25 YES							
L0003148	0	0.39520E-05	476292.8	3746950.7	457.0	3.49	10.23
3.25 YES							
L0003149	0	0.39520E-05	476270.8	3746951.0	457.0	3.49	10.23
3.25 YES							
L0003150	0	0.39520E-05	476248.8	3746951.3	457.0	3.49	10.23
3.25 YES							
L0003151	0	0.39520E-05	476226.8	3746951.6	457.0	3.49	10.23
3.25 YES							
L0003152	0	0.39520E-05	476204.8	3746951.8	457.1	3.49	10.23
3.25 YES							
L0003153	0	0.39520E-05	476182.8	3746952.1	457.6	3.49	10.23
3.25 YES							
L0003154	0	0.39520E-05	476160.8	3746952.4	458.0	3.49	10.23
3.25 YES							
L0003155	0	0.39520E-05	476138.8	3746952.6	458.0	3.49	10.23
3.25 YES							
L0003156	0	0.39520E-05	476116.8	3746952.6	458.8	3.49	10.23
3.25 YES							
L0003157	0	0.39520E-05	476094.8	3746952.6	459.0	3.49	10.23
3.25 YES							
L0003158	0	0.39520E-05	476072.8	3746952.6	459.2	3.49	10.23
3.25 YES							
L0003159	0	0.39520E-05	476050.8	3746952.6	460.0	3.49	10.23
3.25 YES							
L0003160	0	0.39520E-05	476028.8	3746952.6	460.0	3.49	10.23
3.25 YES							
L0003161	0	0.39520E-05	476026.8	3746951.3	460.0	3.49	10.23
3.25 YES							
L0003291	0	0.12040E-05	479930.2	3743660.8	439.7	3.49	10.23
3.25 YES							
L0003292	0	0.12040E-05	479930.4	3743682.8	439.7	3.49	10.23
3.25 YES							
L0003293	0	0.12040E-05	479930.5	3743704.8	439.9	3.49	10.23
3.25 YES							
L0003294	0	0.12040E-05	479930.7	3743726.8	440.0	3.49	10.23
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0003295	0	0.12040E-05	479930.8	3743748.8	440.0	3.49	10.23
3.25 YES							
L0003296	0	0.12040E-05	479930.9	3743770.8	440.0	3.49	10.23
3.25 YES							
L0003297	0	0.12040E-05	479930.9	3743792.8	440.0	3.49	10.23
3.25 YES							
L0003298	0	0.12040E-05	479930.9	3743814.8	440.0	3.49	10.23
3.25 YES							
L0003299	0	0.12040E-05	479930.9	3743836.8	440.0	3.49	10.23
3.25 YES							
L0003300	0	0.12040E-05	479930.9	3743858.8	440.0	3.49	10.23
3.25 YES							
L0003301	0	0.12040E-05	479930.9	3743880.8	440.0	3.49	10.23
3.25 YES							
L0003302	0	0.12040E-05	479930.9	3743902.8	440.0	3.49	10.23
3.25 YES							
L0003303	0	0.12040E-05	479930.9	3743924.8	440.0	3.49	10.23
3.25 YES							
L0003304	0	0.12040E-05	479930.9	3743946.8	440.0	3.49	10.23
3.25 YES							
L0003305	0	0.12040E-05	479930.9	3743968.8	440.0	3.49	10.23
3.25 YES							
L0003306	0	0.12040E-05	479930.9	3743990.8	440.0	3.49	10.23
3.25 YES							

^ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 20

*** 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	ELEV.	HEIGHT	SY
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)
		CATS.	BY					

