



**CDRE Holdings 11, LLC Warehouse
MOBILE SOURCE HEALTH RISK ASSESSMENT
CITY OF RIALTO**

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DECEMBER 4, 2018

12213-02 HRA Report

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.....	8
2.1 Regulatory Setting.....	8
2.2 Emissions Estimation	8
2.3 Exposure Quantification	13
2.4 Carcinogenic Chemical Risk.....	14
2.5 Non-carcinogenic Exposures.....	15
2.6 Potential Project-Related DPM Source Cancer and Non-Cancer Risks.....	16
3 REFERENCES.....	19
4 CERTIFICATION.....	21

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	12
EXHIBIT 2-B: MODELED RECEPTORS	17

LIST OF TABLES

TABLE ES-1: SUMMARY OF CANCER AND NON-CANCER RISKS	2
TABLE 2-1: 2020 WEIGHTED AVERAGE DPM EMISSIONS FACTORS	10
TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS	11
TABLE 2-3: AERMOD MODEL PARAMETERS.....	13
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

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
PM_{10}	Particulate Matter 10 microns in diameter or less
Project	CDRE Holdings 11, LLC Warehouse
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TIA	Traffic Impact Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

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

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

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 104 feet south of the Project site across Base Line Road. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 1.32 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.0005, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences.

Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located at an existing church east of the Project site on Base Line Road at approximately 10 feet. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.37 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.001, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers.

School Child Exposure Scenario:

There are no schools located within a $\frac{1}{4}$ mile of the Project site. As such, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

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	1.32	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.37	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.0005	1.0	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.001	1.0	NO

1 INTRODUCTION

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

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

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

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

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

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

1.1 SITE LOCATION

The proposed CDRE Holdings 11, LLC Warehouse Project is located north of Base Line Road between Palmetto Avenue and Tamarind Avenue in the City of Rialto, as shown on Exhibit 1-A. The Project site is currently vacant and is located within the *Renaissance Specific Plan*. (3) Existing sensitive residential homes are located south, west, and east of the Project site, and an existing church use is located adjacent to the eastern Project site boundary.

1.2 PROJECT DESCRIPTION

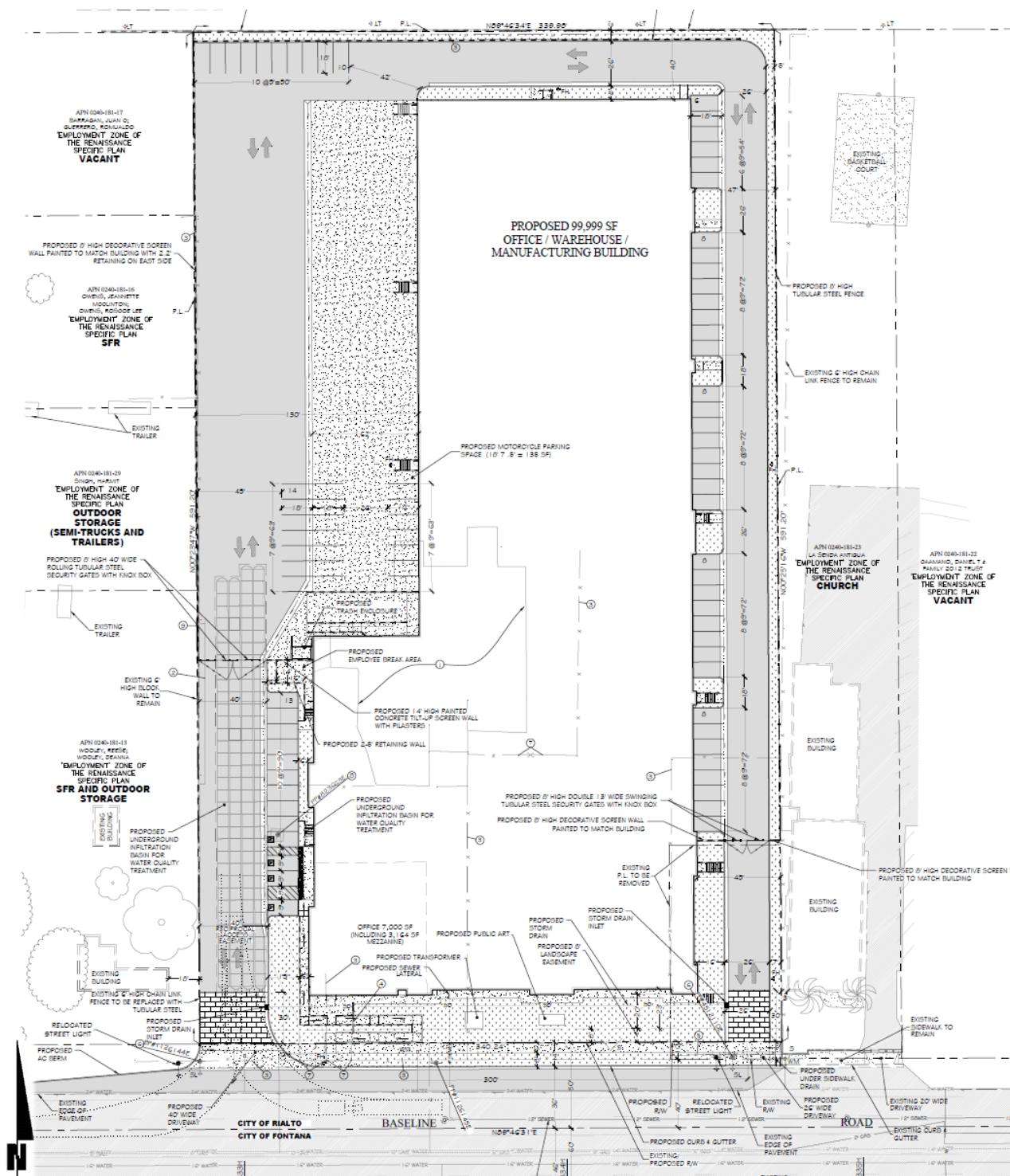
The 5.01-acre Project site is proposed to consist of a 99,999 square-foot warehouse/manufacturing facility, as shown on Exhibit 1-B. At the time this analysis was prepared, the future tenants of the proposed Project were unknown.

Per the *Traffic Impact Analysis*, the Project is expected to generate a net total of approximately 357 trip-ends per day (actual vehicles). (4) The net Project trip generation includes 143 truck trip-ends per day. This HRA study relies on the actual Project trips (as opposed to the passenger car equivalents) to accurately account for the effect of individual truck trips on the adjacent receptors.

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: SITE PLAN



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2 BACKGROUND

2.1 REGULATORY SETTING

ARB estimates that the average Californian is exposed to 1.2-1.8 $\mu\text{g}/\text{m}^3$ of DPM annually, this exposure results in an average cancer risk of 360-540 in one million for the average Californian exposed to DPM (5).

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

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

2.2 EMISSIONS ESTIMATION

2.2.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were estimated using emission factors for particulate matter less than 10 μm in diameter (PM_{10}) generated with the 2014 version of the Emission FACTor model (EMFAC) developed by the ARB. EMFAC 2014 is a mathematical model that was developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (6). The most recent version of this model, EMFAC 2014, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

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

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

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

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

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

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM₁₀ emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (6):

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

Where:

$\text{Emissions}_{\text{speed A}}$ (g/s): Vehicle emissions at a given speed A;

$\text{EF}_{\text{RunExhaust}}$ (g/VMT): EMFAC running exhaust PM₁₀ emission factor at speed A;

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

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM₁₀ emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM₁₀ emission factor (g/idle-hr) from EMFAC and the total truck trip over the total idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (6):

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

Where:

- Emissions_{idle} (g/s): Vehicle emissions during idling;
 EF_{idle} (g/s): EMFAC idle exhaust PM₁₀ emission factor.

TABLE 2-1: 2020 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.05460 (g/idle-hr)
5	0.04375 (g/s)
25	0.02643 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix “2.1”. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-2. The modeled emission sources are illustrated on Exhibit 2-A. The modeling domain is limited to the Project’s primary truck route and includes off-site sources in the study area for over 1 mile. This modeling domain is consistent with and more conservative than using only a $\frac{1}{4}$ mile modeling domain which is supported by substantial evidence since several studies have shown that the greatest potential risks occur within a $\frac{1}{4}$ mile of the primary source of emissions (in the case of the Project this is the on-site idling, and on-site travel).

On-site truck idling was estimated to occur as trucks enter and travel through the facility. Although the Project is required to comply with CARB’s idling limit of 5 minutes, staff at SCAQMD recommends that the on-site idling emissions should be estimated for 15 minutes of truck idling (7), 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.

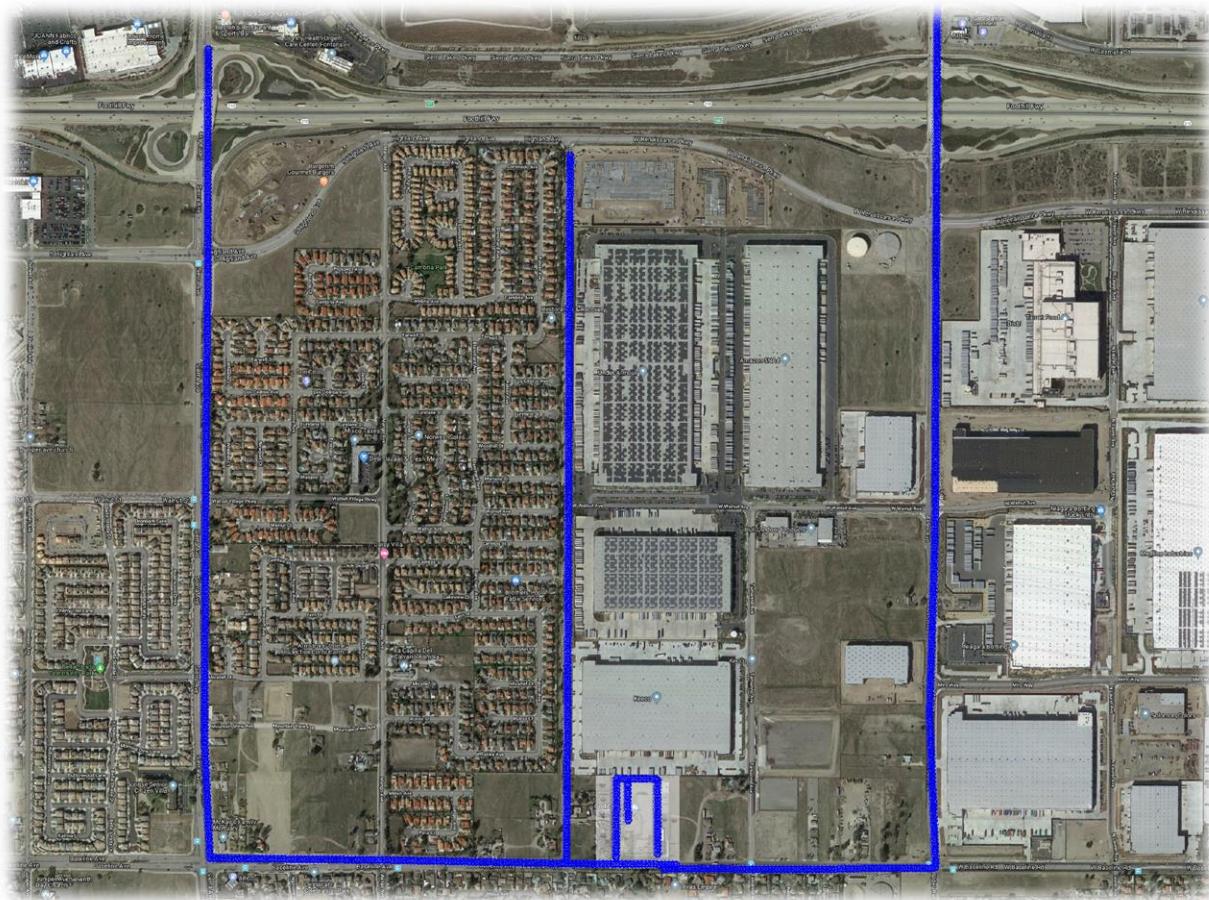
The net Project trip generation includes 143 truck trip-ends per day from the proposed buildings within the Project site including 2.09% 2-axle trucks, 28% 3-axle trucks, and 69.91% 4+-axle trucks.

TABLE 2-2: DPM EMISSIONS FROM PROJECT TRUCKS

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	72			0.0546	0.98	1.130E-05
On-Site Travel	143	38.70	0.0437		1.69	1.959E-05
Off-Site Travel 100% Inbound	72	112.67	0.0264		2.98	3.447E-05
Off-Site Travel 50% Outbound (Sierra Ave.)	36	62.95	0.0264		1.66	1.926E-05
Off-Site Travel 50% Outbound (Palmetto Ave.)	36	40.51	0.0264		1.07	1.239E-05

^a Vehicle miles traveled are for modeled truck route only.
^b Emission rates determined using EMFAC 2014. Idle emission rates are expressed in grams per idle hour rather than grams per mile.
^c This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.

EXHIBIT 2-A: MODELED EMISSION SOURCES



2.3 EXPOSURE QUANTIFICATION

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

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

SCAQMD required model parameters are presented in Table 2-3 (8). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Fontana (SRA 34) was used to represent local weather conditions and prevailing winds (9).

TABLE 2-3: AERMOD MODEL PARAMETERS

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

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

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

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

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

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 Office of Environmental Health Hazard Assessment (OEHHA) Guidelines (10). Tables 2-4, and 2-5 summarize the Exposure Parameters for Residents and Offsite Worker scenarios based on 2015 OEHHA Guidelines. Appendix 2.2 includes the detailed risk calculation.

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

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
-0.25 to 0	361	10	0.25	0.85	350	24
0 to 2	1090	10	2	0.85	350	24
2 to 16	745	3	14	0.72	350	24
16 to 30	335	1	14	0.73	350	24

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

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

2.4 CARCINOGENIC CHEMICAL RISK

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

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air

contaminants over a specified duration of time. As an example, the risk of dying from accidental drowning is 1,000 in a million which is 100 times more than the SCAQMD's threshold of 10 in one million, the nearest comparison to 10 in one million is the 7 in one million lifetime chance that an individual would be struck by lightning.

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

$$\text{DOSEair} = (\text{Cair} \times [\text{BR/BW}] \times \text{A} \times \text{EF}) \times (1 \times 10^{-6})$$

Where:

DOSEair	=	chronic daily intake (mg/kg/day)
Cair	=	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)

$$\text{RISKair} = \text{DOSEair} \times \text{CPF} \times \text{ED/AT}$$

Where:

DOSEair	=	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 $\mu\text{g}/\text{m}^3$ (OEHHA Toxicity Criteria Database, <http://www.oehha.org/risk/chemicaldb/index.asp>).

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

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

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

Where:

HI_{DPM} = Hazard Index; an expression of the potential for non-cancer health effects.

C_{DPM} = Annual average DPM concentration ($\mu\text{g}/\text{m}^3$).

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

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

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

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 104 feet south of the Project site across Base Line Road. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 1.32 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be 0.0005, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent residences. The nearest modeled receptors are illustrated on Exhibit 2-B.

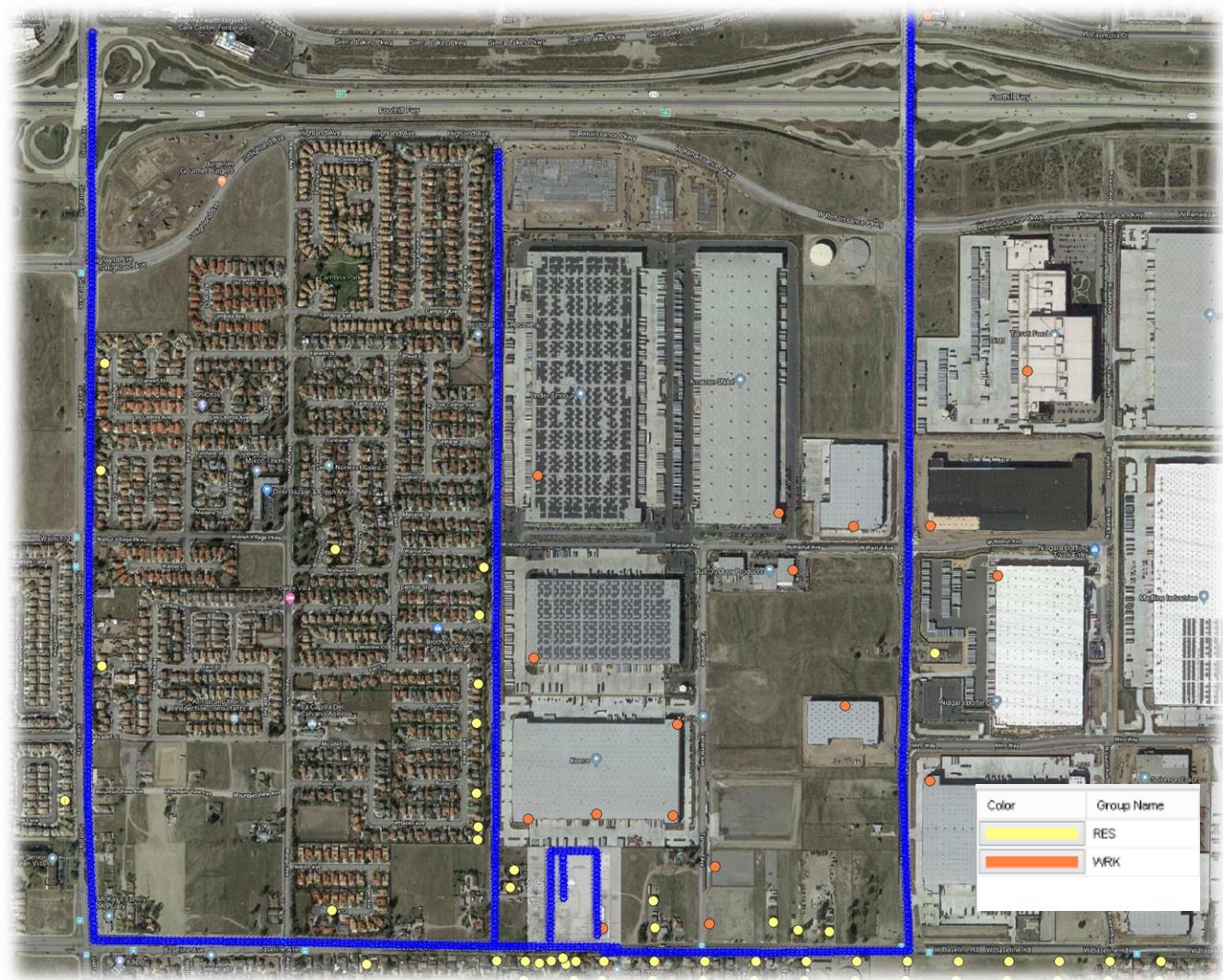
Worker Exposure Scenario:

The worker receptor land use with the greatest potential exposure to Project DPM source emissions is located at an existing church east of the Project site on Base Line Road at approximately 10 feet. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.37 in one million which is less than the threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be 0.001, which would not exceed the applicable

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

threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-B.