L0003307	0	0.12040E-05	479930.9	3744012.8	440.0	3.49	10.23
3.25 YES							
L0003308	0	0.12040E-05	479930.9	3744034.8	440.0	3.49	10.23
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0003309	0	0.12040E-05	479930.9	3744056.8	440.0	3.49	10.23
3.25 YES							
L0003310	0	0.12040E-05	479930.9	3744078.8	440.0	3.49	10.23
3.25 YES							
L0003311	0	0.12040E-05	479930.9	3744100.8	440.0	3.49	10.23
3.25 YES							
L0003312	0	0.12040E-05	479930.9	3744122.8	440.0	3.49	10.23
3.25 YES							
L0003523	0	0.12050E-05	479930.4	3743660.6	439.7	3.49	10.23
3.25 YES							
L0003524	0	0.12050E-05	479930.5	3743682.6	439.7	3.49	10.23
3.25 YES							
L0003525	0	0.12050E-05	479930.6	3743704.6	439.9	3.49	10.23
3.25 YES							
L0003526	0	0.12050E-05	479930.7	3743726.6	440.0	3.49	10.23
3.25 YES							
L0003527	0	0.12050E-05	479930.8	3743748.6	440.0	3.49	10.23
3.25 YES							
L0003528	0	0.12050E-05	479930.9	3743770.6	440.0	3.49	10.23
3.25 YES							
L0003529	0	0.12050E-05	479930.9	3743792.6	440.0	3.49	10.23
3.25 YES							
L0003530	0	0.12050E-05	479930.9	3743814.6	440.0	3.49	10.23
3.25 YES							
L0003531	0	0.12050E-05	479930.9	3743836.6	440.0	3.49	10.23
3.25 YES							
L0003532	0	0.12050E-05	479930.9	3743858.6	440.0	3.49	10.23
3.25 YES							
L0003533	0	0.12050E-05	479930.9	3743880.6	440.0	3.49	10.23
3.25 YES							
L0003534	0	0.12050E-05	479930.9	3743902.6	440.0	3.49	10.23
3.25 YES							
L0003535	0	0.12050E-05	479930.9	3743924.6	440.0	3.49	10.23
3.25 YES							
L0003536	0	0.12050E-05	479930.9	3743946.6	440.0	3.49	10.23
3.25 YES							
L0003537	0	0.12050E-05	479930.9	3743968.6	440.0	3.49	10.23
3.25 YES							
L0003538	0	0.12050E-05	479930.9	3743990.6	440.0	3.49	10.23
3.25 YES							
L0003539	0	0.12050E-05	479930.9	3744012.6	440.0	3.49	10.23
3.25 YES							
L0003540	0	0.12050E-05	479930.9	3744034.6	440.0	3.49	10.23
3.25 YES							
L0003541	0	0.12050E-05	479930.9	3744056.6	440.0	3.49	10.23
3.25 YES							
L0003542	0	0.12050E-05	479930.9	3744078.6	440.0	3.49	10.23
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0003543	0	0.12050E-05	479930.9	3744100.6	440.0	3.49	10.23
3.25	YES						
L0003544	0	0.12050E-05	479930.9	3744122.6	440.0	3.49	10.23
3.25	YES						
L0003545	0	0.40870E-06	479932.1	3743856.3	440.0	3.49	10.23
3.25	YES						
L0003546	0	0.40870E-06	479932.0	3743878.3	440.0	3.49	10.23
3.25	YES						
L0003547	0	0.40870E-06	479931.9	3743900.3	440.0	3.49	10.23
3.25	YES						
L0003548	0	0.40870E-06	479931.8	3743922.3	440.0	3.49	10.23
3.25	YES						
L0003549	0	0.40870E-06	479931.7	3743944.3	440.0	3.49	10.23
3.25	YES						
L0003550	0	0.40870E-06	479931.6	3743966.3	440.0	3.49	10.23
3.25	YES						
L0003551	0	0.40870E-06	479931.5	3743988.3	440.0	3.49	10.23
3.25	YES						
L0003552	0	0.40870E-06	479931.4	3744010.3	440.0	3.49	10.23
3.25	YES						
L0003553	0	0.40870E-06	479931.4	3744032.3	440.0	3.49	10.23
3.25	YES						
L0003554	0	0.40870E-06	479931.3	3744054.3	440.0	3.49	10.23
3.25	YES						
L0003555	0	0.40870E-06	479931.2	3744076.3	440.0	3.49	10.23
3.25	YES						
L0003556	0	0.40870E-06	479931.1	3744098.3	440.0	3.49	10.23
3.25	YES						

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 21

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

11558 Rider 2 and 4 (10-19)

L0003557	0	0.40870E-06	479931.0	3744120.3	440.0	3.49	10.23
3.25 YES							
L0003558	0	0.59650E-06	479930.9	3743776.0	440.0	3.49	10.23
3.25 YES							
L0003559	0	0.59650E-06	479930.9	3743798.0	440.0	3.49	10.23
3.25 YES							
L0003560	0	0.59650E-06	479930.9	3743820.0	440.0	3.49	10.23
3.25 YES							
L0003561	0	0.59650E-06	479930.9	3743842.0	440.0	3.49	10.23
3.25 YES							
L0003562	0	0.59650E-06	479930.9	3743864.0	440.0	3.49	10.23
3.25 YES							
L0003563	0	0.59650E-06	479930.9	3743886.0	440.0	3.49	10.23
3.25 YES							
L0003564	0	0.59650E-06	479930.9	3743908.0	440.0	3.49	10.23
3.25 YES							
L0003565	0	0.59650E-06	479930.9	3743930.0	440.0	3.49	10.23
3.25 YES							
L0003566	0	0.59650E-06	479930.9	3743952.0	440.0	3.49	10.23
3.25 YES							
L0003567	0	0.59650E-06	479930.9	3743974.0	440.0	3.49	10.23
3.25 YES							
L0003568	0	0.59650E-06	479930.9	3743996.0	440.0	3.49	10.23
3.25 YES							
L0003569	0	0.59650E-06	479930.9	3744018.0	440.0	3.49	10.23
3.25 YES							
L0003570	0	0.59650E-06	479930.9	3744040.0	440.0	3.49	10.23
3.25 YES							
L0003571	0	0.59650E-06	479930.9	3744062.0	440.0	3.49	10.23
3.25 YES							
L0003572	0	0.59650E-06	479930.9	3744084.0	440.0	3.49	10.23
3.25 YES							
L0003573	0	0.59650E-06	479930.9	3744106.0	440.0	3.49	10.23
3.25 YES							
L0003574	0	0.59650E-06	479930.9	3744128.0	440.0	3.49	10.23
3.25 YES							
L0003271	0	0.47380E-06	480145.8	3744148.1	439.7	3.49	10.23
3.25 YES							
L0003272	0	0.47380E-06	480123.8	3744147.8	440.0	3.49	10.23
3.25 YES							
L0003273	0	0.47380E-06	480101.8	3744147.6	440.0	3.49	10.23
3.25 YES							
L0003274	0	0.47380E-06	480079.8	3744147.3	440.0	3.49	10.23
3.25 YES							
L0003275	0	0.47380E-06	480057.8	3744147.0	440.0	3.49	10.23
3.25 YES							
L0003276	0	0.47380E-06	480035.8	3744146.8	440.0	3.49	10.23
3.25 YES							

11558 Rider 2 and 4 (10-19)

L0003277	0	0.47380E-06	480013.8	3744146.5	440.0	3.49	10.23
3.25 YES							
L0003278	0	0.47380E-06	479991.8	3744146.2	440.0	3.49	10.23
3.25 YES							
L0003279	0	0.47380E-06	479969.8	3744146.0	440.0	3.49	10.23
3.25 YES							
L0003280	0	0.47380E-06	479947.8	3744145.7	440.0	3.49	10.23
3.25 YES							
L0003281	0	0.94770E-07	480145.8	3744148.1	439.7	3.49	10.23
3.25 YES							
L0003282	0	0.94770E-07	480123.8	3744147.8	440.0	3.49	10.23
3.25 YES							
L0003283	0	0.94770E-07	480101.8	3744147.6	440.0	3.49	10.23
3.25 YES							
L0003284	0	0.94770E-07	480079.8	3744147.3	440.0	3.49	10.23
3.25 YES							
L0003285	0	0.94770E-07	480057.8	3744147.0	440.0	3.49	10.23
3.25 YES							
L0003286	0	0.94770E-07	480035.8	3744146.8	440.0	3.49	10.23
3.25 YES							
L0003287	0	0.94770E-07	480013.8	3744146.5	440.0	3.49	10.23
3.25 YES							
L0003288	0	0.94770E-07	479991.8	3744146.2	440.0	3.49	10.23
3.25 YES							
L0003289	0	0.94770E-07	479969.8	3744146.0	440.0	3.49	10.23
3.25 YES							
L0003290	0	0.94770E-07	479947.8	3744145.7	440.0	3.49	10.23
3.25 YES							

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 22

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
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11558 Rider 2 and 4 (10-19)

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 L0002479 , L0002474 , L0002475 , L0002476 , L0002477 , L0002478 ,
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 , L0002496 , L0002497 ,
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 , L0002504 , L0002505 ,
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 , L0002568 , L0002569 ,
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 , L0002576 , L0002577 ,
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 , L0002584 , L0002585 ,
 L0002591 , L0002586 , L0002587 , L0002588 , L0002589 , L0002590 ,
 , L0002592 , L0002593 ,
 L0002594 , L0002595 , L0002596 , L0002597 , L0002598 ,

11558 Rider 2 and 4 (10-19)
L0002599 , L0002600 , L0002601 ,
L0002602 , L0002603 , L0002604 , L0002605 , L0002606 ,
L0002607 , L0002608 , L0002609 ,
L0002610 , L0002611 , L0002612 , L0002613 , L0002614 ,
L0002615 , L0002616 , L0002617 ,
▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 *** 10/31/19
*** AERMET - VERSION 16216 *** ***
*** 11:15:28

PAGE 23

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID -----	SOURCE IDs -----
L0002623	L0002618 , L0002619 , L0002620 , L0002621 , L0002622 , , L0002624 , L0002625 ,
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L0002639	L0002634 , L0002635 , L0002636 , L0002637 , L0002638 , , L0002640 , L0002641 ,
L0002647	L0002642 , L0002643 , L0002644 , L0002645 , L0002646 , , L0002648 , L0002649 ,
L0002655	L0002650 , L0002651 , L0002652 , L0002653 , L0002654 , , L0002656 , L0002657 ,
L0002663	L0002658 , L0002659 , L0002660 , L0002661 , L0002662 , , L0002664 , L0002665 ,
L0002671	L0002666 , L0002667 , L0002668 , L0002669 , L0002670 , , L0002672 , L0002673 ,
L0002679	L0002674 , L0002675 , L0002676 , L0002677 , L0002678 , , L0002680 , L0002681 ,
	L0002682 , L0002683 , L0002684 , L0002685 , L0002686 ,

11558 Rider 2 and 4 (10-19)

L0002687 , L0002688 , L0002689 ,

L0002695 , L0002690 , L0002691 , L0002692 , L0002693 , L0002694 ,
 , L0002696 , L0002697 ,

L0002703 , L0002698 , L0002699 , L0002700 , L0002701 , L0002702 ,
 , L0002704 , L0002705 ,

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 , L0002736 , L0002737 ,

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 , L0002744 , L0002745 ,

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 , L0002752 , L0002753 ,

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 , L0002768 , L0002769 ,

L0002775 , L0002770 , L0002771 , L0002772 , L0002773 , L0002774 ,
 , L0002776 , L0002777 ,

▲ *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 ***
 *** 11:15:28

PAGE 24

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID

SOURCE IDs

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 , L0002784 , L0002785 ,

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 , L0002792 , L0002793 ,

L0002799 L0002794 , L0002795 , L0002796 , L0002797 , L0002798 ,
 , L0002800 , L0002801 ,

L0002807 L0002802 , L0002803 , L0002804 , L0002805 , L0002806 ,
 , L0002808 , L0002809 ,

L0002815 L0002810 , L0002811 , L0002812 , L0002813 , L0002814 ,
 , L0002816 , L0002817 ,

L0002823 L0002818 , L0002819 , L0002820 , L0002821 , L0002822 ,
 , L0002824 , L0002825 ,

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 , L0002832 , L0002833 ,

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 , L0002840 , L0002841 ,

L0002847 L0002842 , L0002843 , L0002844 , L0002845 , L0002846 ,
 , L0002848 , L0002849 ,

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 , L0002856 , L0002857 ,

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 , L0002864 , L0002865 ,

L0002871 L0002866 , L0002867 , L0002868 , L0002869 , L0002870 ,
 , L0002872 , L0002873 ,

L0002879 L0002874 , L0002875 , L0002876 , L0002877 , L0002878 ,
 , L0002880 , L0002881 ,

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 , L0002888 , L0002889 ,

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 , L0002896 , L0002897 ,

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11558 Rider 2 and 4 (10-19)