EXHIBIT 2-B: MODELED RECEPTORS



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3 REFERENCES

1. **South Coast Air Quality Management District.** Mobile Source Toxics Analysis. [Online] 2003. http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
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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 CDRE Holdings 11, LLC Warehouse Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

Haseeb Qureshi
Senior Associate
URBAN CROSSROADS, INC.
260 E. Baker, Suite 200
Costa Mesa, CA 92626
(949) 336-5987
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

**AVERAGE EMISSION FACTOR
SCAQMD 2020**

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

Speed	Weighted Average Emissions
0	0.05460
5	0.04375
25	0.02643

Emission Rates - 2020 Emission Factors

Truck Emission Rates						
Source	Trucks Per Day	VMT ^a (miles/day)	Truck Emission Rate ^b (grams/mile)	Truck Emission Rate ^b (grams/idle-hour)	Daily Truck Emissions ^c (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling	72			0.0546	0.98	1.130E-05
On-Site Travel	143	38.70	0.0437		1.69	1.959E-05
Off-Site Travel 100% Inbound	72	112.67	0.0264		2.98	3.447E-05
Off-Site Travel 50% Outbound (Sierra Ave.)	36	62.95	0.0264		1.66	1.926E-05

12213 HRA

** Lakes Environmental AERMOD MPI

**

**

** AERMOD INPUT PRODUCED BY:

** AERMOD VIEW VER. 9.6.4

** LAKES ENVIRONMENTAL SOFTWARE INC.

** DATE: 12/4/2018

** FILE: C:\LAKES\AERMOD VIEW\12213 HRA\12213 HRA.ADI

**

**

**

** AERMOD CONTROL PATHWAY

**

**

CO STARTING

TITLEONE C:\LAKES\AERMOD VIEW\12213 HRA\12213 HRA.ISC

MODELLOPT DFAULT CONC

AVERTIME ANNUAL

URBANOPT 2035210

POLLUTID DPM

RUNORNOT RUN

ERRORFIL "12213 HRA.ERR"

CO FINISHED

**

** AERMOD SOURCE PATHWAY

**

**

SO STARTING

** SOURCE LOCATION **

** SOURCE ID - TYPE - X COORD. - Y COORD. **

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE1

** DESCRSRC ON-SITE IDLING

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.0000113

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 2

** 460733.422, 3775872.385, 434.89, 3.49, 4.00

12213 HRA

** 460734.654, 3775782.834, 432.89, 3.49, 4.00

** -----

LOCATION L0010715	VOLUME	460733.481	3775868.090	434.73
LOCATION L0010716	VOLUME	460733.599	3775859.501	434.44
LOCATION L0010717	VOLUME	460733.718	3775850.912	434.15
LOCATION L0010718	VOLUME	460733.836	3775842.322	433.93
LOCATION L0010719	VOLUME	460733.954	3775833.733	433.78
LOCATION L0010720	VOLUME	460734.072	3775825.144	433.63
LOCATION L0010721	VOLUME	460734.190	3775816.555	433.49
LOCATION L0010722	VOLUME	460734.308	3775807.966	433.35
LOCATION L0010723	VOLUME	460734.426	3775799.376	433.21
LOCATION L0010724	VOLUME	460734.544	3775790.787	433.07

** END OF LINE VOLUME SOURCE ID = SLINE1

** -----

** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

** LINE VOLUME SOURCE ID = SLINE2

** DESCRSRC ON-SITE TRAVEL

** PREFIX

** LENGTH OF SIDE = 8.59

** CONFIGURATION = ADJACENT

** EMISSION RATE = 0.00001959

** VERTICAL DIMENSION = 6.99

** SZINIT = 3.25

** NODES = 5

** 460708.127, 3775707.785, 431.00, 3.49, 4.00

** 460708.958, 3775883.173, 434.94, 3.49, 4.00

** 460800.465, 3775883.794, 434.94, 3.49, 4.00

** 460799.520, 3775867.920, 434.88, 3.49, 4.00

** 460800.611, 3775715.236, 431.76, 3.49, 4.00

** -----

LOCATION L0010725	VOLUME	460708.148	3775712.080	431.52
LOCATION L0010726	VOLUME	460708.188	3775720.670	431.81
LOCATION L0010727	VOLUME	460708.229	3775729.260	432.00
LOCATION L0010728	VOLUME	460708.270	3775737.850	432.00
LOCATION L0010729	VOLUME	460708.310	3775746.439	432.00
LOCATION L0010730	VOLUME	460708.351	3775755.029	432.00
LOCATION L0010731	VOLUME	460708.392	3775763.619	432.24
LOCATION L0010732	VOLUME	460708.432	3775772.209	432.53
LOCATION L0010733	VOLUME	460708.473	3775780.799	432.82
LOCATION L0010734	VOLUME	460708.514	3775789.389	433.00
LOCATION L0010735	VOLUME	460708.554	3775797.979	433.00
LOCATION L0010736	VOLUME	460708.595	3775806.569	433.00
LOCATION L0010737	VOLUME	460708.636	3775815.159	433.00
LOCATION L0010738	VOLUME	460708.677	3775823.749	433.25
LOCATION L0010739	VOLUME	460708.717	3775832.339	433.53
LOCATION L0010740	VOLUME	460708.758	3775840.928	433.82
LOCATION L0010741	VOLUME	460708.799	3775849.518	434.11
LOCATION L0010742	VOLUME	460708.839	3775858.108	434.39

12213 HRA					
LOCATION L0010743	VOLUME	460708.880	3775866.698	434.68	
LOCATION L0010744	VOLUME	460708.921	3775875.288	434.97	
LOCATION L0010745	VOLUME	460709.663	3775883.178	435.00	
LOCATION L0010746	VOLUME	460718.253	3775883.236	435.00	
LOCATION L0010747	VOLUME	460726.842	3775883.294	435.00	
LOCATION L0010748	VOLUME	460735.432	3775883.353	435.00	
LOCATION L0010749	VOLUME	460744.022	3775883.411	435.00	
LOCATION L0010750	VOLUME	460752.612	3775883.469	435.00	
LOCATION L0010751	VOLUME	460761.202	3775883.528	435.00	
LOCATION L0010752	VOLUME	460769.791	3775883.586	435.00	
LOCATION L0010753	VOLUME	460778.381	3775883.644	435.00	
LOCATION L0010754	VOLUME	460786.971	3775883.702	435.00	
LOCATION L0010755	VOLUME	460795.561	3775883.761	435.00	
LOCATION L0010756	VOLUME	460800.246	3775880.115	435.00	
LOCATION L0010757	VOLUME	460799.736	3775871.540	434.84	
LOCATION L0010758	VOLUME	460799.556	3775862.956	434.55	
LOCATION L0010759	VOLUME	460799.617	3775854.367	434.27	
LOCATION L0010760	VOLUME	460799.679	3775845.777	434.00	
LOCATION L0010761	VOLUME	460799.740	3775837.187	434.00	
LOCATION L0010762	VOLUME	460799.801	3775828.597	434.00	
LOCATION L0010763	VOLUME	460799.863	3775820.007	434.00	
LOCATION L0010764	VOLUME	460799.924	3775811.418	433.84	
LOCATION L0010765	VOLUME	460799.985	3775802.828	433.55	
LOCATION L0010766	VOLUME	460800.047	3775794.238	433.26	
LOCATION L0010767	VOLUME	460800.108	3775785.648	433.00	
LOCATION L0010768	VOLUME	460800.169	3775777.059	433.00	
LOCATION L0010769	VOLUME	460800.231	3775768.469	433.00	
LOCATION L0010770	VOLUME	460800.292	3775759.879	433.00	
LOCATION L0010771	VOLUME	460800.353	3775751.289	432.83	
LOCATION L0010772	VOLUME	460800.415	3775742.699	432.55	
LOCATION L0010773	VOLUME	460800.476	3775734.110	432.26	
LOCATION L0010774	VOLUME	460800.537	3775725.520	431.97	
LOCATION L0010775	VOLUME	460800.599	3775716.930	431.69	
** END OF LINE VOLUME SOURCE ID = SLINE2					
** -----					
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES					
** LINE VOLUME SOURCE ID = SLINE4					
** DESCRSRC 100% INBOUND					
** PREFIX					
** LENGTH OF SIDE = 8.59					
** CONFIGURATION = ADJACENT					
** EMISSION RATE = 0.00003447					
** VERTICAL DIMENSION = 6.99					
** SZINIT = 3.25					
** NODES = 11					
** 460813.152, 3775683.096, 431.00, 3.49, 4.00					
** 460853.321, 3775683.821, 431.00, 3.49, 4.00					
** 461099.683, 3775682.584, 430.00, 3.49, 4.00					

12213 HRA

** 461157.051, 3775682.330, 429.75, 3.49, 4.00
** 461291.725, 3775685.230, 429.78, 3.49, 4.00
** 461408.597, 3775684.833, 429.00, 3.49, 4.00
** 461416.812, 3775684.965, 429.00, 3.49, 4.00
** 461414.560, 3775754.797, 430.97, 3.49, 4.00
** 461403.645, 3776028.892, 436.90, 3.49, 4.00
** 461415.954, 3776430.118, 444.00, 3.49, 4.00
** 461420.914, 3777616.928, 468.69, 3.49, 4.00
** -----

LOCATION L0010776	VOLUME	460817.447	3775683.173	431.00
LOCATION L0010777	VOLUME	460826.035	3775683.328	431.00
LOCATION L0010778	VOLUME	460834.624	3775683.483	431.00
LOCATION L0010779	VOLUME	460843.212	3775683.638	430.95
LOCATION L0010780	VOLUME	460851.801	3775683.793	430.83
LOCATION L0010781	VOLUME	460860.391	3775683.785	430.71
LOCATION L0010782	VOLUME	460868.981	3775683.742	430.59
LOCATION L0010783	VOLUME	460877.570	3775683.699	430.58
LOCATION L0010784	VOLUME	460886.160	3775683.656	430.58
LOCATION L0010785	VOLUME	460894.750	3775683.613	430.58
LOCATION L0010786	VOLUME	460903.340	3775683.570	430.57
LOCATION L0010787	VOLUME	460911.930	3775683.527	430.57
LOCATION L0010788	VOLUME	460920.520	3775683.484	430.57
LOCATION L0010789	VOLUME	460929.110	3775683.440	430.57
LOCATION L0010790	VOLUME	460937.700	3775683.397	430.57
LOCATION L0010791	VOLUME	460946.290	3775683.354	430.57
LOCATION L0010792	VOLUME	460954.879	3775683.311	430.57
LOCATION L0010793	VOLUME	460963.469	3775683.268	430.56
LOCATION L0010794	VOLUME	460972.059	3775683.225	430.56
LOCATION L0010795	VOLUME	460980.649	3775683.182	430.56
LOCATION L0010796	VOLUME	460989.239	3775683.139	430.56
LOCATION L0010797	VOLUME	460997.829	3775683.095	430.41
LOCATION L0010798	VOLUME	461006.419	3775683.052	430.25
LOCATION L0010799	VOLUME	461015.009	3775683.009	430.09
LOCATION L0010800	VOLUME	461023.599	3775682.966	430.00
LOCATION L0010801	VOLUME	461032.188	3775682.923	430.00
LOCATION L0010802	VOLUME	461040.778	3775682.880	430.00
LOCATION L0010803	VOLUME	461049.368	3775682.837	430.00
LOCATION L0010804	VOLUME	461057.958	3775682.794	430.00
LOCATION L0010805	VOLUME	461066.548	3775682.750	430.00
LOCATION L0010806	VOLUME	461075.138	3775682.707	430.00
LOCATION L0010807	VOLUME	461083.728	3775682.664	429.94
LOCATION L0010808	VOLUME	461092.318	3775682.621	429.81
LOCATION L0010809	VOLUME	461100.908	3775682.579	429.67
LOCATION L0010810	VOLUME	461109.497	3775682.541	429.54
LOCATION L0010811	VOLUME	461118.087	3775682.503	429.54
LOCATION L0010812	VOLUME	461126.677	3775682.465	429.54
LOCATION L0010813	VOLUME	461135.267	3775682.427	429.54
LOCATION L0010814	VOLUME	461143.857	3775682.389	429.54

12213 HRA					
LOCATION L0010815	VOLUME	461152.447	3775682.351	429.53	
LOCATION L0010816	VOLUME	461161.036	3775682.416	429.54	
LOCATION L0010817	VOLUME	461169.624	3775682.601	429.54	
LOCATION L0010818	VOLUME	461178.212	3775682.786	429.55	
LOCATION L0010819	VOLUME	461186.800	3775682.971	429.55	
LOCATION L0010820	VOLUME	461195.388	3775683.156	429.56	
LOCATION L0010821	VOLUME	461203.976	3775683.341	429.57	
LOCATION L0010822	VOLUME	461212.564	3775683.526	429.57	
LOCATION L0010823	VOLUME	461221.152	3775683.711	429.58	
LOCATION L0010824	VOLUME	461229.740	3775683.896	429.59	
LOCATION L0010825	VOLUME	461238.328	3775684.081	429.59	
LOCATION L0010826	VOLUME	461246.916	3775684.266	429.60	
LOCATION L0010827	VOLUME	461255.504	3775684.450	429.60	
LOCATION L0010828	VOLUME	461264.092	3775684.635	429.61	
LOCATION L0010829	VOLUME	461272.680	3775684.820	429.62	
LOCATION L0010830	VOLUME	461281.268	3775685.005	429.62	
LOCATION L0010831	VOLUME	461289.856	3775685.190	429.63	
LOCATION L0010832	VOLUME	461298.446	3775685.208	429.63	
LOCATION L0010833	VOLUME	461307.036	3775685.178	429.63	
LOCATION L0010834	VOLUME	461315.626	3775685.149	429.63	
LOCATION L0010835	VOLUME	461324.216	3775685.120	429.53	
LOCATION L0010836	VOLUME	461332.806	3775685.091	429.35	
LOCATION L0010837	VOLUME	461341.396	3775685.062	429.17	
LOCATION L0010838	VOLUME	461349.985	3775685.032	429.00	
LOCATION L0010839	VOLUME	461358.575	3775685.003	429.00	
LOCATION L0010840	VOLUME	461367.165	3775684.974	429.00	
LOCATION L0010841	VOLUME	461375.755	3775684.945	429.00	
LOCATION L0010842	VOLUME	461384.345	3775684.915	429.00	
LOCATION L0010843	VOLUME	461392.935	3775684.886	429.00	
LOCATION L0010844	VOLUME	461401.525	3775684.857	429.00	
LOCATION L0010845	VOLUME	461410.115	3775684.857	429.00	
LOCATION L0010846	VOLUME	461416.751	3775686.856	429.00	
LOCATION L0010847	VOLUME	461416.474	3775695.442	429.00	
LOCATION L0010848	VOLUME	461416.197	3775704.027	429.26	
LOCATION L0010849	VOLUME	461415.920	3775712.613	429.54	
LOCATION L0010850	VOLUME	461415.643	3775721.198	429.83	
LOCATION L0010851	VOLUME	461415.366	3775729.784	430.12	
LOCATION L0010852	VOLUME	461415.090	3775738.370	430.40	
LOCATION L0010853	VOLUME	461414.813	3775746.955	430.69	
LOCATION L0010854	VOLUME	461414.530	3775755.540	430.97	
LOCATION L0010855	VOLUME	461414.188	3775764.124	431.00	
LOCATION L0010856	VOLUME	461413.846	3775772.707	431.00	
LOCATION L0010857	VOLUME	461413.505	3775781.290	431.00	
LOCATION L0010858	VOLUME	461413.163	3775789.873	431.12	
LOCATION L0010859	VOLUME	461412.821	3775798.456	431.40	
LOCATION L0010860	VOLUME	461412.479	3775807.040	431.69	
LOCATION L0010861	VOLUME	461412.137	3775815.623	431.98	
LOCATION L0010862	VOLUME	461411.796	3775824.206	432.26	

12213 HRA

LOCATION L0010863	VOLUME	461411.454	3775832.789	432.55
LOCATION L0010864	VOLUME	461411.112	3775841.372	432.83
LOCATION L0010865	VOLUME	461410.770	3775849.956	433.00
LOCATION L0010866	VOLUME	461410.428	3775858.539	433.00
LOCATION L0010867	VOLUME	461410.087	3775867.122	433.00
LOCATION L0010868	VOLUME	461409.745	3775875.705	433.00
LOCATION L0010869	VOLUME	461409.403	3775884.288	433.27
LOCATION L0010870	VOLUME	461409.061	3775892.872	433.55
LOCATION L0010871	VOLUME	461408.719	3775901.455	433.84
LOCATION L0010872	VOLUME	461408.378	3775910.038	434.12
LOCATION L0010873	VOLUME	461408.036	3775918.621	434.39
LOCATION L0010874	VOLUME	461407.694	3775927.204	434.65
LOCATION L0010875	VOLUME	461407.352	3775935.788	434.91
LOCATION L0010876	VOLUME	461407.010	3775944.371	434.94
LOCATION L0010877	VOLUME	461406.669	3775952.954	434.96
LOCATION L0010878	VOLUME	461406.327	3775961.537	434.98
LOCATION L0010879	VOLUME	461405.985	3775970.120	435.13
LOCATION L0010880	VOLUME	461405.643	3775978.704	435.41
LOCATION L0010881	VOLUME	461405.301	3775987.287	435.70
LOCATION L0010882	VOLUME	461404.960	3775995.870	435.98
LOCATION L0010883	VOLUME	461404.618	3776004.453	436.23
LOCATION L0010884	VOLUME	461404.276	3776013.036	436.46
LOCATION L0010885	VOLUME	461403.934	3776021.619	436.68
LOCATION L0010886	VOLUME	461403.685	3776030.203	436.83
LOCATION L0010887	VOLUME	461403.948	3776038.789	436.89
LOCATION L0010888	VOLUME	461404.212	3776047.375	436.95
LOCATION L0010889	VOLUME	461404.475	3776055.961	437.00
LOCATION L0010890	VOLUME	461404.738	3776064.547	437.00
LOCATION L0010891	VOLUME	461405.002	3776073.133	437.00
LOCATION L0010892	VOLUME	461405.265	3776081.719	437.00
LOCATION L0010893	VOLUME	461405.529	3776090.305	437.00
LOCATION L0010894	VOLUME	461405.792	3776098.891	438.00
LOCATION L0010895	VOLUME	461406.055	3776107.477	438.00
LOCATION L0010896	VOLUME	461406.319	3776116.063	438.00
LOCATION L0010897	VOLUME	461406.582	3776124.649	438.00
LOCATION L0010898	VOLUME	461406.846	3776133.235	438.00
LOCATION L0010899	VOLUME	461407.109	3776141.821	438.00
LOCATION L0010900	VOLUME	461407.373	3776150.407	438.13
LOCATION L0010901	VOLUME	461407.636	3776158.993	438.42
LOCATION L0010902	VOLUME	461407.899	3776167.578	438.70
LOCATION L0010903	VOLUME	461408.163	3776176.164	438.99
LOCATION L0010904	VOLUME	461408.426	3776184.750	439.00
LOCATION L0010905	VOLUME	461408.690	3776193.336	439.00
LOCATION L0010906	VOLUME	461408.953	3776201.922	439.00
LOCATION L0010907	VOLUME	461409.216	3776210.508	439.13
LOCATION L0010908	VOLUME	461409.480	3776219.094	439.42
LOCATION L0010909	VOLUME	461409.743	3776227.680	439.71
LOCATION L0010910	VOLUME	461410.007	3776236.266	439.99

12213 HRA

LOCATION L0010911	VOLUME	461410.270	3776244.852	440.27
LOCATION L0010912	VOLUME	461410.533	3776253.438	440.55
LOCATION L0010913	VOLUME	461410.797	3776262.024	440.81
LOCATION L0010914	VOLUME	461411.060	3776270.610	440.96
LOCATION L0010915	VOLUME	461411.324	3776279.196	440.97
LOCATION L0010916	VOLUME	461411.587	3776287.782	440.98
LOCATION L0010917	VOLUME	461411.851	3776296.368	441.00
LOCATION L0010918	VOLUME	461412.114	3776304.954	441.28
LOCATION L0010919	VOLUME	461412.377	3776313.540	441.57
LOCATION L0010920	VOLUME	461412.641	3776322.126	441.85
LOCATION L0010921	VOLUME	461412.904	3776330.712	442.00
LOCATION L0010922	VOLUME	461413.168	3776339.298	442.00
LOCATION L0010923	VOLUME	461413.431	3776347.884	442.00
LOCATION L0010924	VOLUME	461413.694	3776356.470	442.00
LOCATION L0010925	VOLUME	461413.958	3776365.056	442.28
LOCATION L0010926	VOLUME	461414.221	3776373.642	442.57
LOCATION L0010927	VOLUME	461414.485	3776382.227	442.86
LOCATION L0010928	VOLUME	461414.748	3776390.813	443.14
LOCATION L0010929	VOLUME	461415.011	3776399.399	443.43
LOCATION L0010930	VOLUME	461415.275	3776407.985	443.72
LOCATION L0010931	VOLUME	461415.538	3776416.571	444.00
LOCATION L0010932	VOLUME	461415.802	3776425.157	444.00
LOCATION L0010933	VOLUME	461415.969	3776433.745	444.00
LOCATION L0010934	VOLUME	461416.005	3776442.335	444.00
LOCATION L0010935	VOLUME	461416.041	3776450.925	444.15
LOCATION L0010936	VOLUME	461416.077	3776459.515	444.43
LOCATION L0010937	VOLUME	461416.113	3776468.105	444.72
LOCATION L0010938	VOLUME	461416.149	3776476.695	445.00
LOCATION L0010939	VOLUME	461416.184	3776485.284	445.00
LOCATION L0010940	VOLUME	461416.220	3776493.874	445.00
LOCATION L0010941	VOLUME	461416.256	3776502.464	445.00
LOCATION L0010942	VOLUME	461416.292	3776511.054	445.15
LOCATION L0010943	VOLUME	461416.328	3776519.644	445.44
LOCATION L0010944	VOLUME	461416.364	3776528.234	445.72
LOCATION L0010945	VOLUME	461416.400	3776536.824	446.01
LOCATION L0010946	VOLUME	461416.436	3776545.414	446.23
LOCATION L0010947	VOLUME	461416.472	3776554.004	446.45
LOCATION L0010948	VOLUME	461416.508	3776562.594	446.67
LOCATION L0010949	VOLUME	461416.543	3776571.184	446.80
LOCATION L0010950	VOLUME	461416.579	3776579.774	446.87
LOCATION L0010951	VOLUME	461416.615	3776588.364	446.94
LOCATION L0010952	VOLUME	461416.651	3776596.953	447.01
LOCATION L0010953	VOLUME	461416.687	3776605.543	447.30
LOCATION L0010954	VOLUME	461416.723	3776614.133	447.59
LOCATION L0010955	VOLUME	461416.759	3776622.723	447.87
LOCATION L0010956	VOLUME	461416.795	3776631.313	448.16
LOCATION L0010957	VOLUME	461416.831	3776639.903	448.45
LOCATION L0010958	VOLUME	461416.867	3776648.493	448.73

12213 HRA

LOCATION L0010959	VOLUME	461416.903	3776657.083	449.02
LOCATION L0010960	VOLUME	461416.938	3776665.673	449.31
LOCATION L0010961	VOLUME	461416.974	3776674.263	449.59
LOCATION L0010962	VOLUME	461417.010	3776682.853	449.88
LOCATION L0010963	VOLUME	461417.046	3776691.443	450.00
LOCATION L0010964	VOLUME	461417.082	3776700.033	450.00
LOCATION L0010965	VOLUME	461417.118	3776708.623	450.00
LOCATION L0010966	VOLUME	461417.154	3776717.212	450.02
LOCATION L0010967	VOLUME	461417.190	3776725.802	450.31
LOCATION L0010968	VOLUME	461417.226	3776734.392	450.60
LOCATION L0010969	VOLUME	461417.262	3776742.982	450.88
LOCATION L0010970	VOLUME	461417.297	3776751.572	451.17
LOCATION L0010971	VOLUME	461417.333	3776760.162	451.46
LOCATION L0010972	VOLUME	461417.369	3776768.752	451.74
LOCATION L0010973	VOLUME	461417.405	3776777.342	452.00
LOCATION L0010974	VOLUME	461417.441	3776785.932	452.00
LOCATION L0010975	VOLUME	461417.477	3776794.522	452.00
LOCATION L0010976	VOLUME	461417.513	3776803.112	452.00
LOCATION L0010977	VOLUME	461417.549	3776811.702	452.13
LOCATION L0010978	VOLUME	461417.585	3776820.292	452.34
LOCATION L0010979	VOLUME	461417.621	3776828.881	452.54
LOCATION L0010980	VOLUME	461417.656	3776837.471	452.74
LOCATION L0010981	VOLUME	461417.692	3776846.061	452.81
LOCATION L0010982	VOLUME	461417.728	3776854.651	452.89
LOCATION L0010983	VOLUME	461417.764	3776863.241	452.97
LOCATION L0010984	VOLUME	461417.800	3776871.831	453.18
LOCATION L0010985	VOLUME	461417.836	3776880.421	453.46
LOCATION L0010986	VOLUME	461417.872	3776889.011	453.75
LOCATION L0010987	VOLUME	461417.908	3776897.601	454.00
LOCATION L0010988	VOLUME	461417.944	3776906.191	454.00
LOCATION L0010989	VOLUME	461417.980	3776914.781	454.00
LOCATION L0010990	VOLUME	461418.016	3776923.371	454.00
LOCATION L0010991	VOLUME	461418.051	3776931.961	454.13
LOCATION L0010992	VOLUME	461418.087	3776940.550	454.33
LOCATION L0010993	VOLUME	461418.123	3776949.140	454.54
LOCATION L0010994	VOLUME	461418.159	3776957.730	454.72
LOCATION L0010995	VOLUME	461418.195	3776966.320	454.81
LOCATION L0010996	VOLUME	461418.231	3776974.910	454.89
LOCATION L0010997	VOLUME	461418.267	3776983.500	454.97
LOCATION L0010998	VOLUME	461418.303	3776992.090	455.19
LOCATION L0010999	VOLUME	461418.339	3777000.680	455.47
LOCATION L0011000	VOLUME	461418.375	3777009.270	455.76
LOCATION L0011001	VOLUME	461418.410	3777017.860	456.00
LOCATION L0011002	VOLUME	461418.446	3777026.450	456.00
LOCATION L0011003	VOLUME	461418.482	3777035.040	456.00
LOCATION L0011004	VOLUME	461418.518	3777043.630	456.00
LOCATION L0011005	VOLUME	461418.554	3777052.220	456.19
LOCATION L0011006	VOLUME	461418.590	3777060.809	456.48

12213 HRA

LOCATION L0011007	VOLUME	461418.626	3777069.399	456.76
LOCATION L0011008	VOLUME	461418.662	3777077.989	457.03
LOCATION L0011009	VOLUME	461418.698	3777086.579	457.23
LOCATION L0011010	VOLUME	461418.734	3777095.169	457.43
LOCATION L0011011	VOLUME	461418.770	3777103.759	457.63
LOCATION L0011012	VOLUME	461418.805	3777112.349	457.75
LOCATION L0011013	VOLUME	461418.841	3777120.939	457.84
LOCATION L0011014	VOLUME	461418.877	3777129.529	457.93
LOCATION L0011015	VOLUME	461418.913	3777138.119	458.05
LOCATION L0011016	VOLUME	461418.949	3777146.709	458.34
LOCATION L0011017	VOLUME	461418.985	3777155.299	458.63
LOCATION L0011018	VOLUME	461419.021	3777163.889	458.91
LOCATION L0011019	VOLUME	461419.057	3777172.478	459.20
LOCATION L0011020	VOLUME	461419.093	3777181.068	459.49
LOCATION L0011021	VOLUME	461419.129	3777189.658	459.77
LOCATION L0011022	VOLUME	461419.164	3777198.248	460.00
LOCATION L0011023	VOLUME	461419.200	3777206.838	460.00
LOCATION L0011024	VOLUME	461419.236	3777215.428	460.00
LOCATION L0011025	VOLUME	461419.272	3777224.018	460.00
LOCATION L0011026	VOLUME	461419.308	3777232.608	460.20
LOCATION L0011027	VOLUME	461419.344	3777241.198	460.49
LOCATION L0011028	VOLUME	461419.380	3777249.788	460.78
LOCATION L0011029	VOLUME	461419.416	3777258.378	461.06
LOCATION L0011030	VOLUME	461419.452	3777266.968	461.35
LOCATION L0011031	VOLUME	461419.488	3777275.558	461.64
LOCATION L0011032	VOLUME	461419.523	3777284.147	461.92
LOCATION L0011033	VOLUME	461419.559	3777292.737	462.00
LOCATION L0011034	VOLUME	461419.595	3777301.327	462.00
LOCATION L0011035	VOLUME	461419.631	3777309.917	462.00
LOCATION L0011036	VOLUME	461419.667	3777318.507	462.07
LOCATION L0011037	VOLUME	461419.703	3777327.097	462.35
LOCATION L0011038	VOLUME	461419.739	3777335.687	462.64
LOCATION L0011039	VOLUME	461419.775	3777344.277	462.93
LOCATION L0011040	VOLUME	461419.811	3777352.867	463.14
LOCATION L0011041	VOLUME	461419.847	3777361.457	463.33
LOCATION L0011042	VOLUME	461419.883	3777370.047	463.51
LOCATION L0011043	VOLUME	461419.918	3777378.637	463.68
LOCATION L0011044	VOLUME	461419.954	3777387.227	463.78
LOCATION L0011045	VOLUME	461419.990	3777395.817	463.88
LOCATION L0011046	VOLUME	461420.026	3777404.406	463.98
LOCATION L0011047	VOLUME	461420.062	3777412.996	464.22
LOCATION L0011048	VOLUME	461420.098	3777421.586	464.50
LOCATION L0011049	VOLUME	461420.134	3777430.176	464.79
LOCATION L0011050	VOLUME	461420.170	3777438.766	465.00
LOCATION L0011051	VOLUME	461420.206	3777447.356	465.00
LOCATION L0011052	VOLUME	461420.242	3777455.946	465.00
LOCATION L0011053	VOLUME	461420.277	3777464.536	465.00
LOCATION L0011054	VOLUME	461420.313	3777473.126	465.22

12213 HRA					
LOCATION L0011055	VOLUME	461420.349	3777481.716	465.51	
LOCATION L0011056	VOLUME	461420.385	3777490.306	465.79	
LOCATION L0011057	VOLUME	461420.421	3777498.896	466.05	
LOCATION L0011058	VOLUME	461420.457	3777507.486	466.23	
LOCATION L0011059	VOLUME	461420.493	3777516.075	466.41	
LOCATION L0011060	VOLUME	461420.529	3777524.665	466.60	
LOCATION L0011061	VOLUME	461420.565	3777533.255	466.72	
LOCATION L0011062	VOLUME	461420.601	3777541.845	466.82	
LOCATION L0011063	VOLUME	461420.636	3777550.435	466.93	
LOCATION L0011064	VOLUME	461420.672	3777559.025	467.08	
LOCATION L0011065	VOLUME	461420.708	3777567.615	467.37	
LOCATION L0011066	VOLUME	461420.744	3777576.205	467.66	
LOCATION L0011067	VOLUME	461420.780	3777584.795	467.94	
LOCATION L0011068	VOLUME	461420.816	3777593.385	468.14	
LOCATION L0011069	VOLUME	461420.852	3777601.975	468.32	
LOCATION L0011070	VOLUME	461420.888	3777610.565	468.50	
** END OF LINE VOLUME SOURCE ID = SLINE4					
** -----					
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES					
** LINE VOLUME SOURCE ID = SLINE6					
** DESCRSRC 50% OUTBOUND (SIERRA AVE.)					
** PREFIX					
** LENGTH OF SIDE = 8.59					
** CONFIGURATION = ADJACENT					
** EMISSION RATE = 0.00001926					
** VERTICAL DIMENSION = 6.99					
** SZINIT = 3.25					
** NODES = 9					
** 460842.299, 3775693.467, 431.00, 3.49, 4.00					
** 460595.734, 3775695.299, 431.00, 3.49, 4.00					
** 460191.173, 3775703.444, 431.93, 3.49, 4.00					
** 459806.696, 3775706.970, 431.00, 3.49, 4.00					
** 459794.908, 3775973.059, 436.96, 3.49, 4.00					
** 459796.592, 3776439.558, 446.00, 3.49, 4.00					
** 459802.559, 3777050.899, 460.00, 3.49, 4.00					
** 459801.664, 3777231.812, 464.93, 3.49, 4.00					
** 459803.455, 3777504.974, 470.92, 3.49, 4.00					
** -----					
LOCATION L0011071	VOLUME	460838.004	3775693.499	431.00	
LOCATION L0011072	VOLUME	460829.414	3775693.563	431.00	
LOCATION L0011073	VOLUME	460820.824	3775693.627	431.00	
LOCATION L0011074	VOLUME	460812.235	3775693.690	431.00	
LOCATION L0011075	VOLUME	460803.645	3775693.754	431.00	
LOCATION L0011076	VOLUME	460795.055	3775693.818	431.00	
LOCATION L0011077	VOLUME	460786.465	3775693.882	431.00	
LOCATION L0011078	VOLUME	460777.876	3775693.946	431.00	
LOCATION L0011079	VOLUME	460769.286	3775694.010	431.00	
LOCATION L0011080	VOLUME	460760.696	3775694.073	431.00	