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 *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 ***
 *** 11:15:28

PAGE 25

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	SOURCE IDs
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L0002943 , L0002944 ,	L0002938 , L0002939 , L0002940 , L0002941 , L0002942 ,
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L0002959 , L0002960 ,	L0002954 , L0002955 , L0002956 , L0002957 , L0002958 ,
L0002967 , L0002968 ,	L0002962 , L0002963 , L0002964 , L0002965 , L0002966 ,
L0002975 , L0002976 ,	L0002970 , L0002971 , L0002972 , L0002973 , L0002974 ,
L0002983 , L0002984 ,	L0002978 , L0002979 , L0002980 , L0002981 , L0002982 ,
L0002986 , L0002987 ,	L0002986 , L0002987 , L0002988 , L0002989 , L0002990 ,

11558 Rider 2 and 4 (10-19)

L0002991 , L0002992 , L0002993 ,
L0002994 , L0002995 , L0002996 , L0002997 , L0002998 ,
L0002999 , L0003000 , L0003001 ,
L0003002 , L0003003 , L0003004 , L0003005 , L0003006 ,
L0003007 , L0003008 , L0003009 ,
L0003010 , L0003011 , L0003012 , L0003013 , L0003014 ,
L0003015 , L0003016 , L0003017 ,
L0003018 , L0003019 , L0003020 , L0003021 , L0003022 ,
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▲ *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 *** 10/31/19
*** AERMET - VERSION 16216 ***
*** 11:15:28

11558 Rider 2 and 4 (10-19)

*** SOURCE IDs DEFINING SOURCE GROUPS

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	, L0003112	, L0003113	,			
L0003119	L0003114	, L0003115	, L0003116	, L0003117	, L0003118	,
	, L0003120	, L0003121	,			
L0003127	L0003122	, L0003123	, L0003124	, L0003125	, L0003126	,
	, L0003128	, L0003129	,			
L0003135	L0003130	, L0003131	, L0003132	, L0003133	, L0003134	,
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L0003143	L0003138	, L0003139	, L0003140	, L0003141	, L0003142	,
	, L0003144	, L0003145	,			
L0003151	L0003146	, L0003147	, L0003148	, L0003149	, L0003150	,
	, L0003152	, L0003153	,			
L0003159	L0003154	, L0003155	, L0003156	, L0003157	, L0003158	,
	, L0003160	, L0003161	,			
L0003296	L0003291	, L0003292	, L0003293	, L0003294	, L0003295	,
	, L0003297	, L0003298	,			
L0003304	L0003299	, L0003300	, L0003301	, L0003302	, L0003303	,
	, L0003305	, L0003306	,			
L0003312	L0003307	, L0003308	, L0003309	, L0003310	, L0003311	,
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11558 Rider 2 and 4 (10-19)

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▲ *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 ***
 *** 11:15:28

PAGE 27

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

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		, L0002472	, L0002473			
L0002479		L0002474	, L0002475	, L0002476	, L0002477	, L0002478
		, L0002480	, L0002481			
L0002487		L0002482	, L0002483	, L0002484	, L0002485	, L0002486
		, L0002488	, L0002489			

11558 Rider 2 and 4 (10-19)

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L0002511	L0002506 , L0002512	, L0002507 , L0002513	, L0002508 ,	, L0002509	, L0002510	,
L0002519	L0002514 , L0002520	, L0002515 , L0002521	, L0002516 ,	, L0002517	, L0002518	,
L0002527	L0002522 , L0002528	, L0002523 , L0002529	, L0002524 ,	, L0002525	, L0002526	,
L0002535	L0002530 , L0002536	, L0002531 , L0002537	, L0002532 ,	, L0002533	, L0002534	,
L0002543	L0002538 , L0002544	, L0002539 , L0002545	, L0002540 ,	, L0002541	, L0002542	,
L0002551	L0002546 , L0002552	, L0002547 , L0002553	, L0002548 ,	, L0002549	, L0002550	,
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L0002567	L0002562 , L0002568	, L0002563 , L0002569	, L0002564 ,	, L0002565	, L0002566	,
L0002575	L0002570 , L0002576	, L0002571 , L0002577	, L0002572 ,	, L0002573	, L0002574	,
L0002583	L0002578 , L0002584	, L0002579 , L0002585	, L0002580 ,	, L0002581	, L0002582	,
L0002591	L0002586 , L0002592	, L0002587 , L0002593	, L0002588 ,	, L0002589	, L0002590	,
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▲ *** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4

11558 Rider 2 and 4 (10-19)
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 28

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
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L0002639	L0002634 , L0002640	L0002635 , L0002636 , L0002637 , L0002638 , L0002639
L0002647	L0002642 , L0002648	L0002643 , L0002644 , L0002645 , L0002646 , L0002647
L0002655	L0002650 , L0002656	L0002651 , L0002652 , L0002653 , L0002654 , L0002655
L0002663	L0002658 , L0002664	L0002659 , L0002660 , L0002661 , L0002662 , L0002663
L0002671	L0002666 , L0002672	L0002667 , L0002668 , L0002669 , L0002670 , L0002671
L0002679	L0002674 , L0002680	L0002675 , L0002676 , L0002677 , L0002678 , L0002679
L0002687	L0002682 , L0002688	L0002683 , L0002684 , L0002685 , L0002686 , L0002687
L0002695	L0002690 , L0002696	L0002691 , L0002692 , L0002693 , L0002694 , L0002695
L0002703	L0002698 , L0002704	L0002699 , L0002700 , L0002701 , L0002702 , L0002703