12213 HRA

LOCATION L0011081	VOLUME	460752.106	3775694.137	431.00
LOCATION L0011082	VOLUME	460743.516	3775694.201	431.00
LOCATION L0011083	VOLUME	460734.927	3775694.265	431.00
LOCATION L0011084	VOLUME	460726.337	3775694.329	431.00
LOCATION L0011085	VOLUME	460717.747	3775694.393	431.00
LOCATION L0011086	VOLUME	460709.157	3775694.456	431.00
LOCATION L0011087	VOLUME	460700.568	3775694.520	431.00
LOCATION L0011088	VOLUME	460691.978	3775694.584	431.00
LOCATION L0011089	VOLUME	460683.388	3775694.648	431.00
LOCATION L0011090	VOLUME	460674.798	3775694.712	431.00
LOCATION L0011091	VOLUME	460666.209	3775694.776	431.00
LOCATION L0011092	VOLUME	460657.619	3775694.840	431.00
LOCATION L0011093	VOLUME	460649.029	3775694.903	431.00
LOCATION L0011094	VOLUME	460640.439	3775694.967	431.00
LOCATION L0011095	VOLUME	460631.850	3775695.031	431.00
LOCATION L0011096	VOLUME	460623.260	3775695.095	431.00
LOCATION L0011097	VOLUME	460614.670	3775695.159	431.00
LOCATION L0011098	VOLUME	460606.080	3775695.223	431.00
LOCATION L0011099	VOLUME	460597.491	3775695.286	431.00
LOCATION L0011100	VOLUME	460588.902	3775695.437	431.00
LOCATION L0011101	VOLUME	460580.314	3775695.610	431.00
LOCATION L0011102	VOLUME	460571.725	3775695.783	431.00
LOCATION L0011103	VOLUME	460563.137	3775695.956	431.21
LOCATION L0011104	VOLUME	460554.549	3775696.129	431.50
LOCATION L0011105	VOLUME	460545.961	3775696.301	431.79
LOCATION L0011106	VOLUME	460537.372	3775696.474	432.00
LOCATION L0011107	VOLUME	460528.784	3775696.647	432.00
LOCATION L0011108	VOLUME	460520.196	3775696.820	432.00
LOCATION L0011109	VOLUME	460511.608	3775696.993	432.00
LOCATION L0011110	VOLUME	460503.019	3775697.166	432.01
LOCATION L0011111	VOLUME	460494.431	3775697.339	432.02
LOCATION L0011112	VOLUME	460485.843	3775697.512	432.03
LOCATION L0011113	VOLUME	460477.255	3775697.685	432.05
LOCATION L0011114	VOLUME	460468.666	3775697.857	432.05
LOCATION L0011115	VOLUME	460460.078	3775698.030	432.06
LOCATION L0011116	VOLUME	460451.490	3775698.203	432.06
LOCATION L0011117	VOLUME	460442.902	3775698.376	432.05
LOCATION L0011118	VOLUME	460434.313	3775698.549	432.04
LOCATION L0011119	VOLUME	460425.725	3775698.722	432.02
LOCATION L0011120	VOLUME	460417.137	3775698.895	432.00
LOCATION L0011121	VOLUME	460408.548	3775699.068	432.00
LOCATION L0011122	VOLUME	460399.960	3775699.241	432.00
LOCATION L0011123	VOLUME	460391.372	3775699.413	432.00
LOCATION L0011124	VOLUME	460382.784	3775699.586	432.00
LOCATION L0011125	VOLUME	460374.195	3775699.759	432.00
LOCATION L0011126	VOLUME	460365.607	3775699.932	432.00
LOCATION L0011127	VOLUME	460357.019	3775700.105	432.00
LOCATION L0011128	VOLUME	460348.431	3775700.278	432.00

12213 HRA

LOCATION L0011129	VOLUME	460339.842	3775700.451	432.00
LOCATION L0011130	VOLUME	460331.254	3775700.624	432.00
LOCATION L0011131	VOLUME	460322.666	3775700.797	432.00
LOCATION L0011132	VOLUME	460314.078	3775700.969	432.00
LOCATION L0011133	VOLUME	460305.489	3775701.142	432.00
LOCATION L0011134	VOLUME	460296.901	3775701.315	432.00
LOCATION L0011135	VOLUME	460288.313	3775701.488	432.00
LOCATION L0011136	VOLUME	460279.725	3775701.661	432.00
LOCATION L0011137	VOLUME	460271.136	3775701.834	432.00
LOCATION L0011138	VOLUME	460262.548	3775702.007	432.00
LOCATION L0011139	VOLUME	460253.960	3775702.180	432.00
LOCATION L0011140	VOLUME	460245.372	3775702.353	432.00
LOCATION L0011141	VOLUME	460236.783	3775702.525	432.02
LOCATION L0011142	VOLUME	460228.195	3775702.698	432.08
LOCATION L0011143	VOLUME	460219.607	3775702.871	432.15
LOCATION L0011144	VOLUME	460211.019	3775703.044	432.21
LOCATION L0011145	VOLUME	460202.430	3775703.217	432.23
LOCATION L0011146	VOLUME	460193.842	3775703.390	432.24
LOCATION L0011147	VOLUME	460185.253	3775703.498	432.24
LOCATION L0011148	VOLUME	460176.663	3775703.577	432.24
LOCATION L0011149	VOLUME	460168.074	3775703.655	432.24
LOCATION L0011150	VOLUME	460159.484	3775703.734	432.25
LOCATION L0011151	VOLUME	460150.894	3775703.813	432.25
LOCATION L0011152	VOLUME	460142.305	3775703.892	432.25
LOCATION L0011153	VOLUME	460133.715	3775703.971	432.25
LOCATION L0011154	VOLUME	460125.125	3775704.049	432.26
LOCATION L0011155	VOLUME	460116.536	3775704.128	432.26
LOCATION L0011156	VOLUME	460107.946	3775704.207	432.26
LOCATION L0011157	VOLUME	460099.356	3775704.286	432.27
LOCATION L0011158	VOLUME	460090.767	3775704.364	432.27
LOCATION L0011159	VOLUME	460082.177	3775704.443	432.20
LOCATION L0011160	VOLUME	460073.587	3775704.522	432.13
LOCATION L0011161	VOLUME	460064.998	3775704.601	432.05
LOCATION L0011162	VOLUME	460056.408	3775704.680	432.00
LOCATION L0011163	VOLUME	460047.819	3775704.758	432.00
LOCATION L0011164	VOLUME	460039.229	3775704.837	432.00
LOCATION L0011165	VOLUME	460030.639	3775704.916	432.00
LOCATION L0011166	VOLUME	460022.050	3775704.995	432.00
LOCATION L0011167	VOLUME	460013.460	3775705.073	432.00
LOCATION L0011168	VOLUME	460004.870	3775705.152	432.00
LOCATION L0011169	VOLUME	459996.281	3775705.231	431.92
LOCATION L0011170	VOLUME	459987.691	3775705.310	431.72
LOCATION L0011171	VOLUME	459979.101	3775705.389	431.52
LOCATION L0011172	VOLUME	459970.512	3775705.467	431.32
LOCATION L0011173	VOLUME	459961.922	3775705.546	431.31
LOCATION L0011174	VOLUME	459953.333	3775705.625	431.31
LOCATION L0011175	VOLUME	459944.743	3775705.704	431.31
LOCATION L0011176	VOLUME	459936.153	3775705.782	431.31

12213 HRA

LOCATION L0011177	VOLUME	459927.564	3775705.861	431.32
LOCATION L0011178	VOLUME	459918.974	3775705.940	431.32
LOCATION L0011179	VOLUME	459910.384	3775706.019	431.32
LOCATION L0011180	VOLUME	459901.795	3775706.098	431.33
LOCATION L0011181	VOLUME	459893.205	3775706.176	431.33
LOCATION L0011182	VOLUME	459884.615	3775706.255	431.33
LOCATION L0011183	VOLUME	459876.026	3775706.334	431.33
LOCATION L0011184	VOLUME	459867.436	3775706.413	431.34
LOCATION L0011185	VOLUME	459858.847	3775706.491	431.34
LOCATION L0011186	VOLUME	459850.257	3775706.570	431.34
LOCATION L0011187	VOLUME	459841.667	3775706.649	431.34
LOCATION L0011188	VOLUME	459833.078	3775706.728	431.35
LOCATION L0011189	VOLUME	459824.488	3775706.807	431.35
LOCATION L0011190	VOLUME	459815.898	3775706.885	431.35
LOCATION L0011191	VOLUME	459807.309	3775706.964	431.35
LOCATION L0011192	VOLUME	459806.343	3775714.940	431.62
LOCATION L0011193	VOLUME	459805.963	3775723.521	431.91
LOCATION L0011194	VOLUME	459805.583	3775732.103	432.19
LOCATION L0011195	VOLUME	459805.203	3775740.684	432.48
LOCATION L0011196	VOLUME	459804.823	3775749.266	432.76
LOCATION L0011197	VOLUME	459804.442	3775757.847	433.00
LOCATION L0011198	VOLUME	459804.062	3775766.429	433.00
LOCATION L0011199	VOLUME	459803.682	3775775.011	433.00
LOCATION L0011200	VOLUME	459803.302	3775783.592	433.00
LOCATION L0011201	VOLUME	459802.922	3775792.174	433.19
LOCATION L0011202	VOLUME	459802.541	3775800.755	433.48
LOCATION L0011203	VOLUME	459802.161	3775809.337	433.77
LOCATION L0011204	VOLUME	459801.781	3775817.919	434.00
LOCATION L0011205	VOLUME	459801.401	3775826.500	434.00
LOCATION L0011206	VOLUME	459801.021	3775835.082	434.00
LOCATION L0011207	VOLUME	459800.640	3775843.663	434.00
LOCATION L0011208	VOLUME	459800.260	3775852.245	434.20
LOCATION L0011209	VOLUME	459799.880	3775860.826	434.48
LOCATION L0011210	VOLUME	459799.500	3775869.408	434.77
LOCATION L0011211	VOLUME	459799.120	3775877.990	435.06
LOCATION L0011212	VOLUME	459798.739	3775886.571	435.34
LOCATION L0011213	VOLUME	459798.359	3775895.153	435.63
LOCATION L0011214	VOLUME	459797.979	3775903.734	435.91
LOCATION L0011215	VOLUME	459797.599	3775912.316	436.00
LOCATION L0011216	VOLUME	459797.219	3775920.898	436.00
LOCATION L0011217	VOLUME	459796.838	3775929.479	436.00
LOCATION L0011218	VOLUME	459796.458	3775938.061	436.06
LOCATION L0011219	VOLUME	459796.078	3775946.642	436.34
LOCATION L0011220	VOLUME	459795.698	3775955.224	436.63
LOCATION L0011221	VOLUME	459795.318	3775963.805	436.92
LOCATION L0011222	VOLUME	459794.937	3775972.387	437.00
LOCATION L0011223	VOLUME	459794.936	3775980.976	437.00
LOCATION L0011224	VOLUME	459794.967	3775989.566	437.00

12213 HRA

LOCATION L0011225	VOLUME	459794.998	3775998.156	437.06
LOCATION L0011226	VOLUME	459795.029	3776006.746	437.35
LOCATION L0011227	VOLUME	459795.060	3776015.336	437.63
LOCATION L0011228	VOLUME	459795.091	3776023.926	437.92
LOCATION L0011229	VOLUME	459795.122	3776032.516	438.21
LOCATION L0011230	VOLUME	459795.153	3776041.106	438.49
LOCATION L0011231	VOLUME	459795.184	3776049.696	438.78
LOCATION L0011232	VOLUME	459795.215	3776058.286	439.00
LOCATION L0011233	VOLUME	459795.246	3776066.876	439.00
LOCATION L0011234	VOLUME	459795.277	3776075.466	439.00
LOCATION L0011235	VOLUME	459795.308	3776084.056	439.00
LOCATION L0011236	VOLUME	459795.339	3776092.646	439.00
LOCATION L0011237	VOLUME	459795.370	3776101.236	439.00
LOCATION L0011238	VOLUME	459795.401	3776109.825	439.00
LOCATION L0011239	VOLUME	459795.432	3776118.415	439.06
LOCATION L0011240	VOLUME	459795.463	3776127.005	439.35
LOCATION L0011241	VOLUME	459795.494	3776135.595	439.63
LOCATION L0011242	VOLUME	459795.525	3776144.185	439.92
LOCATION L0011243	VOLUME	459795.556	3776152.775	440.00
LOCATION L0011244	VOLUME	459795.587	3776161.365	440.00
LOCATION L0011245	VOLUME	459795.618	3776169.955	440.00
LOCATION L0011246	VOLUME	459795.649	3776178.545	440.07
LOCATION L0011247	VOLUME	459795.680	3776187.135	440.35
LOCATION L0011248	VOLUME	459795.711	3776195.725	440.64
LOCATION L0011249	VOLUME	459795.742	3776204.315	440.93
LOCATION L0011250	VOLUME	459795.773	3776212.905	441.21
LOCATION L0011251	VOLUME	459795.805	3776221.495	441.50
LOCATION L0011252	VOLUME	459795.836	3776230.085	441.78
LOCATION L0011253	VOLUME	459795.867	3776238.675	442.00
LOCATION L0011254	VOLUME	459795.898	3776247.265	442.00
LOCATION L0011255	VOLUME	459795.929	3776255.855	442.00
LOCATION L0011256	VOLUME	459795.960	3776264.444	442.00
LOCATION L0011257	VOLUME	459795.991	3776273.034	442.22
LOCATION L0011258	VOLUME	459796.022	3776281.624	442.50
LOCATION L0011259	VOLUME	459796.053	3776290.214	442.79
LOCATION L0011260	VOLUME	459796.084	3776298.804	443.08
LOCATION L0011261	VOLUME	459796.115	3776307.394	443.36
LOCATION L0011262	VOLUME	459796.146	3776315.984	443.65
LOCATION L0011263	VOLUME	459796.177	3776324.574	443.93
LOCATION L0011264	VOLUME	459796.208	3776333.164	444.05
LOCATION L0011265	VOLUME	459796.239	3776341.754	444.11
LOCATION L0011266	VOLUME	459796.270	3776350.344	444.18
LOCATION L0011267	VOLUME	459796.301	3776358.934	444.29
LOCATION L0011268	VOLUME	459796.332	3776367.524	444.51
LOCATION L0011269	VOLUME	459796.363	3776376.114	444.73
LOCATION L0011270	VOLUME	459796.394	3776384.704	444.95
LOCATION L0011271	VOLUME	459796.425	3776393.294	445.22
LOCATION L0011272	VOLUME	459796.456	3776401.884	445.51

12213 HRA

LOCATION L0011273	VOLUME	459796.487	3776410.474	445.80
LOCATION L0011274	VOLUME	459796.518	3776419.063	446.00
LOCATION L0011275	VOLUME	459796.549	3776427.653	446.00
LOCATION L0011276	VOLUME	459796.580	3776436.243	446.00
LOCATION L0011277	VOLUME	459796.643	3776444.833	446.00
LOCATION L0011278	VOLUME	459796.727	3776453.423	446.23
LOCATION L0011279	VOLUME	459796.811	3776462.012	446.52
LOCATION L0011280	VOLUME	459796.895	3776470.602	446.80
LOCATION L0011281	VOLUME	459796.979	3776479.191	447.09
LOCATION L0011282	VOLUME	459797.062	3776487.781	447.37
LOCATION L0011283	VOLUME	459797.146	3776496.371	447.66
LOCATION L0011284	VOLUME	459797.230	3776504.960	447.95
LOCATION L0011285	VOLUME	459797.314	3776513.550	448.00
LOCATION L0011286	VOLUME	459797.398	3776522.139	448.00
LOCATION L0011287	VOLUME	459797.482	3776530.729	448.00
LOCATION L0011288	VOLUME	459797.566	3776539.319	448.09
LOCATION L0011289	VOLUME	459797.649	3776547.908	448.38
LOCATION L0011290	VOLUME	459797.733	3776556.498	448.67
LOCATION L0011291	VOLUME	459797.817	3776565.087	448.95
LOCATION L0011292	VOLUME	459797.901	3776573.677	449.24
LOCATION L0011293	VOLUME	459797.985	3776582.267	449.52
LOCATION L0011294	VOLUME	459798.069	3776590.856	449.81
LOCATION L0011295	VOLUME	459798.153	3776599.446	450.00
LOCATION L0011296	VOLUME	459798.236	3776608.035	450.00
LOCATION L0011297	VOLUME	459798.320	3776616.625	450.00
LOCATION L0011298	VOLUME	459798.404	3776625.214	450.00
LOCATION L0011299	VOLUME	459798.488	3776633.804	450.24
LOCATION L0011300	VOLUME	459798.572	3776642.394	450.53
LOCATION L0011301	VOLUME	459798.656	3776650.983	450.81
LOCATION L0011302	VOLUME	459798.739	3776659.573	451.10
LOCATION L0011303	VOLUME	459798.823	3776668.162	451.39
LOCATION L0011304	VOLUME	459798.907	3776676.752	451.67
LOCATION L0011305	VOLUME	459798.991	3776685.342	451.96
LOCATION L0011306	VOLUME	459799.075	3776693.931	452.00
LOCATION L0011307	VOLUME	459799.159	3776702.521	452.00
LOCATION L0011308	VOLUME	459799.243	3776711.110	452.00
LOCATION L0011309	VOLUME	459799.326	3776719.700	452.11
LOCATION L0011310	VOLUME	459799.410	3776728.290	452.39
LOCATION L0011311	VOLUME	459799.494	3776736.879	452.68
LOCATION L0011312	VOLUME	459799.578	3776745.469	452.96
LOCATION L0011313	VOLUME	459799.662	3776754.058	453.25
LOCATION L0011314	VOLUME	459799.746	3776762.648	453.54
LOCATION L0011315	VOLUME	459799.829	3776771.238	453.82
LOCATION L0011316	VOLUME	459799.913	3776779.827	454.04
LOCATION L0011317	VOLUME	459799.997	3776788.417	454.14
LOCATION L0011318	VOLUME	459800.081	3776797.006	454.24
LOCATION L0011319	VOLUME	459800.165	3776805.596	454.34
LOCATION L0011320	VOLUME	459800.249	3776814.185	454.52