11558 Rider 2 and 4 (10-19)

L0002711 , L0002706 , L0002707 , L0002708 , L0002709 , L0002710 ,
 , L0002712 , L0002713 , ,
 L0002719 , L0002714 , L0002715 , L0002716 , L0002717 , L0002718 ,
 , L0002720 , L0002721 , ,
 L0002727 , L0002722 , L0002723 , L0002724 , L0002725 , L0002726 ,
 , L0002728 , L0002729 , ,
 L0002735 , L0002730 , L0002731 , L0002732 , L0002733 , L0002734 ,
 , L0002736 , L0002737 , ,
 L0002743 , L0002738 , L0002739 , L0002740 , L0002741 , L0002742 ,
 , L0002744 , L0002745 , ,
 L0002751 , L0002746 , L0002747 , L0002748 , L0002749 , L0002750 ,
 , L0002752 , L0002753 , ,
 L0002759 , L0002754 , L0002755 , L0002756 , L0002757 , L0002758 ,
 , L0002760 , L0002761 , ,
 L0002767 , L0002762 , L0002763 , L0002764 , L0002765 , L0002766 ,
 , L0002768 , L0002769 , ,
 L0002775 , L0002770 , L0002771 , L0002772 , L0002773 , L0002774 ,
 , L0002776 , L0002777 , ,

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 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 ***
 *** 11:15:28

PAGE 29

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0002783	L0002778 , L0002779 , L0002780 , L0002781 , L0002782 , , L0002784 , L0002785 ,	
L0002791	L0002786 , L0002787 , L0002788 , L0002789 , L0002790 , , L0002792 , L0002793 ,	

11558 Rider 2 and 4 (10-19)

L0002799	L0002794 , L0002800	, L0002795 , L0002801	, L0002796 ,	, L0002797	, L0002798	,
L0002807	L0002802 , L0002808	, L0002803 , L0002809	, L0002804 ,	, L0002805	, L0002806	,
L0002815	L0002810 , L0002816	, L0002811 , L0002817	, L0002812 ,	, L0002813	, L0002814	,
L0002823	L0002818 , L0002824	, L0002819 , L0002825	, L0002820 ,	, L0002821	, L0002822	,
L0002831	L0002826 , L0002832	, L0002827 , L0002833	, L0002828 ,	, L0002829	, L0002830	,
L0002839	L0002834 , L0002840	, L0002835 , L0002841	, L0002836 ,	, L0002837	, L0002838	,
L0002847	L0002842 , L0002848	, L0002843 , L0002849	, L0002844 ,	, L0002845	, L0002846	,
L0002855	L0002850 , L0002856	, L0002851 , L0002857	, L0002852 ,	, L0002853	, L0002854	,
L0002863	L0002858 , L0002864	, L0002859 , L0002865	, L0002860 ,	, L0002861	, L0002862	,
L0002871	L0002866 , L0002872	, L0002867 , L0002873	, L0002868 ,	, L0002869	, L0002870	,
L0002879	L0002874 , L0002880	, L0002875 , L0002881	, L0002876 ,	, L0002877	, L0002878	,
L0002887	L0002882 , L0002888	, L0002883 , L0002889	, L0002884 ,	, L0002885	, L0002886	,
L0002895	L0002890 , L0002896	, L0002891 , L0002897	, L0002892 ,	, L0002893	, L0002894	,
L0002903	L0002898 , L0002904	, L0002899 , L0002905	, L0002900 ,	, L0002901	, L0002902	,
L0002911	L0002906 , L0002912	, L0002907 , L0002913	, L0002908 ,	, L0002909	, L0002910	,
L0002919	L0002914 , L0002920	, L0002915 , L0002921	, L0002916 ,	, L0002917	, L0002918	,

11558 Rider 2 and 4 (10-19)

L0002927 , L0002922 , L0002928 , L0002923 , L0002929 , L0002924 , L0002925 , L0002926 ,

L0002935 , L0002930 , L0002936 , L0002931 , L0002937 , L0002932 , L0002933 , L0002934 ,

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*** AERMET - VERSION 16216 *** *** 11:15:28

PAGE 30

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----	-----	-----	-----	-----
L0002943	L0002938 , L0002944	L0002939 , L0002945	L0002940 ,	L0002941 ,	L0002942 ,	
L0002951	L0002946 , L0002952	L0002947 , L0002953	L0002948 ,	L0002949 ,	L0002950 ,	
L0002959	L0002954 , L0002960	L0002955 , L0002961	L0002956 ,	L0002957 ,	L0002958 ,	
L0002967	L0002962 , L0002968	L0002963 , L0002969	L0002964 ,	L0002965 ,	L0002966 ,	
L0002975	L0002970 , L0002976	L0002971 , L0002977	L0002972 ,	L0002973 ,	L0002974 ,	
L0002983	L0002978 , L0002984	L0002979 , L0002985	L0002980 ,	L0002981 ,	L0002982 ,	
L0002991	L0002986 , L0002992	L0002987 , L0002993	L0002988 ,	L0002989 ,	L0002990 ,	
L0002999	L0002994 , L0003000	L0002995 , L0003001	L0002996 ,	L0002997 ,	L0002998 ,	
L0003007	L0003002 , L0003008	L0003003 , L0003009	L0003004 ,	L0003005 ,	L0003006 ,	

11558 Rider 2 and 4 (10-19)

L0003103	L0003098 , L0003104	, L0003099 , L0003105	, L0003100 ,	L0003101 ,	L0003102 ,
L0003111	L0003106 , L0003112	, L0003107 , L0003113	, L0003108 ,	L0003109 ,	L0003110 ,
L0003119	L0003114 , L0003120	, L0003115 , L0003121	, L0003116 ,	L0003117 ,	L0003118 ,
L0003127	L0003122 , L0003128	, L0003123 , L0003129	, L0003124 ,	L0003125 ,	L0003126 ,
L0003135	L0003130 , L0003136	, L0003131 , L0003137	, L0003132 ,	L0003133 ,	L0003134 ,
L0003143	L0003138 , L0003144	, L0003139 , L0003145	, L0003140 ,	L0003141 ,	L0003142 ,
L0003151	L0003146 , L0003152	, L0003147 , L0003153	, L0003148 ,	L0003149 ,	L0003150 ,
L0003159	L0003154 , L0003160	, L0003155 , L0003161	, L0003156 ,	L0003157 ,	L0003158 ,
L0003296	L0003291 , L0003297	, L0003292 , L0003298	, L0003293 ,	L0003294 ,	L0003295 ,
L0003304	L0003299 , L0003305	, L0003300 , L0003306	, L0003301 ,	L0003302 ,	L0003303 ,
L0003312	L0003307 , L0003523	, L0003308 , L0003524	, L0003309 ,	L0003310 ,	L0003311 ,
L0003530	L0003525 , L0003531	, L0003526 , L0003532	, L0003527 ,	L0003528 ,	L0003529 ,
L0003538	L0003533 , L0003539	, L0003534 , L0003540	, L0003535 ,	L0003536 ,	L0003537 ,
L0003546	L0003541 , L0003547	, L0003542 , L0003548	, L0003543 ,	L0003544 ,	L0003545 ,
L0003554	L0003549 , L0003555	, L0003550 , L0003556	, L0003551 ,	L0003552 ,	L0003553 ,
L0003562	L0003557 , L0003563	, L0003558 , L0003564	, L0003559 ,	L0003560 ,	L0003561 ,

11558 Rider 2 and 4 (10-19)

L0003570 , L0003565 , L0003566 , L0003567 , L0003568 , L0003569 ,
 , L0003571 , L0003572 , ,
 L0003274 , L0003573 , L0003574 , L0003271 , L0003272 , L0003273 ,
 , L0003275 , L0003276 , ,
 L0003282 , L0003277 , L0003278 , L0003279 , L0003280 , L0003281 ,
 , L0003283 , L0003284 , ,
 L0003290 , L0003285 , L0003286 , L0003287 , L0003288 , L0003289 ,
 ,

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 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 32

*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ_U*

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

(480042.5, 3743317.1, 439.0, 439.0, 0.0); (480243.6,
 3743232.1, 438.0, 438.0, 0.0);
 (479762.5, 3743382.8, 440.0, 440.0, 0.0); (479687.6,
 3743403.5, 440.0, 440.0, 0.0);
 (479693.9, 3743370.6, 440.0, 440.0, 0.0); (480701.2,
 3743542.8, 439.0, 439.0, 0.0);
 (480699.5, 3743170.1, 438.0, 438.0, 0.0); (480713.7,
 3743930.5, 440.0, 440.0, 0.0);
 (479886.1, 3744868.0, 441.0, 441.0, 0.0); (479887.5,
 3744694.3, 441.0, 441.0, 0.0);
 (480133.2, 3743178.7, 439.0, 439.0, 0.0); (479889.5,
 3743527.5, 440.0, 440.0, 0.0);
 (480385.3, 3744192.7, 440.0, 440.0, 0.0); (479896.1,
 3743941.9, 440.0, 440.0, 0.0);
 (479965.3, 3743314.3, 439.0, 439.0, 0.0); (480190.4,
 3743316.2, 439.0, 439.0, 0.0);
 (479845.7, 3744334.3, 441.0, 441.0, 0.0); (480075.3,
 3744196.9, 440.0, 440.0, 0.0);
 (480181.8, 3744193.6, 439.9, 439.9, 0.0); (479963.8,
 3744721.2, 441.0, 441.0, 0.0);
 (479895.5, 3746002.5, 442.0, 780.0, 0.0); (480025.4,
 3746203.5, 442.0, 780.0, 0.0);
 (478015.5, 3746309.3, 447.0, 447.0, 0.0); (476443.3,
 3746575.0, 457.0, 457.0, 0.0);
 (480379.0, 3743825.8, 439.0, 439.0, 0.0); (480340.0,

11558 Rider 2 and 4 (10-19)

*** AERMOD - VERSION 19191 *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
*** AERMET - VERSION 16216 ***
*** 11:15:28

PAGE 34

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL

DATA ***

Surface file: PERRISADJU\PERI_V9_ADJU\PERI_V9.SFC
Met Version: 16216
Profile file: PERRISADJU\PERI_V9_ADJU\PERI_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171
Name: UNKNOWN
Year: 2010