12213 HRA

LOCATION L0011321	VOLUME	459800.333	3776822.775	454.71
LOCATION L0011322	VOLUME	459800.416	3776831.365	454.89
LOCATION L0011323	VOLUME	459800.500	3776839.954	455.11
LOCATION L0011324	VOLUME	459800.584	3776848.544	455.40
LOCATION L0011325	VOLUME	459800.668	3776857.133	455.69
LOCATION L0011326	VOLUME	459800.752	3776865.723	455.97
LOCATION L0011327	VOLUME	459800.836	3776874.313	456.26
LOCATION L0011328	VOLUME	459800.920	3776882.902	456.55
LOCATION L0011329	VOLUME	459801.003	3776891.492	456.83
LOCATION L0011330	VOLUME	459801.087	3776900.081	457.12
LOCATION L0011331	VOLUME	459801.171	3776908.671	457.40
LOCATION L0011332	VOLUME	459801.255	3776917.261	457.69
LOCATION L0011333	VOLUME	459801.339	3776925.850	457.98
LOCATION L0011334	VOLUME	459801.423	3776934.440	458.00
LOCATION L0011335	VOLUME	459801.506	3776943.029	458.00
LOCATION L0011336	VOLUME	459801.590	3776951.619	458.00
LOCATION L0011337	VOLUME	459801.674	3776960.209	458.12
LOCATION L0011338	VOLUME	459801.758	3776968.798	458.41
LOCATION L0011339	VOLUME	459801.842	3776977.388	458.70
LOCATION L0011340	VOLUME	459801.926	3776985.977	458.98
LOCATION L0011341	VOLUME	459802.010	3776994.567	459.27
LOCATION L0011342	VOLUME	459802.093	3777003.156	459.55
LOCATION L0011343	VOLUME	459802.177	3777011.746	459.84
LOCATION L0011344	VOLUME	459802.261	3777020.336	460.00
LOCATION L0011345	VOLUME	459802.345	3777028.925	460.00
LOCATION L0011346	VOLUME	459802.429	3777037.515	460.00
LOCATION L0011347	VOLUME	459802.513	3777046.104	460.00
LOCATION L0011348	VOLUME	459802.541	3777054.694	460.27
LOCATION L0011349	VOLUME	459802.498	3777063.284	460.56
LOCATION L0011350	VOLUME	459802.456	3777071.874	460.84
LOCATION L0011351	VOLUME	459802.413	3777080.464	461.13
LOCATION L0011352	VOLUME	459802.371	3777089.054	461.42
LOCATION L0011353	VOLUME	459802.328	3777097.644	461.70
LOCATION L0011354	VOLUME	459802.286	3777106.234	461.99
LOCATION L0011355	VOLUME	459802.243	3777114.823	462.28
LOCATION L0011356	VOLUME	459802.200	3777123.413	462.56
LOCATION L0011357	VOLUME	459802.158	3777132.003	462.85
LOCATION L0011358	VOLUME	459802.115	3777140.593	463.00
LOCATION L0011359	VOLUME	459802.073	3777149.183	463.00
LOCATION L0011360	VOLUME	459802.030	3777157.773	463.00
LOCATION L0011361	VOLUME	459801.988	3777166.363	463.00
LOCATION L0011362	VOLUME	459801.945	3777174.953	463.28
LOCATION L0011363	VOLUME	459801.903	3777183.543	463.57
LOCATION L0011364	VOLUME	459801.860	3777192.132	463.85
LOCATION L0011365	VOLUME	459801.818	3777200.722	464.14
LOCATION L0011366	VOLUME	459801.775	3777209.312	464.43
LOCATION L0011367	VOLUME	459801.733	3777217.902	464.71
LOCATION L0011368	VOLUME	459801.690	3777226.492	465.00

12213 HRA					
LOCATION L0011369	VOLUME	459801.685	3777235.082	465.12	
LOCATION L0011370	VOLUME	459801.742	3777243.672	465.23	
LOCATION L0011371	VOLUME	459801.798	3777252.262	465.35	
LOCATION L0011372	VOLUME	459801.854	3777260.851	465.50	
LOCATION L0011373	VOLUME	459801.911	3777269.441	465.67	
LOCATION L0011374	VOLUME	459801.967	3777278.031	465.83	
LOCATION L0011375	VOLUME	459802.023	3777286.621	466.00	
LOCATION L0011376	VOLUME	459802.080	3777295.211	466.29	
LOCATION L0011377	VOLUME	459802.136	3777303.800	466.58	
LOCATION L0011378	VOLUME	459802.192	3777312.390	466.86	
LOCATION L0011379	VOLUME	459802.249	3777320.980	467.15	
LOCATION L0011380	VOLUME	459802.305	3777329.570	467.43	
LOCATION L0011381	VOLUME	459802.361	3777338.160	467.72	
LOCATION L0011382	VOLUME	459802.418	3777346.749	468.00	
LOCATION L0011383	VOLUME	459802.474	3777355.339	468.00	
LOCATION L0011384	VOLUME	459802.530	3777363.929	468.00	
LOCATION L0011385	VOLUME	459802.586	3777372.519	468.00	
LOCATION L0011386	VOLUME	459802.643	3777381.109	468.15	
LOCATION L0011387	VOLUME	459802.699	3777389.699	468.44	
LOCATION L0011388	VOLUME	459802.755	3777398.288	468.73	
LOCATION L0011389	VOLUME	459802.812	3777406.878	469.00	
LOCATION L0011390	VOLUME	459802.868	3777415.468	469.00	
LOCATION L0011391	VOLUME	459802.924	3777424.058	469.00	
LOCATION L0011392	VOLUME	459802.981	3777432.648	469.00	
LOCATION L0011393	VOLUME	459803.037	3777441.237	469.16	
LOCATION L0011394	VOLUME	459803.093	3777449.827	469.44	
LOCATION L0011395	VOLUME	459803.150	3777458.417	469.73	
LOCATION L0011396	VOLUME	459803.206	3777467.007	470.02	
LOCATION L0011397	VOLUME	459803.262	3777475.597	470.30	
LOCATION L0011398	VOLUME	459803.319	3777484.187	470.59	
LOCATION L0011399	VOLUME	459803.375	3777492.776	470.87	
LOCATION L0011400	VOLUME	459803.431	3777501.366	471.00	
** END OF LINE VOLUME SOURCE ID = SLINE6					
** -----					
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES					
** LINE VOLUME SOURCE ID = SLINE7					
** DESCRSRC 50% OUTBOUND (PALMETTO AVE.)					
** PREFIX					
** LENGTH OF SIDE = 8.59					
** CONFIGURATION = ADJACENT					
** EMISSION RATE = 0.00001239					
** VERTICAL DIMENSION = 6.99					
** SZINIT = 3.25					
** NODES = 5					
** 460842.299, 3775693.467, 431.00, 3.49, 4.00					
** 460595.734, 3775695.299, 431.00, 3.49, 4.00					
** 460597.862, 3775707.519, 431.00, 3.49, 4.00					
** 460599.698, 3775877.220, 435.00, 3.49, 4.00					

12213 HRA

** 460606.352, 3777271.888, 465.49, 3.49, 4.00

** -----

LOCATION L0011401	VOLUME	460838.004	3775693.499	431.00
LOCATION L0011402	VOLUME	460829.414	3775693.563	431.00
LOCATION L0011403	VOLUME	460820.824	3775693.627	431.00
LOCATION L0011404	VOLUME	460812.235	3775693.690	431.00
LOCATION L0011405	VOLUME	460803.645	3775693.754	431.00
LOCATION L0011406	VOLUME	460795.055	3775693.818	431.00
LOCATION L0011407	VOLUME	460786.465	3775693.882	431.00
LOCATION L0011408	VOLUME	460777.876	3775693.946	431.00
LOCATION L0011409	VOLUME	460769.286	3775694.010	431.00
LOCATION L0011410	VOLUME	460760.696	3775694.073	431.00
LOCATION L0011411	VOLUME	460752.106	3775694.137	431.00
LOCATION L0011412	VOLUME	460743.516	3775694.201	431.00
LOCATION L0011413	VOLUME	460734.927	3775694.265	431.00
LOCATION L0011414	VOLUME	460726.337	3775694.329	431.00
LOCATION L0011415	VOLUME	460717.747	3775694.393	431.00
LOCATION L0011416	VOLUME	460709.157	3775694.456	431.00
LOCATION L0011417	VOLUME	460700.568	3775694.520	431.00
LOCATION L0011418	VOLUME	460691.978	3775694.584	431.00
LOCATION L0011419	VOLUME	460683.388	3775694.648	431.00
LOCATION L0011420	VOLUME	460674.798	3775694.712	431.00
LOCATION L0011421	VOLUME	460666.209	3775694.776	431.00
LOCATION L0011422	VOLUME	460657.619	3775694.840	431.00
LOCATION L0011423	VOLUME	460649.029	3775694.903	431.00
LOCATION L0011424	VOLUME	460640.439	3775694.967	431.00
LOCATION L0011425	VOLUME	460631.850	3775695.031	431.00
LOCATION L0011426	VOLUME	460623.260	3775695.095	431.00
LOCATION L0011427	VOLUME	460614.670	3775695.159	431.00
LOCATION L0011428	VOLUME	460606.080	3775695.223	431.00
LOCATION L0011429	VOLUME	460597.491	3775695.286	431.00
LOCATION L0011430	VOLUME	460596.907	3775702.032	431.19
LOCATION L0011431	VOLUME	460597.894	3775710.539	431.47
LOCATION L0011432	VOLUME	460597.987	3775719.129	431.76
LOCATION L0011433	VOLUME	460598.080	3775727.718	432.00
LOCATION L0011434	VOLUME	460598.173	3775736.308	432.02
LOCATION L0011435	VOLUME	460598.266	3775744.897	432.03
LOCATION L0011436	VOLUME	460598.359	3775753.487	432.04
LOCATION L0011437	VOLUME	460598.452	3775762.076	432.22
LOCATION L0011438	VOLUME	460598.545	3775770.666	432.50
LOCATION L0011439	VOLUME	460598.638	3775779.255	432.77
LOCATION L0011440	VOLUME	460598.731	3775787.845	433.00
LOCATION L0011441	VOLUME	460598.824	3775796.434	433.01
LOCATION L0011442	VOLUME	460598.917	3775805.024	433.01
LOCATION L0011443	VOLUME	460599.010	3775813.613	433.02
LOCATION L0011444	VOLUME	460599.103	3775822.203	433.21
LOCATION L0011445	VOLUME	460599.196	3775830.792	433.49
LOCATION L0011446	VOLUME	460599.289	3775839.382	433.77

12213 HRA

LOCATION L0011447	VOLUME	460599.382	3775847.971	434.05
LOCATION L0011448	VOLUME	460599.475	3775856.561	434.34
LOCATION L0011449	VOLUME	460599.568	3775865.150	434.63
LOCATION L0011450	VOLUME	460599.660	3775873.740	434.91
LOCATION L0011451	VOLUME	460599.723	3775882.329	435.00
LOCATION L0011452	VOLUME	460599.764	3775890.919	435.00
LOCATION L0011453	VOLUME	460599.804	3775899.509	435.00
LOCATION L0011454	VOLUME	460599.845	3775908.099	435.06
LOCATION L0011455	VOLUME	460599.886	3775916.689	435.35
LOCATION L0011456	VOLUME	460599.927	3775925.279	435.63
LOCATION L0011457	VOLUME	460599.968	3775933.869	435.92
LOCATION L0011458	VOLUME	460600.009	3775942.459	436.20
LOCATION L0011459	VOLUME	460600.050	3775951.049	436.49
LOCATION L0011460	VOLUME	460600.091	3775959.639	436.78
LOCATION L0011461	VOLUME	460600.132	3775968.228	437.00
LOCATION L0011462	VOLUME	460600.173	3775976.818	437.00
LOCATION L0011463	VOLUME	460600.214	3775985.408	437.00
LOCATION L0011464	VOLUME	460600.255	3775993.998	437.00
LOCATION L0011465	VOLUME	460600.296	3776002.588	437.21
LOCATION L0011466	VOLUME	460600.337	3776011.178	437.49
LOCATION L0011467	VOLUME	460600.378	3776019.768	437.78
LOCATION L0011468	VOLUME	460600.419	3776028.358	438.00
LOCATION L0011469	VOLUME	460600.460	3776036.948	438.00
LOCATION L0011470	VOLUME	460600.501	3776045.538	438.00
LOCATION L0011471	VOLUME	460600.542	3776054.127	438.00
LOCATION L0011472	VOLUME	460600.583	3776062.717	438.21
LOCATION L0011473	VOLUME	460600.624	3776071.307	438.50
LOCATION L0011474	VOLUME	460600.665	3776079.897	438.79
LOCATION L0011475	VOLUME	460600.706	3776088.487	439.00
LOCATION L0011476	VOLUME	460600.747	3776097.077	439.00
LOCATION L0011477	VOLUME	460600.788	3776105.667	440.00
LOCATION L0011478	VOLUME	460600.829	3776114.257	440.00
LOCATION L0011479	VOLUME	460600.870	3776122.847	440.00
LOCATION L0011480	VOLUME	460600.911	3776131.437	440.00
LOCATION L0011481	VOLUME	460600.952	3776140.027	440.00
LOCATION L0011482	VOLUME	460600.993	3776148.616	440.07
LOCATION L0011483	VOLUME	460601.034	3776157.206	440.36
LOCATION L0011484	VOLUME	460601.075	3776165.796	440.64
LOCATION L0011485	VOLUME	460601.116	3776174.386	440.93
LOCATION L0011486	VOLUME	460601.157	3776182.976	441.00
LOCATION L0011487	VOLUME	460601.198	3776191.566	441.00
LOCATION L0011488	VOLUME	460601.239	3776200.156	441.00
LOCATION L0011489	VOLUME	460601.280	3776208.746	441.07
LOCATION L0011490	VOLUME	460601.321	3776217.336	441.36
LOCATION L0011491	VOLUME	460601.362	3776225.926	441.65
LOCATION L0011492	VOLUME	460601.403	3776234.515	441.93
LOCATION L0011493	VOLUME	460601.444	3776243.105	442.00
LOCATION L0011494	VOLUME	460601.485	3776251.695	442.00

12213 HRA

LOCATION L0011495	VOLUME	460601.526	3776260.285	442.00
LOCATION L0011496	VOLUME	460601.567	3776268.875	442.08
LOCATION L0011497	VOLUME	460601.608	3776277.465	442.36
LOCATION L0011498	VOLUME	460601.649	3776286.055	442.65
LOCATION L0011499	VOLUME	460601.690	3776294.645	442.94
LOCATION L0011500	VOLUME	460601.731	3776303.235	443.22
LOCATION L0011501	VOLUME	460601.772	3776311.825	443.51
LOCATION L0011502	VOLUME	460601.813	3776320.414	443.80
LOCATION L0011503	VOLUME	460601.854	3776329.004	444.00
LOCATION L0011504	VOLUME	460601.895	3776337.594	444.00
LOCATION L0011505	VOLUME	460601.935	3776346.184	444.00
LOCATION L0011506	VOLUME	460601.976	3776354.774	444.00
LOCATION L0011507	VOLUME	460602.017	3776363.364	444.23
LOCATION L0011508	VOLUME	460602.058	3776371.954	444.51
LOCATION L0011509	VOLUME	460602.099	3776380.544	444.80
LOCATION L0011510	VOLUME	460602.140	3776389.134	445.09
LOCATION L0011511	VOLUME	460602.181	3776397.724	445.37
LOCATION L0011512	VOLUME	460602.222	3776406.313	445.66
LOCATION L0011513	VOLUME	460602.263	3776414.903	445.95
LOCATION L0011514	VOLUME	460602.304	3776423.493	446.00
LOCATION L0011515	VOLUME	460602.345	3776432.083	446.00
LOCATION L0011516	VOLUME	460602.386	3776440.673	446.00
LOCATION L0011517	VOLUME	460602.427	3776449.263	446.09
LOCATION L0011518	VOLUME	460602.468	3776457.853	446.38
LOCATION L0011519	VOLUME	460602.509	3776466.443	446.66
LOCATION L0011520	VOLUME	460602.550	3776475.033	446.95
LOCATION L0011521	VOLUME	460602.591	3776483.623	447.00
LOCATION L0011522	VOLUME	460602.632	3776492.212	447.00
LOCATION L0011523	VOLUME	460602.673	3776500.802	447.00
LOCATION L0011524	VOLUME	460602.714	3776509.392	447.10
LOCATION L0011525	VOLUME	460602.755	3776517.982	447.38
LOCATION L0011526	VOLUME	460602.796	3776526.572	447.67
LOCATION L0011527	VOLUME	460602.837	3776535.162	447.95
LOCATION L0011528	VOLUME	460602.878	3776543.752	448.24
LOCATION L0011529	VOLUME	460602.919	3776552.342	448.53
LOCATION L0011530	VOLUME	460602.960	3776560.932	448.81
LOCATION L0011531	VOLUME	460603.001	3776569.522	449.10
LOCATION L0011532	VOLUME	460603.042	3776578.112	449.39
LOCATION L0011533	VOLUME	460603.083	3776586.701	449.67
LOCATION L0011534	VOLUME	460603.124	3776595.291	449.96
LOCATION L0011535	VOLUME	460603.165	3776603.881	450.22
LOCATION L0011536	VOLUME	460603.206	3776612.471	450.47
LOCATION L0011537	VOLUME	460603.247	3776621.061	450.72
LOCATION L0011538	VOLUME	460603.288	3776629.651	450.89
LOCATION L0011539	VOLUME	460603.329	3776638.241	450.92
LOCATION L0011540	VOLUME	460603.370	3776646.831	450.96
LOCATION L0011541	VOLUME	460603.411	3776655.421	451.00
LOCATION L0011542	VOLUME	460603.452	3776664.011	451.25

12213 HRA

LOCATION L0011543	VOLUME	460603.493	3776672.600	451.54
LOCATION L0011544	VOLUME	460603.534	3776681.190	451.82
LOCATION L0011545	VOLUME	460603.575	3776689.780	452.00
LOCATION L0011546	VOLUME	460603.616	3776698.370	452.00
LOCATION L0011547	VOLUME	460603.657	3776706.960	452.00
LOCATION L0011548	VOLUME	460603.698	3776715.550	452.00
LOCATION L0011549	VOLUME	460603.739	3776724.140	452.25
LOCATION L0011550	VOLUME	460603.780	3776732.730	452.54
LOCATION L0011551	VOLUME	460603.821	3776741.320	452.83
LOCATION L0011552	VOLUME	460603.862	3776749.910	453.11
LOCATION L0011553	VOLUME	460603.903	3776758.499	453.40
LOCATION L0011554	VOLUME	460603.944	3776767.089	453.69
LOCATION L0011555	VOLUME	460603.985	3776775.679	453.97
LOCATION L0011556	VOLUME	460604.026	3776784.269	454.00
LOCATION L0011557	VOLUME	460604.067	3776792.859	454.00
LOCATION L0011558	VOLUME	460604.107	3776801.449	454.00
LOCATION L0011559	VOLUME	460604.148	3776810.039	454.12
LOCATION L0011560	VOLUME	460604.189	3776818.629	454.40
LOCATION L0011561	VOLUME	460604.230	3776827.219	454.69
LOCATION L0011562	VOLUME	460604.271	3776835.809	454.98
LOCATION L0011563	VOLUME	460604.312	3776844.398	455.26
LOCATION L0011564	VOLUME	460604.353	3776852.988	455.55
LOCATION L0011565	VOLUME	460604.394	3776861.578	455.84
LOCATION L0011566	VOLUME	460604.435	3776870.168	456.00
LOCATION L0011567	VOLUME	460604.476	3776878.758	456.00
LOCATION L0011568	VOLUME	460604.517	3776887.348	456.00
LOCATION L0011569	VOLUME	460604.558	3776895.938	456.00
LOCATION L0011570	VOLUME	460604.599	3776904.528	456.27
LOCATION L0011571	VOLUME	460604.640	3776913.118	456.55
LOCATION L0011572	VOLUME	460604.681	3776921.708	456.84
LOCATION L0011573	VOLUME	460604.722	3776930.298	457.13
LOCATION L0011574	VOLUME	460604.763	3776938.887	457.41
LOCATION L0011575	VOLUME	460604.804	3776947.477	457.70
LOCATION L0011576	VOLUME	460604.845	3776956.067	457.98
LOCATION L0011577	VOLUME	460604.886	3776964.657	458.00
LOCATION L0011578	VOLUME	460604.927	3776973.247	458.00
LOCATION L0011579	VOLUME	460604.968	3776981.837	458.00
LOCATION L0011580	VOLUME	460605.009	3776990.427	458.13
LOCATION L0011581	VOLUME	460605.050	3776999.017	458.42
LOCATION L0011582	VOLUME	460605.091	3777007.607	458.70
LOCATION L0011583	VOLUME	460605.132	3777016.197	458.99
LOCATION L0011584	VOLUME	460605.173	3777024.786	459.28
LOCATION L0011585	VOLUME	460605.214	3777033.376	459.56
LOCATION L0011586	VOLUME	460605.255	3777041.966	459.85
LOCATION L0011587	VOLUME	460605.296	3777050.556	460.00
LOCATION L0011588	VOLUME	460605.337	3777059.146	460.00
LOCATION L0011589	VOLUME	460605.378	3777067.736	460.00
LOCATION L0011590	VOLUME	460605.419	3777076.326	460.00

12213 HRA					
LOCATION L0011591	VOLUME	460605.460	3777084.916	460.28	
LOCATION L0011592	VOLUME	460605.501	3777093.506	460.57	
LOCATION L0011593	VOLUME	460605.542	3777102.096	460.85	
LOCATION L0011594	VOLUME	460605.583	3777110.685	461.14	
LOCATION L0011595	VOLUME	460605.624	3777119.275	461.43	
LOCATION L0011596	VOLUME	460605.665	3777127.865	461.71	
LOCATION L0011597	VOLUME	460605.706	3777136.455	462.00	
LOCATION L0011598	VOLUME	460605.747	3777145.045	462.00	
LOCATION L0011599	VOLUME	460605.788	3777153.635	462.00	
LOCATION L0011600	VOLUME	460605.829	3777162.225	462.00	
LOCATION L0011601	VOLUME	460605.870	3777170.815	462.14	
LOCATION L0011602	VOLUME	460605.911	3777179.405	462.43	
LOCATION L0011603	VOLUME	460605.952	3777187.995	462.72	
LOCATION L0011604	VOLUME	460605.993	3777196.584	463.00	
LOCATION L0011605	VOLUME	460606.034	3777205.174	463.29	
LOCATION L0011606	VOLUME	460606.075	3777213.764	463.57	
LOCATION L0011607	VOLUME	460606.116	3777222.354	463.86	
LOCATION L0011608	VOLUME	460606.157	3777230.944	464.11	
LOCATION L0011609	VOLUME	460606.198	3777239.534	464.34	
LOCATION L0011610	VOLUME	460606.238	3777248.124	464.56	
LOCATION L0011611	VOLUME	460606.279	3777256.714	464.78	
LOCATION L0011612	VOLUME	460606.320	3777265.304	465.07	
** END OF LINE VOLUME SOURCE ID = SLINE7					
** SOURCE PARAMETERS **					
** LINE VOLUME SOURCE ID = SLINE1					
SRCPARAM L0010715	0.00000113	3.49	4.00	3.25	
SRCPARAM L0010716	0.00000113	3.49	4.00	3.25	
SRCPARAM L0010717	0.00000113	3.49	4.00	3.25	
SRCPARAM L0010718	0.00000113	3.49	4.00	3.25	
SRCPARAM L0010719	0.00000113	3.49	4.00	3.25	
SRCPARAM L0010720	0.00000113	3.49	4.00	3.25	
SRCPARAM L0010721	0.00000113	3.49	4.00	3.25	
SRCPARAM L0010722	0.00000113	3.49	4.00	3.25	
SRCPARAM L0010723	0.00000113	3.49	4.00	3.25	
SRCPARAM L0010724	0.00000113	3.49	4.00	3.25	
** -----					
** LINE VOLUME SOURCE ID = SLINE2					
SRCPARAM L0010725	0.0000003841	3.49	4.00	3.25	
SRCPARAM L0010726	0.0000003841	3.49	4.00	3.25	
SRCPARAM L0010727	0.0000003841	3.49	4.00	3.25	
SRCPARAM L0010728	0.0000003841	3.49	4.00	3.25	
SRCPARAM L0010729	0.0000003841	3.49	4.00	3.25	
SRCPARAM L0010730	0.0000003841	3.49	4.00	3.25	
SRCPARAM L0010731	0.0000003841	3.49	4.00	3.25	
SRCPARAM L0010732	0.0000003841	3.49	4.00	3.25	
SRCPARAM L0010733	0.0000003841	3.49	4.00	3.25	
SRCPARAM L0010734	0.0000003841	3.49	4.00	3.25	
SRCPARAM L0010735	0.0000003841	3.49	4.00	3.25	

		12213 HRA			
SRCPARAM	L0010736	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010737	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010738	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010739	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010740	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010741	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010742	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010743	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010744	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010745	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010746	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010747	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010748	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010749	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010750	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010751	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010752	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010753	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010754	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010755	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010756	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010757	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010758	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010759	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010760	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010761	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010762	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010763	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010764	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010765	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010766	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010767	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010768	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010769	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010770	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010771	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010772	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010773	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010774	0.0000003841	3.49	4.00	3.25
SRCPARAM	L0010775	0.0000003841	3.49	4.00	3.25

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** LINE VOLUME SOURCE ID = SLINE4					
SRCPARAM	L0010776	0.0000001168	3.49	4.00	3.25
SRCPARAM	L0010777	0.0000001168	3.49	4.00	3.25
SRCPARAM	L0010778	0.0000001168	3.49	4.00	3.25
SRCPARAM	L0010779	0.0000001168	3.49	4.00	3.25
SRCPARAM	L0010780	0.0000001168	3.49	4.00	3.25
SRCPARAM	L0010781	0.0000001168	3.49	4.00	3.25

		12213	HRA	
SRCPARAM	L0010782	0.0000001168	3.49	4.00
SRCPARAM	L0010783	0.0000001168	3.49	4.00
SRCPARAM	L0010784	0.0000001168	3.49	4.00
SRCPARAM	L0010785	0.0000001168	3.49	4.00
SRCPARAM	L0010786	0.0000001168	3.49	4.00
SRCPARAM	L0010787	0.0000001168	3.49	4.00
SRCPARAM	L0010788	0.0000001168	3.49	4.00
SRCPARAM	L0010789	0.0000001168	3.49	4.00
SRCPARAM	L0010790	0.0000001168	3.49	4.00
SRCPARAM	L0010791	0.0000001168	3.49	4.00
SRCPARAM	L0010792	0.0000001168	3.49	4.00
SRCPARAM	L0010793	0.0000001168	3.49	4.00
SRCPARAM	L0010794	0.0000001168	3.49	4.00
SRCPARAM	L0010795	0.0000001168	3.49	4.00
SRCPARAM	L0010796	0.0000001168	3.49	4.00
SRCPARAM	L0010797	0.0000001168	3.49	4.00
SRCPARAM	L0010798	0.0000001168	3.49	4.00
SRCPARAM	L0010799	0.0000001168	3.49	4.00
SRCPARAM	L0010800	0.0000001168	3.49	4.00
SRCPARAM	L0010801	0.0000001168	3.49	4.00
SRCPARAM	L0010802	0.0000001168	3.49	4.00
SRCPARAM	L0010803	0.0000001168	3.49	4.00
SRCPARAM	L0010804	0.0000001168	3.49	4.00
SRCPARAM	L0010805	0.0000001168	3.49	4.00
SRCPARAM	L0010806	0.0000001168	3.49	4.00
SRCPARAM	L0010807	0.0000001168	3.49	4.00
SRCPARAM	L0010808	0.0000001168	3.49	4.00
SRCPARAM	L0010809	0.0000001168	3.49	4.00
SRCPARAM	L0010810	0.0000001168	3.49	4.00
SRCPARAM	L0010811	0.0000001168	3.49	4.00
SRCPARAM	L0010812	0.0000001168	3.49	4.00
SRCPARAM	L0010813	0.0000001168	3.49	4.00
SRCPARAM	L0010814	0.0000001168	3.49	4.00
SRCPARAM	L0010815	0.0000001168	3.49	4.00
SRCPARAM	L0010816	0.0000001168	3.49	4.00
SRCPARAM	L0010817	0.0000001168	3.49	4.00
SRCPARAM	L0010818	0.0000001168	3.49	4.00
SRCPARAM	L0010819	0.0000001168	3.49	4.00
SRCPARAM	L0010820	0.0000001168	3.49	4.00
SRCPARAM	L0010821	0.0000001168	3.49	4.00
SRCPARAM	L0010822	0.0000001168	3.49	4.00
SRCPARAM	L0010823	0.0000001168	3.49	4.00
SRCPARAM	L0010824	0.0000001168	3.49	4.00
SRCPARAM	L0010825	0.0000001168	3.49	4.00
SRCPARAM	L0010826	0.0000001168	3.49	4.00
SRCPARAM	L0010827	0.0000001168	3.49	4.00
SRCPARAM	L0010828	0.0000001168	3.49	4.00
SRCPARAM	L0010829	0.0000001168	3.49	4.00

		12213	HRA	
SRCPARAM	L0010830	0.0000001168	3.49	4.00
SRCPARAM	L0010831	0.0000001168	3.49	4.00
SRCPARAM	L0010832	0.0000001168	3.49	4.00
SRCPARAM	L0010833	0.0000001168	3.49	4.00
SRCPARAM	L0010834	0.0000001168	3.49	4.00
SRCPARAM	L0010835	0.0000001168	3.49	4.00
SRCPARAM	L0010836	0.0000001168	3.49	4.00
SRCPARAM	L0010837	0.0000001168	3.49	4.00
SRCPARAM	L0010838	0.0000001168	3.49	4.00
SRCPARAM	L0010839	0.0000001168	3.49	4.00
SRCPARAM	L0010840	0.0000001168	3.49	4.00
SRCPARAM	L0010841	0.0000001168	3.49	4.00
SRCPARAM	L0010842	0.0000001168	3.49	4.00
SRCPARAM	L0010843	0.0000001168	3.49	4.00
SRCPARAM	L0010844	0.0000001168	3.49	4.00
SRCPARAM	L0010845	0.0000001168	3.49	4.00
SRCPARAM	L0010846	0.0000001168	3.49	4.00
SRCPARAM	L0010847	0.0000001168	3.49	4.00
SRCPARAM	L0010848	0.0000001168	3.49	4.00
SRCPARAM	L0010849	0.0000001168	3.49	4.00
SRCPARAM	L0010850	0.0000001168	3.49	4.00
SRCPARAM	L0010851	0.0000001168	3.49	4.00
SRCPARAM	L0010852	0.0000001168	3.49	4.00
SRCPARAM	L0010853	0.0000001168	3.49	4.00
SRCPARAM	L0010854	0.0000001168	3.49	4.00
SRCPARAM	L0010855	0.0000001168	3.49	4.00
SRCPARAM	L0010856	0.0000001168	3.49	4.00
SRCPARAM	L0010857	0.0000001168	3.49	4.00
SRCPARAM	L0010858	0.0000001168	3.49	4.00
SRCPARAM	L0010859	0.0000001168	3.49	4.00
SRCPARAM	L0010860	0.0000001168	3.49	4.00
SRCPARAM	L0010861	0.0000001168	3.49	4.00
SRCPARAM	L0010862	0.0000001168	3.49	4.00
SRCPARAM	L0010863	0.0000001168	3.49	4.00
SRCPARAM	L0010864	0.0000001168	3.49	4.00
SRCPARAM	L0010865	0.0000001168	3.49	4.00
SRCPARAM	L0010866	0.0000001168	3.49	4.00
SRCPARAM	L0010867	0.0000001168	3.49	4.00
SRCPARAM	L0010868	0.0000001168	3.49	4.00
SRCPARAM	L0010869	0.0000001168	3.49	4.00
SRCPARAM	L0010870	0.0000001168	3.49	4.00
SRCPARAM	L0010871	0.0000001168	3.49	4.00
SRCPARAM	L0010872	0.0000001168	3.49	4.00
SRCPARAM	L0010873	0.0000001168	3.49	4.00
SRCPARAM	L0010874	0.0000001168	3.49	4.00
SRCPARAM	L0010875	0.0000001168	3.49	4.00
SRCPARAM	L0010876	0.0000001168	3.49	4.00
SRCPARAM	L0010877	0.0000001168	3.49	4.00

		12213	HRA	
SRCPARAM	L0010878	0.0000001168	3.49	4.00
SRCPARAM	L0010879	0.0000001168	3.49	4.00
SRCPARAM	L0010880	0.0000001168	3.49	4.00
SRCPARAM	L0010881	0.0000001168	3.49	4.00
SRCPARAM	L0010882	0.0000001168	3.49	4.00
SRCPARAM	L0010883	0.0000001168	3.49	4.00
SRCPARAM	L0010884	0.0000001168	3.49	4.00
SRCPARAM	L0010885	0.0000001168	3.49	4.00
SRCPARAM	L0010886	0.0000001168	3.49	4.00
SRCPARAM	L0010887	0.0000001168	3.49	4.00
SRCPARAM	L0010888	0.0000001168	3.49	4.00
SRCPARAM	L0010889	0.0000001168	3.49	4.00
SRCPARAM	L0010890	0.0000001168	3.49	4.00
SRCPARAM	L0010891	0.0000001168	3.49	4.00
SRCPARAM	L0010892	0.0000001168	3.49	4.00
SRCPARAM	L0010893	0.0000001168	3.49	4.00
SRCPARAM	L0010894	0.0000001168	3.49	4.00
SRCPARAM	L0010895	0.0000001168	3.49	4.00
SRCPARAM	L0010896	0.0000001168	3.49	4.00
SRCPARAM	L0010897	0.0000001168	3.49	4.00
SRCPARAM	L0010898	0.0000001168	3.49	4.00
SRCPARAM	L0010899	0.0000001168	3.49	4.00
SRCPARAM	L0010900	0.0000001168	3.49	4.00
SRCPARAM	L0010901	0.0000001168	3.49	4.00
SRCPARAM	L0010902	0.0000001168	3.49	4.00
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SRCPARAM	L0010906	0.0000001168	3.49	4.00
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SRCPARAM	L0010913	0.0000001168	3.49	4.00
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SRCPARAM	L0010925	0.0000001168	3.49	4.00

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SRCPARAM	L0010926	0.0000001168	3.49	4.00
SRCPARAM	L0010927	0.0000001168	3.49	4.00
SRCPARAM	L0010928	0.0000001168	3.49	4.00
SRCPARAM	L0010929	0.0000001168	3.49	4.00
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SRCPARAM	L0010932	0.0000001168	3.49	4.00
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SRCPARAM	L0010951	0.0000001168	3.49	4.00
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SRCPARAM	L0010971	0.0000001168	3.49	4.00
SRCPARAM	L0010972	0.0000001168	3.49	4.00
SRCPARAM	L0010973	0.0000001168	3.49	4.00

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SRCPARAM	L0010976	0.0000001168	3.49	4.00
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SRCPARAM	L0010990	0.0000001168	3.49	4.00
SRCPARAM	L0010991	0.0000001168	3.49	4.00
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SRCPARAM	L0011003	0.0000001168	3.49	4.00
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SRCPARAM	L0011008	0.0000001168	3.49	4.00
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SRCPARAM	L0011019	0.0000001168	3.49	4.00
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		12213	HRA	
SRCPARAM	L0011022	0.0000001168	3.49	4.00
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SRCPARAM	L0011024	0.0000001168	3.49	4.00
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SRCPARAM	L0011038	0.0000001168	3.49	4.00
SRCPARAM	L0011039	0.0000001168	3.49	4.00
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SRCPARAM	L0011065	0.0000001168	3.49	4.00
SRCPARAM	L0011066	0.0000001168	3.49	4.00
SRCPARAM	L0011067	0.0000001168	3.49	4.00
SRCPARAM	L0011068	0.0000001168	3.49	4.00
SRCPARAM	L0011069	0.0000001168	3.49	4.00