Upper air station no.: 3190
Name: UNKNOWN
Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	
1.00	1.30	335.		9.1	282.5	5.5								
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	
1.00	0.90	142.		9.1	280.9	5.5								
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	
1.00	0.90	324.		9.1	280.4	5.5								
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	
1.00	0.40	294.		9.1	278.8	5.5								
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	
1.00	0.90	205.		9.1	278.1	5.5								
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	
1.00	0.40	3.		9.1	277.0	5.5								
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	
1.00	1.30	99.		9.1	277.0	5.5								
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	
0.54	0.90	319.		9.1	278.8	5.5								
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	
0.33	0.90	239.		9.1	284.2	5.5								
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	

11558 Rider 2 and 4 (10-19)

0.26	0.40	188.	9.1	289.2	5.5								
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61
0.23	2.70	310.	9.1	290.9	5.5								
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61
0.22	2.20	357.	9.1	293.1	5.5								
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61
0.22	2.20	356.	9.1	293.8	5.5								
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61
0.23	2.20	50.	9.1	294.2	5.5								
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61
0.27	1.80	53.	9.1	293.8	5.5								
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61
0.36	1.80	11.	9.1	292.5	5.5								
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61
0.64	0.90	351.	9.1	290.4	5.5								
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61
1.00	0.90	186.	9.1	287.5	5.5								
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61
1.00	0.90	275.	9.1	285.9	5.5								
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61
1.00	0.40	181.	9.1	285.4	5.5								
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61
1.00	1.30	318.	9.1	284.9	5.5								
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61
1.00	0.90	196.	9.1	283.1	5.5								
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61
1.00	0.90	330.	9.1	281.4	5.5								
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61
1.00	1.30	332.	9.1	280.9	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

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

*** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 35

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
 YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0002458 , L0002459

11558 Rider 2 and 4 (10-19)

, L0002460 , L0002461 , L0002462 ,
 , L0002468 , L0002463 , L0002464 , L0002465 , L0002466 , L0002467
 , L0002476 , L0002469 , L0002470 , L0002473 , L0002474 , L0002475
 , L0002477 , L0002471 , L0002472 , L0002478 , L0002481 , L0002482 , L0002483
 , L0002484 , L0002479 , L0002480 , L0002485 , . . . ,

*** 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		
480042.50	3743317.09	0.01302	480243.62
3743232.15	0.00771		
479762.51	3743382.75	0.00517	479687.60
3743403.51	0.00417		
479693.92	3743370.57	0.00405	480701.16
3743542.80	0.00331		
480699.50	3743170.14	0.00256	480713.74
3743930.53	0.00285		
479886.14	3744867.99	0.01081	479887.53
3744694.28	0.01135		
480133.18	3743178.71	0.00604	479889.52
3743527.50	0.01416		
480385.32	3744192.72	0.00475	479896.06
3743941.90	0.02010		
479965.26	3743314.33	0.01024	480190.39
3743316.21	0.01380		
479845.74	3744334.32	0.00855	480075.29
3744196.93	0.01318		
480181.82	3744193.60	0.01051	479963.78
3744721.22	0.01594		
479895.54	3746002.49	0.01210	480025.36
3746203.46	0.00684		
478015.49	3746309.31	0.01031	476443.34
3746575.05	0.00534		
480378.96	3743825.80	0.00806	480339.95
3743993.45	0.00762		
480332.49	3744060.67	0.00717	478217.92
3742297.79	0.00048		
479995.64	3741926.46	0.00071	480064.72
3741790.86	0.00064		

11558 Rider 2 and 4 (10-19)
 480141.44 3741915.34 0.00072 477366.67
 3744251.05 0.00056
 480868.11 3744203.61 0.00192

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 (10-19)\11558 RIDER 2 AND 4 *** 10/31/19
 *** AERMET - VERSION 16216 *** ***
 *** 11:15:28

PAGE 36

*** 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	0.02010 AT (	479896.06, 3743941.90,
440.00,	440.00, 0.00) DC		
	2ND HIGHEST VALUE IS	0.01594 AT (	479963.78, 3744721.22,
441.00,	441.00, 0.00) DC		
	3RD HIGHEST VALUE IS	0.01416 AT (	479889.52, 3743527.50,
440.00,	440.00, 0.00) DC		
	4TH HIGHEST VALUE IS	0.01380 AT (	480190.39, 3743316.21,
438.99,	438.99, 0.00) DC		
	5TH HIGHEST VALUE IS	0.01318 AT (	480075.29, 3744196.93,
440.00,	440.00, 0.00) DC		
	6TH HIGHEST VALUE IS	0.01302 AT (	480042.50, 3743317.09,
439.00,	439.00, 0.00) DC		
	7TH HIGHEST VALUE IS	0.01210 AT (	479895.54, 3746002.49,
442.00,	780.00, 0.00) DC		
	8TH HIGHEST VALUE IS	0.01135 AT (	479887.53, 3744694.28,
441.00,	441.00, 0.00) DC		
	9TH HIGHEST VALUE IS	0.01081 AT (	479886.14, 3744867.99,
441.00,	441.00, 0.00) DC		
	10TH HIGHEST VALUE IS	0.01051 AT (	480181.82, 3744193.60,
439.94,	439.94, 0.00) DC		

11558 Rider 2 and 4 (10-19)

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

▲ *** AERMOD - VERSION 19191 *** *** C:\LAKES\AERMOD VIEW\11558 RIDER 2 AND 4
(10-19)\11558 RIDER 2 AND 4 *** 10/31/19
*** AERMET - VERSION 16216 *** ***
*** 11:15:28