12213 HRA

SRCPARAM	L0011070	0.0000001168	3.49	4.00	3.25
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** LINE VOLUME SOURCE ID	= SLINE6				
SRCPARAM	L0011071	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011072	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011073	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011074	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011075	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011076	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011077	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011078	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011079	0.00000005836	3.49	4.00	3.25
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SRCPARAM	L0011081	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011082	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011083	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011084	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011085	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011086	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011087	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011088	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011089	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011090	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011091	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011092	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011093	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011094	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011095	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011096	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011097	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011098	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011099	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011100	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011101	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011102	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011103	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011104	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011105	0.00000005836	3.49	4.00	3.25
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SRCPARAM	L0011107	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011108	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011109	0.00000005836	3.49	4.00	3.25
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SRCPARAM	L0011111	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011112	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011113	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011114	0.00000005836	3.49	4.00	3.25
SRCPARAM	L0011115	0.00000005836	3.49	4.00	3.25

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SRCPARAM	L0011116	0.00000005836	3.49	4.00
SRCPARAM	L0011117	0.00000005836	3.49	4.00
SRCPARAM	L0011118	0.00000005836	3.49	4.00
SRCPARAM	L0011119	0.00000005836	3.49	4.00
SRCPARAM	L0011120	0.00000005836	3.49	4.00
SRCPARAM	L0011121	0.00000005836	3.49	4.00
SRCPARAM	L0011122	0.00000005836	3.49	4.00
SRCPARAM	L0011123	0.00000005836	3.49	4.00
SRCPARAM	L0011124	0.00000005836	3.49	4.00
SRCPARAM	L0011125	0.00000005836	3.49	4.00
SRCPARAM	L0011126	0.00000005836	3.49	4.00
SRCPARAM	L0011127	0.00000005836	3.49	4.00
SRCPARAM	L0011128	0.00000005836	3.49	4.00
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SRCPARAM	L0011131	0.00000005836	3.49	4.00
SRCPARAM	L0011132	0.00000005836	3.49	4.00
SRCPARAM	L0011133	0.00000005836	3.49	4.00
SRCPARAM	L0011134	0.00000005836	3.49	4.00
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SRCPARAM	L0011162	0.00000005836	3.49	4.00
SRCPARAM	L0011163	0.00000005836	3.49	4.00

12213 HRA

12213 HRA

		12213 HRA		
SRCPARAM	L0011260	0.00000005836	3.49	4.00
SRCPARAM	L0011261	0.00000005836	3.49	4.00
SRCPARAM	L0011262	0.00000005836	3.49	4.00
SRCPARAM	L0011263	0.00000005836	3.49	4.00
SRCPARAM	L0011264	0.00000005836	3.49	4.00
SRCPARAM	L0011265	0.00000005836	3.49	4.00
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SRCPARAM	L0011267	0.00000005836	3.49	4.00
SRCPARAM	L0011268	0.00000005836	3.49	4.00
SRCPARAM	L0011269	0.00000005836	3.49	4.00
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SRCPARAM	L0011281	0.00000005836	3.49	4.00
SRCPARAM	L0011282	0.00000005836	3.49	4.00
SRCPARAM	L0011283	0.00000005836	3.49	4.00
SRCPARAM	L0011284	0.00000005836	3.49	4.00
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SRCPARAM	L0011289	0.00000005836	3.49	4.00
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SRCPARAM	L0011300	0.00000005836	3.49	4.00
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SRCPARAM	L0011307	0.00000005836	3.49	4.00

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SRCPARAM	L0011312	0.00000005836	3.49	4.00
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SRCPARAM	L0011316	0.00000005836	3.49	4.00
SRCPARAM	L0011317	0.00000005836	3.49	4.00
SRCPARAM	L0011318	0.00000005836	3.49	4.00
SRCPARAM	L0011319	0.00000005836	3.49	4.00
SRCPARAM	L0011320	0.00000005836	3.49	4.00
SRCPARAM	L0011321	0.00000005836	3.49	4.00
SRCPARAM	L0011322	0.00000005836	3.49	4.00
SRCPARAM	L0011323	0.00000005836	3.49	4.00
SRCPARAM	L0011324	0.00000005836	3.49	4.00
SRCPARAM	L0011325	0.00000005836	3.49	4.00
SRCPARAM	L0011326	0.00000005836	3.49	4.00
SRCPARAM	L0011327	0.00000005836	3.49	4.00
SRCPARAM	L0011328	0.00000005836	3.49	4.00
SRCPARAM	L0011329	0.00000005836	3.49	4.00
SRCPARAM	L0011330	0.00000005836	3.49	4.00
SRCPARAM	L0011331	0.00000005836	3.49	4.00
SRCPARAM	L0011332	0.00000005836	3.49	4.00
SRCPARAM	L0011333	0.00000005836	3.49	4.00
SRCPARAM	L0011334	0.00000005836	3.49	4.00
SRCPARAM	L0011335	0.00000005836	3.49	4.00
SRCPARAM	L0011336	0.00000005836	3.49	4.00
SRCPARAM	L0011337	0.00000005836	3.49	4.00
SRCPARAM	L0011338	0.00000005836	3.49	4.00
SRCPARAM	L0011339	0.00000005836	3.49	4.00
SRCPARAM	L0011340	0.00000005836	3.49	4.00
SRCPARAM	L0011341	0.00000005836	3.49	4.00
SRCPARAM	L0011342	0.00000005836	3.49	4.00
SRCPARAM	L0011343	0.00000005836	3.49	4.00
SRCPARAM	L0011344	0.00000005836	3.49	4.00
SRCPARAM	L0011345	0.00000005836	3.49	4.00
SRCPARAM	L0011346	0.00000005836	3.49	4.00
SRCPARAM	L0011347	0.00000005836	3.49	4.00
SRCPARAM	L0011348	0.00000005836	3.49	4.00
SRCPARAM	L0011349	0.00000005836	3.49	4.00
SRCPARAM	L0011350	0.00000005836	3.49	4.00
SRCPARAM	L0011351	0.00000005836	3.49	4.00
SRCPARAM	L0011352	0.00000005836	3.49	4.00
SRCPARAM	L0011353	0.00000005836	3.49	4.00
SRCPARAM	L0011354	0.00000005836	3.49	4.00
SRCPARAM	L0011355	0.00000005836	3.49	4.00

12213 HRA

SRCPARAM L0011356	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011357	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011358	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011359	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011360	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011361	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011362	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011363	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011364	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011365	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011366	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011367	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011368	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011369	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011370	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011371	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011372	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011373	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011374	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011375	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011376	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011377	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011378	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011379	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011380	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011381	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011382	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011383	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011384	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011385	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011386	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011387	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011388	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011389	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011390	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011391	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011392	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011393	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011394	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011395	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011396	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011397	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011398	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011399	0.00000005836	3.49	4.00	3.25
SRCPARAM L0011400	0.00000005836	3.49	4.00	3.25

** -----

** LINE VOLUME SOURCE ID = SLINE7

SRCPARAM L0011401	0.00000005844	3.49	4.00	3.25
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12213 HRA

		12213	HRA	
SRCPARAM	L0011450	0.00000005844	3.49	4.00
SRCPARAM	L0011451	0.00000005844	3.49	4.00
SRCPARAM	L0011452	0.00000005844	3.49	4.00
SRCPARAM	L0011453	0.00000005844	3.49	4.00
SRCPARAM	L0011454	0.00000005844	3.49	4.00
SRCPARAM	L0011455	0.00000005844	3.49	4.00
SRCPARAM	L0011456	0.00000005844	3.49	4.00
SRCPARAM	L0011457	0.00000005844	3.49	4.00
SRCPARAM	L0011458	0.00000005844	3.49	4.00
SRCPARAM	L0011459	0.00000005844	3.49	4.00
SRCPARAM	L0011460	0.00000005844	3.49	4.00
SRCPARAM	L0011461	0.00000005844	3.49	4.00
SRCPARAM	L0011462	0.00000005844	3.49	4.00
SRCPARAM	L0011463	0.00000005844	3.49	4.00
SRCPARAM	L0011464	0.00000005844	3.49	4.00
SRCPARAM	L0011465	0.00000005844	3.49	4.00
SRCPARAM	L0011466	0.00000005844	3.49	4.00
SRCPARAM	L0011467	0.00000005844	3.49	4.00
SRCPARAM	L0011468	0.00000005844	3.49	4.00
SRCPARAM	L0011469	0.00000005844	3.49	4.00
SRCPARAM	L0011470	0.00000005844	3.49	4.00
SRCPARAM	L0011471	0.00000005844	3.49	4.00
SRCPARAM	L0011472	0.00000005844	3.49	4.00
SRCPARAM	L0011473	0.00000005844	3.49	4.00
SRCPARAM	L0011474	0.00000005844	3.49	4.00
SRCPARAM	L0011475	0.00000005844	3.49	4.00
SRCPARAM	L0011476	0.00000005844	3.49	4.00
SRCPARAM	L0011477	0.00000005844	3.49	4.00
SRCPARAM	L0011478	0.00000005844	3.49	4.00
SRCPARAM	L0011479	0.00000005844	3.49	4.00
SRCPARAM	L0011480	0.00000005844	3.49	4.00
SRCPARAM	L0011481	0.00000005844	3.49	4.00
SRCPARAM	L0011482	0.00000005844	3.49	4.00
SRCPARAM	L0011483	0.00000005844	3.49	4.00
SRCPARAM	L0011484	0.00000005844	3.49	4.00
SRCPARAM	L0011485	0.00000005844	3.49	4.00
SRCPARAM	L0011486	0.00000005844	3.49	4.00
SRCPARAM	L0011487	0.00000005844	3.49	4.00
SRCPARAM	L0011488	0.00000005844	3.49	4.00
SRCPARAM	L0011489	0.00000005844	3.49	4.00
SRCPARAM	L0011490	0.00000005844	3.49	4.00
SRCPARAM	L0011491	0.00000005844	3.49	4.00
SRCPARAM	L0011492	0.00000005844	3.49	4.00
SRCPARAM	L0011493	0.00000005844	3.49	4.00
SRCPARAM	L0011494	0.00000005844	3.49	4.00
SRCPARAM	L0011495	0.00000005844	3.49	4.00
SRCPARAM	L0011496	0.00000005844	3.49	4.00
SRCPARAM	L0011497	0.00000005844	3.49	4.00

12213 HRA

		12213 HRA		
SRCPARAM	L0011546	0.00000005844	3.49	4.00
SRCPARAM	L0011547	0.00000005844	3.49	4.00
SRCPARAM	L0011548	0.00000005844	3.49	4.00
SRCPARAM	L0011549	0.00000005844	3.49	4.00
SRCPARAM	L0011550	0.00000005844	3.49	4.00
SRCPARAM	L0011551	0.00000005844	3.49	4.00
SRCPARAM	L0011552	0.00000005844	3.49	4.00
SRCPARAM	L0011553	0.00000005844	3.49	4.00
SRCPARAM	L0011554	0.00000005844	3.49	4.00
SRCPARAM	L0011555	0.00000005844	3.49	4.00
SRCPARAM	L0011556	0.00000005844	3.49	4.00
SRCPARAM	L0011557	0.00000005844	3.49	4.00
SRCPARAM	L0011558	0.00000005844	3.49	4.00
SRCPARAM	L0011559	0.00000005844	3.49	4.00
SRCPARAM	L0011560	0.00000005844	3.49	4.00
SRCPARAM	L0011561	0.00000005844	3.49	4.00
SRCPARAM	L0011562	0.00000005844	3.49	4.00
SRCPARAM	L0011563	0.00000005844	3.49	4.00
SRCPARAM	L0011564	0.00000005844	3.49	4.00
SRCPARAM	L0011565	0.00000005844	3.49	4.00
SRCPARAM	L0011566	0.00000005844	3.49	4.00
SRCPARAM	L0011567	0.00000005844	3.49	4.00
SRCPARAM	L0011568	0.00000005844	3.49	4.00
SRCPARAM	L0011569	0.00000005844	3.49	4.00
SRCPARAM	L0011570	0.00000005844	3.49	4.00
SRCPARAM	L0011571	0.00000005844	3.49	4.00
SRCPARAM	L0011572	0.00000005844	3.49	4.00
SRCPARAM	L0011573	0.00000005844	3.49	4.00
SRCPARAM	L0011574	0.00000005844	3.49	4.00
SRCPARAM	L0011575	0.00000005844	3.49	4.00
SRCPARAM	L0011576	0.00000005844	3.49	4.00
SRCPARAM	L0011577	0.00000005844	3.49	4.00
SRCPARAM	L0011578	0.00000005844	3.49	4.00
SRCPARAM	L0011579	0.00000005844	3.49	4.00
SRCPARAM	L0011580	0.00000005844	3.49	4.00
SRCPARAM	L0011581	0.00000005844	3.49	4.00
SRCPARAM	L0011582	0.00000005844	3.49	4.00
SRCPARAM	L0011583	0.00000005844	3.49	4.00
SRCPARAM	L0011584	0.00000005844	3.49	4.00
SRCPARAM	L0011585	0.00000005844	3.49	4.00
SRCPARAM	L0011586	0.00000005844	3.49	4.00
SRCPARAM	L0011587	0.00000005844	3.49	4.00
SRCPARAM	L0011588	0.00000005844	3.49	4.00
SRCPARAM	L0011589	0.00000005844	3.49	4.00
SRCPARAM	L0011590	0.00000005844	3.49	4.00
SRCPARAM	L0011591	0.00000005844	3.49	4.00
SRCPARAM	L0011592	0.00000005844	3.49	4.00
SRCPARAM	L0011593	0.00000005844	3.49	4.00

		12213 HRA			
SRCPARAM	L0011594	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011595	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011596	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011597	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011598	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011599	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011600	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011601	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011602	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011603	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011604	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011605	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011606	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011607	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011608	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011609	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011610	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011611	0.00000005844	3.49	4.00	3.25
SRCPARAM	L0011612	0.00000005844	3.49	4.00	3.25

** -----

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD RECEPTOR PATHWAY

**

**

RE STARTING
INCLUDED "12213 HRA.ROU"

RE FINISHED

**

** AERMOD METEOROLOGY PATHWAY

**

**

ME STARTING
SURFFILE FONTANAADJU\FONT_V9_ADJU\FONT_V9.SFC
PROFILE FONTANAADJU\FONT_V9_ADJU\FONT_V9.PFL
SURFDATA 3102 2011
UAIRDATA 3190 2011
SITEDATA 99999 2011
PROFBASE 367.0 METERS

ME FINISHED

**

12213 HRA

```
** AERMOD OUTPUT PATHWAY
*****
**
**
OU STARTING
** AUTO-GENERATED PLOTFILES
    PLOTFILE ANNUAL ALL "12213 HRA.AD\AN00GALL.PLT" 31
    SUMMFILE "12213 HRA.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 1965 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50
ME W187 1965 MEOPEN: ADJ_U* Option for Low Winds used in AERMET