PAGE 37

*** 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 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

***** WARNING MESSAGES *****
ME W186 1935 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 1935 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at:
14010101
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at:
2 year gap

*** AERMOD Finishes Successfully ***

**AVERAGE EMISSION FACTOR
RIVERSIDE 2021**

Speed	LHD1	MHD	HHD
0	0.376403	0.215051	0.02138
5	0.03923	0.180749	0.08736
25	0.013853	0.069122	0.03792

Speed	Weighted Average Emissions
0	0.12133
5	0.09847
25	0.04028

Emission Rates - 2021 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 Rider 4 (West Side)	62			0.1213	1.88	2.180E-05
On-Site Idling Rider 4 (East Side)	62			0.1213	1.88	2.180E-05
On-Site Idling Rider 2 (West Side)	93			0.1213	2.83	3.270E-05
On-Site Idling Rider 2 (East Side)	93			0.1213	2.83	3.270E-05
On-Site Travel Rider 4	248	172.36	0.0985		16.97	1.964E-04
On-Site Travel Rider 2	373	292.02	0.0985		28.76	3.328E-04
Off-Site Travel 100% Inbound/Outbound	621	1559.62	0.0403		62.83	7.271E-04
Off-Site Travel 30% Inbound/Outbound Rider 2	186	56.82	0.0403		2.29	2.649E-05
Off-Site Travel 30% Inbound/Outbound Rider 2	186	56.85	0.0403		2.29	2.651E-05
Off-Site Travel 20% Outbound Rider 4	62	11.39	0.0403		0.46	5.313E-06
Off-Site Travel 15% Inbound/Outbound Rider 4	93	21.74	0.0403		0.88	1.014E-05
Off-Site Travel 25% Inbound Rider 4	78	10.16	0.0403		0.41	4.738E-06
Off-Site Travel 5% Outbound Rider 4	16	2.03	0.0403		0.08	9.477E-07

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

^b Emission rates determined using EMFAC 2017. Idle emission rates are expressed in grams per idle hour rather than grams per mile.

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

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatu	relative_h	process	speed_tim	pollutant	emission_rate
2021	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5	PM10	0.090872
2021	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25	PM10	0.039446
2021	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.082192
2021	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.029025
2021	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5	PM10	0.204727
2021	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25	PM10	0.078292
2021	Annual	Riverside (	HHDT	Dsl			IDLEX		PM10	0.022237
2021	Annual	Riverside (	LHDT1	Dsl			IDLEX		PM10	0.788627
2021	Annual	Riverside (	MHDT	Dsl			IDLEX		PM10	0.243579

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: RIVERSIDE

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Y	Vehicle Ca	Model Yea	Speed	Fuel	Population
RIVERSID	2021	HHDT	Aggregate	Aggregate	GAS	8.256088
RIVERSID	2021	HHDT	Aggregate	Aggregate	DSL	27250.49
RIVERSID	2021	HHDT	Aggregate	Aggregate	NG	278.9619
RIVERSID	2021	LHDT1	Aggregate	Aggregate	GAS	20885.97
RIVERSID	2021	LHDT1	Aggregate	Aggregate	DSL	19999.78
RIVERSID	2021	MHDT	Aggregate	Aggregate	GAS	1963.204
RIVERSID	2021	MHDT	Aggregate	Aggregate	DSL	15756.36

HHDT% GAS/NG	0.01043
HHDT% DSL	0.98957
LHDT1% GAS	0.510837
LHDT1% DSL	0.489163
MHDT% GAS	0.110793
MHDT% DSL	0.889207

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APPENDIX 2.2:

RISK CALCULATIONS

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

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³) (b)	(mg/m ³) (c)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
		0.00950			9.50E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.3E-06	1.0E-07	5.0E+00	1.4E-03	1.9E-03				
TOTAL								1.0E-07			1.9E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

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

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

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**										
	(ug/m ³) (b)	(mg/m ³) (c)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)	
		0.00950			9.50E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	9.9E-06	2.5E-06	5.0E+00	1.4E-03	1.9E-03					
TOTAL								2.5E-06			1.9E-03	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) 1090
 inhalation absorption factor 1
 averaging time (years) 70
 fraction of time at home 0.85
 age sensitivity factor (0 to 2 years old) 10

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

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**										
	(ug/m ³) (b)	(mg/m ³) (c)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)	
		0.00950			9.50E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.2E-06	2.4E-06	5.0E+00	1.4E-03	1.9E-03					
TOTAL								2.4E-06			1.9E-03	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)
		0.00950			9.50E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.4E-06	3.6E-07	5.0E+00	1.4E-03	1.9E-03				
TOTAL					3.6E-07				1.9E-03	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

0.36

** 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) 5.36

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 (ug/m ³ -y) ¹	CPF (mg/kg/day) ¹	DOSE (mg/kg-day)	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)	
		(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	
1	Diesel Particulates	1.14E-02	1.14E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.8E-06	6.7E-07	5.0E+00	1.4E-03	2.3E-03								
TOTAL									6.7E-07 0.67		2.3E-03	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)	250
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	25
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day)	230
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 (ug/m ³ -y)	CPF (mg/kg/day) ¹	DOSE (mg/kg-day)	RISK (i)	REL (ug/m ³)	RfD (mg/kg/day)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)	
		(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	
1	Diesel Particulates	8.00E-04	8.00E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.3E-07	9.1E-08	5.0E+00	1.4E-03	1.6E-04								
TOTAL									9.1E-08 0.09		1.6E-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

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		