```
*****  
*** SETUP Finishes Successfully ***  
*****
```

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ U*

*** MODEL SETUP OPTIONS SUMMARY

1

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

12213 HRA

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 898 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m

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

**Other Options Specified:
ADJ_U* - Use ADJ_U* BETA option for SBL in AERMET
TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes: 898 Source(s); 1 Source Group(s); and 88 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 898 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with 0 line(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

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

12213 HRA

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) = 367.00 ; 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 = 3.9 MB of RAM.

**Detailed Error/Message File: 12213 HRA.ERR

**File for Summary of Results: 12213 HRA.SUM

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213
HRA.ISC *** 12/04/18
*** AERMET - VERSION 16216 *** ***
*** 11:02:24

PAGE 2
*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.		
SOURCE	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	
SZ	SOURCE	SCALAR VARY	(METERS)	(METERS)	(METERS)	(METERS)	
ID	CATS.	BY					
(METERS)							
L0010715	0	0.11300E-05	460733.5	3775868.1	434.7	3.49	4.00
3.25	YES						
L0010716	0	0.11300E-05	460733.6	3775859.5	434.4	3.49	4.00
3.25	YES						
L0010717	0	0.11300E-05	460733.7	3775850.9	434.2	3.49	4.00
3.25	YES						

12213 HRA							
L0010718	0	0.11300E-05	460733.8	3775842.3	433.9	3.49	4.00
3.25 YES							
L0010719	0	0.11300E-05	460734.0	3775833.7	433.8	3.49	4.00
3.25 YES							
L0010720	0	0.11300E-05	460734.1	3775825.1	433.6	3.49	4.00
3.25 YES							
L0010721	0	0.11300E-05	460734.2	3775816.6	433.5	3.49	4.00
3.25 YES							
L0010722	0	0.11300E-05	460734.3	3775808.0	433.4	3.49	4.00
3.25 YES							
L0010723	0	0.11300E-05	460734.4	3775799.4	433.2	3.49	4.00
3.25 YES							
L0010724	0	0.11300E-05	460734.5	3775790.8	433.1	3.49	4.00
3.25 YES							
L0010725	0	0.38410E-06	460708.1	3775712.1	431.5	3.49	4.00
3.25 YES							
L0010726	0	0.38410E-06	460708.2	3775720.7	431.8	3.49	4.00
3.25 YES							
L0010727	0	0.38410E-06	460708.2	3775729.3	432.0	3.49	4.00
3.25 YES							
L0010728	0	0.38410E-06	460708.3	3775737.8	432.0	3.49	4.00
3.25 YES							
L0010729	0	0.38410E-06	460708.3	3775746.4	432.0	3.49	4.00
3.25 YES							
L0010730	0	0.38410E-06	460708.4	3775755.0	432.0	3.49	4.00
3.25 YES							
L0010731	0	0.38410E-06	460708.4	3775763.6	432.2	3.49	4.00
3.25 YES							
L0010732	0	0.38410E-06	460708.4	3775772.2	432.5	3.49	4.00
3.25 YES							
L0010733	0	0.38410E-06	460708.5	3775780.8	432.8	3.49	4.00
3.25 YES							
L0010734	0	0.38410E-06	460708.5	3775789.4	433.0	3.49	4.00
3.25 YES							
L0010735	0	0.38410E-06	460708.6	3775798.0	433.0	3.49	4.00
3.25 YES							
L0010736	0	0.38410E-06	460708.6	3775806.6	433.0	3.49	4.00
3.25 YES							
L0010737	0	0.38410E-06	460708.6	3775815.2	433.0	3.49	4.00
3.25 YES							
L0010738	0	0.38410E-06	460708.7	3775823.7	433.2	3.49	4.00
3.25 YES							
L0010739	0	0.38410E-06	460708.7	3775832.3	433.5	3.49	4.00
3.25 YES							
L0010740	0	0.38410E-06	460708.8	3775840.9	433.8	3.49	4.00
3.25 YES							
L0010741	0	0.38410E-06	460708.8	3775849.5	434.1	3.49	4.00
3.25 YES							

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE		BASE	RELEASE	INIT.	
	SOURCE	EMISSION RATE					
	SZ	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT	
	SOURCE	SCALAR VARY				SY	
	ID	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	
	(METERS)	BY					
- - - - -							
- - - - -							
L0010755	0	0.38410E-06	460795.6	3775883.8	435.0	3.49	4.00
3.25	YES						

12213 HRA								
L0010756		0	0.38410E-06	460800.2	3775880.1	435.0	3.49	4.00
3.25	YES							
L0010757		0	0.38410E-06	460799.7	3775871.5	434.8	3.49	4.00
3.25	YES							
L0010758		0	0.38410E-06	460799.6	3775863.0	434.6	3.49	4.00
3.25	YES							
L0010759		0	0.38410E-06	460799.6	3775854.4	434.3	3.49	4.00
3.25	YES							
L0010760		0	0.38410E-06	460799.7	3775845.8	434.0	3.49	4.00
3.25	YES							
L0010761		0	0.38410E-06	460799.7	3775837.2	434.0	3.49	4.00
3.25	YES							
L0010762		0	0.38410E-06	460799.8	3775828.6	434.0	3.49	4.00
3.25	YES							
L0010763		0	0.38410E-06	460799.9	3775820.0	434.0	3.49	4.00
3.25	YES							
L0010764		0	0.38410E-06	460799.9	3775811.4	433.8	3.49	4.00
3.25	YES							
L0010765		0	0.38410E-06	460800.0	3775802.8	433.6	3.49	4.00
3.25	YES							
L0010766		0	0.38410E-06	460800.0	3775794.2	433.3	3.49	4.00
3.25	YES							
L0010767		0	0.38410E-06	460800.1	3775785.6	433.0	3.49	4.00
3.25	YES							
L0010768		0	0.38410E-06	460800.2	3775777.1	433.0	3.49	4.00
3.25	YES							
L0010769		0	0.38410E-06	460800.2	3775768.5	433.0	3.49	4.00
3.25	YES							
L0010770		0	0.38410E-06	460800.3	3775759.9	433.0	3.49	4.00
3.25	YES							
L0010771		0	0.38410E-06	460800.4	3775751.3	432.8	3.49	4.00
3.25	YES							
L0010772		0	0.38410E-06	460800.4	3775742.7	432.6	3.49	4.00
3.25	YES							
L0010773		0	0.38410E-06	460800.5	3775734.1	432.3	3.49	4.00
3.25	YES							
L0010774		0	0.38410E-06	460800.5	3775725.5	432.0	3.49	4.00
3.25	YES							
L0010775		0	0.38410E-06	460800.6	3775716.9	431.7	3.49	4.00
3.25	YES							
L0010776		0	0.11680E-06	460817.4	3775683.2	431.0	3.49	4.00
3.25	YES							
L0010777		0	0.11680E-06	460826.0	3775683.3	431.0	3.49	4.00
3.25	YES							
L0010778		0	0.11680E-06	460834.6	3775683.5	431.0	3.49	4.00
3.25	YES							
L0010779		0	0.11680E-06	460843.2	3775683.6	430.9	3.49	4.00
3.25	YES							

12213 HRA							
L0010780	0	0.11680E-06	460851.8	3775683.8	430.8	3.49	4.00
3.25 YES							
L0010781	0	0.11680E-06	460860.4	3775683.8	430.7	3.49	4.00
3.25 YES							
L0010782	0	0.11680E-06	460869.0	3775683.7	430.6	3.49	4.00
3.25 YES							
L0010783	0	0.11680E-06	460877.6	3775683.7	430.6	3.49	4.00
3.25 YES							
L0010784	0	0.11680E-06	460886.2	3775683.7	430.6	3.49	4.00
3.25 YES							
L0010785	0	0.11680E-06	460894.8	3775683.6	430.6	3.49	4.00
3.25 YES							
L0010786	0	0.11680E-06	460903.3	3775683.6	430.6	3.49	4.00
3.25 YES							
L0010787	0	0.11680E-06	460911.9	3775683.5	430.6	3.49	4.00
3.25 YES							
L0010788	0	0.11680E-06	460920.5	3775683.5	430.6	3.49	4.00
3.25 YES							
L0010789	0	0.11680E-06	460929.1	3775683.4	430.6	3.49	4.00
3.25 YES							
L0010790	0	0.11680E-06	460937.7	3775683.4	430.6	3.49	4.00
3.25 YES							
L0010791	0	0.11680E-06	460946.3	3775683.4	430.6	3.49	4.00
3.25 YES							
L0010792	0	0.11680E-06	460954.9	3775683.3	430.6	3.49	4.00
3.25 YES							
L0010793	0	0.11680E-06	460963.5	3775683.3	430.6	3.49	4.00
3.25 YES							
L0010794	0	0.11680E-06	460972.1	3775683.2	430.6	3.49	4.00
3.25 YES							

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ U*

*** VOLUME SOURCE DATA ***

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

12213 HRA

L0010795	0	0.11680E-06	460980.6	3775683.2	430.6	3.49	4.00
3.25 YES							
L0010796	0	0.11680E-06	460989.2	3775683.1	430.6	3.49	4.00
3.25 YES							
L0010797	0	0.11680E-06	460997.8	3775683.1	430.4	3.49	4.00
3.25 YES							
L0010798	0	0.11680E-06	461006.4	3775683.1	430.2	3.49	4.00
3.25 YES							
L0010799	0	0.11680E-06	461015.0	3775683.0	430.1	3.49	4.00
3.25 YES							
L0010800	0	0.11680E-06	461023.6	3775683.0	430.0	3.49	4.00
3.25 YES							
L0010801	0	0.11680E-06	461032.2	3775682.9	430.0	3.49	4.00
3.25 YES							
L0010802	0	0.11680E-06	461040.8	3775682.9	430.0	3.49	4.00
3.25 YES							
L0010803	0	0.11680E-06	461049.4	3775682.8	430.0	3.49	4.00
3.25 YES							
L0010804	0	0.11680E-06	461058.0	3775682.8	430.0	3.49	4.00
3.25 YES							
L0010805	0	0.11680E-06	461066.5	3775682.8	430.0	3.49	4.00
3.25 YES							
L0010806	0	0.11680E-06	461075.1	3775682.7	430.0	3.49	4.00
3.25 YES							
L0010807	0	0.11680E-06	461083.7	3775682.7	429.9	3.49	4.00
3.25 YES							
L0010808	0	0.11680E-06	461092.3	3775682.6	429.8	3.49	4.00
3.25 YES							
L0010809	0	0.11680E-06	461100.9	3775682.6	429.7	3.49	4.00
3.25 YES							
L0010810	0	0.11680E-06	461109.5	3775682.5	429.5	3.49	4.00
3.25 YES							
L0010811	0	0.11680E-06	461118.1	3775682.5	429.5	3.49	4.00
3.25 YES							
L0010812	0	0.11680E-06	461126.7	3775682.5	429.5	3.49	4.00
3.25 YES							
L0010813	0	0.11680E-06	461135.3	3775682.4	429.5	3.49	4.00
3.25 YES							
L0010814	0	0.11680E-06	461143.9	3775682.4	429.5	3.49	4.00
3.25 YES							
L0010815	0	0.11680E-06	461152.4	3775682.4	429.5	3.49	4.00
3.25 YES							
L0010816	0	0.11680E-06	461161.0	3775682.4	429.5	3.49	4.00
3.25 YES							
L0010817	0	0.11680E-06	461169.6	3775682.6	429.5	3.49	4.00
3.25 YES							

12213 HRA							
L0010818	0	0.11680E-06	461178.2	3775682.8	429.6	3.49	4.00
3.25 YES							
L0010819	0	0.11680E-06	461186.8	3775683.0	429.6	3.49	4.00
3.25 YES							
L0010820	0	0.11680E-06	461195.4	3775683.2	429.6	3.49	4.00
3.25 YES							
L0010821	0	0.11680E-06	461204.0	3775683.3	429.6	3.49	4.00
3.25 YES							
L0010822	0	0.11680E-06	461212.6	3775683.5	429.6	3.49	4.00
3.25 YES							
L0010823	0	0.11680E-06	461221.2	3775683.7	429.6	3.49	4.00
3.25 YES							
L0010824	0	0.11680E-06	461229.7	3775683.9	429.6	3.49	4.00
3.25 YES							
L0010825	0	0.11680E-06	461238.3	3775684.1	429.6	3.49	4.00
3.25 YES							
L0010826	0	0.11680E-06	461246.9	3775684.3	429.6	3.49	4.00
3.25 YES							
L0010827	0	0.11680E-06	461255.5	3775684.4	429.6	3.49	4.00
3.25 YES							
L0010828	0	0.11680E-06	461264.1	3775684.6	429.6	3.49	4.00
3.25 YES							
L0010829	0	0.11680E-06	461272.7	3775684.8	429.6	3.49	4.00
3.25 YES							
L0010830	0	0.11680E-06	461281.3	3775685.0	429.6	3.49	4.00
3.25 YES							
L0010831	0	0.11680E-06	461289.9	3775685.2	429.6	3.49	4.00
3.25 YES							
L0010832	0	0.11680E-06	461298.4	3775685.2	429.6	3.49	4.00
3.25 YES							
L0010833	0	0.11680E-06	461307.0	3775685.2	429.6	3.49	4.00
3.25 YES							
L0010834	0	0.11680E-06	461315.6	3775685.1	429.6	3.49	4.00
3.25 YES							
▲ *** AERMOD - VERSION 16216r ***				*** C:\LAKES\AERMOD			
HRA.ISC				VIEW\12213 HRA\12213			
				12/04/18			
*** AERMET - VERSION 16216 ***							

				11:02:24			

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE EMISSION RATE SOURCE	PART. (GRAMS/SEC)	X	Y	BASE	RELEASE	INIT.
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12213 HRA

SZ	SOURCE	SCALAR VARY CATS.	VARY BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0010835		0	0.11680E-06	461324.2	3775685.1	429.5	3.49	4.00
3.25	YES							
L0010836		0	0.11680E-06	461332.8	3775685.1	429.4	3.49	4.00
3.25	YES							
L0010837		0	0.11680E-06	461341.4	3775685.1	429.2	3.49	4.00
3.25	YES							
L0010838		0	0.11680E-06	461350.0	3775685.0	429.0	3.49	4.00
3.25	YES							
L0010839		0	0.11680E-06	461358.6	3775685.0	429.0	3.49	4.00
3.25	YES							
L0010840		0	0.11680E-06	461367.2	3775685.0	429.0	3.49	4.00
3.25	YES							
L0010841		0	0.11680E-06	461375.8	3775684.9	429.0	3.49	4.00
3.25	YES							
L0010842		0	0.11680E-06	461384.3	3775684.9	429.0	3.49	4.00
3.25	YES							
L0010843		0	0.11680E-06	461392.9	3775684.9	429.0	3.49	4.00
3.25	YES							
L0010844		0	0.11680E-06	461401.5	3775684.9	429.0	3.49	4.00
3.25	YES							
L0010845		0	0.11680E-06	461410.1	3775684.9	429.0	3.49	4.00
3.25	YES							
L0010846		0	0.11680E-06	461416.8	3775686.9	429.0	3.49	4.00
3.25	YES							
L0010847		0	0.11680E-06	461416.5	3775695.4	429.0	3.49	4.00
3.25	YES							
L0010848		0	0.11680E-06	461416.2	3775704.0	429.3	3.49	4.00
3.25	YES							
L0010849		0	0.11680E-06	461415.9	3775712.6	429.5	3.49	4.00
3.25	YES							
L0010850		0	0.11680E-06	461415.6	3775721.2	429.8	3.49	4.00
3.25	YES							
L0010851		0	0.11680E-06	461415.4	3775729.8	430.1	3.49	4.00
3.25	YES							
L0010852		0	0.11680E-06	461415.1	3775738.4	430.4	3.49	4.00
3.25	YES							
L0010853		0	0.11680E-06	461414.8	3775747.0	430.7	3.49	4.00
3.25	YES							
L0010854		0	0.11680E-06	461414.5	3775755.5	431.0	3.49	4.00
3.25	YES							
L0010855		0	0.11680E-06	461414.2	3775764.1	431.0	3.49	4.00
3.25	YES							

PAGE 6
*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ U*

*** VOLUME SOURCE DATA ***

12213 HRA

INIT.	URBAN	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.
SOURCE	SOURCE	EMISSION RATE	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SZ	SCALAR VARY	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	ID		BY					
(METERS)								
L0010875	3.25	0	0.11680E-06	461407.4	3775935.8	434.9	3.49	4.00
YES								
L0010876	3.25	0	0.11680E-06	461407.0	3775944.4	434.9	3.49	4.00
YES								
L0010877	3.25	0	0.11680E-06	461406.7	3775953.0	435.0	3.49	4.00
YES								
L0010878	3.25	0	0.11680E-06	461406.3	3775961.5	435.0	3.49	4.00
YES								
L0010879	3.25	0	0.11680E-06	461406.0	3775970.1	435.1	3.49	4.00
YES								
L0010880	3.25	0	0.11680E-06	461405.6	3775978.7	435.4	3.49	4.00
YES								
L0010881	3.25	0	0.11680E-06	461405.3	3775987.3	435.7	3.49	4.00
YES								
L0010882	3.25	0	0.11680E-06	461405.0	3775995.9	436.0	3.49	4.00
YES								
L0010883	3.25	0	0.11680E-06	461404.6	3776004.5	436.2	3.49	4.00
YES								
L0010884	3.25	0	0.11680E-06	461404.3	3776013.0	436.5	3.49	4.00
YES								
L0010885	3.25	0	0.11680E-06	461403.9	3776021.6	436.7	3.49	4.00
YES								
L0010886	3.25	0	0.11680E-06	461403.7	3776030.2	436.8	3.49	4.00
YES								
L0010887	3.25	0	0.11680E-06	461403.9	3776038.8	436.9	3.49	4.00
YES								
L0010888	3.25	0	0.11680E-06	461404.2	3776047.4	436.9	3.49	4.00
YES								
L0010889	3.25	0	0.11680E-06	461404.5	3776056.0	437.0	3.49	4.00
YES								
L0010890	3.25	0	0.11680E-06	461404.7	3776064.5	437.0	3.49	4.00
YES								
L0010891	3.25	0	0.11680E-06	461405.0	3776073.1	437.0	3.49	4.00
YES								
L0010892	3.25	0	0.11680E-06	461405.3	3776081.7	437.0	3.49	4.00
YES								
L0010893	3.25	0	0.11680E-06	461405.5	3776090.3	437.0	3.49	4.00
YES								

12213 HRA							
L0010894	0	0.11680E-06	461405.8	3776098.9	438.0	3.49	4.00
3.25 YES							
L0010895	0	0.11680E-06	461406.1	3776107.5	438.0	3.49	4.00
3.25 YES							
L0010896	0	0.11680E-06	461406.3	3776116.1	438.0	3.49	4.00
3.25 YES							
L0010897	0	0.11680E-06	461406.6	3776124.6	438.0	3.49	4.00
3.25 YES							
L0010898	0	0.11680E-06	461406.8	3776133.2	438.0	3.49	4.00
3.25 YES							
L0010899	0	0.11680E-06	461407.1	3776141.8	438.0	3.49	4.00
3.25 YES							
L0010900	0	0.11680E-06	461407.4	3776150.4	438.1	3.49	4.00
3.25 YES							
L0010901	0	0.11680E-06	461407.6	3776159.0	438.4	3.49	4.00
3.25 YES							
L0010902	0	0.11680E-06	461407.9	3776167.6	438.7	3.49	4.00
3.25 YES							
L0010903	0	0.11680E-06	461408.2	3776176.2	439.0	3.49	4.00
3.25 YES							
L0010904	0	0.11680E-06	461408.4	3776184.8	439.0	3.49	4.00
3.25 YES							
L0010905	0	0.11680E-06	461408.7	3776193.3	439.0	3.49	4.00
3.25 YES							
L0010906	0	0.11680E-06	461409.0	3776201.9	439.0	3.49	4.00
3.25 YES							
L0010907	0	0.11680E-06	461409.2	3776210.5	439.1	3.49	4.00
3.25 YES							
L0010908	0	0.11680E-06	461409.5	3776219.1	439.4	3.49	4.00
3.25 YES							
L0010909	0	0.11680E-06	461409.7	3776227.7	439.7	3.49	4.00
3.25 YES							
L0010910	0	0.11680E-06	461410.0	3776236.3	440.0	3.49	4.00
3.25 YES							
L0010911	0	0.11680E-06	461410.3	3776244.9	440.3	3.49	4.00
3.25 YES							
L0010912	0	0.11680E-06	461410.5	3776253.4	440.6	3.49	4.00
3.25 YES							
L0010913	0	0.11680E-06	461410.8	3776262.0	440.8	3.49	4.00
3.25 YES							
L0010914	0	0.11680E-06	461411.1	3776270.6	441.0	3.49	4.00
3.25 YES							

12213 HRA
*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION RATE	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
		SCALAR VARY						
ID	CATS.			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	BY							
L0010915	3.25	0	0.11680E-06	461411.3	3776279.2	441.0	3.49	4.00
	YES							
L0010916	3.25	0	0.11680E-06	461411.6	3776287.8	441.0	3.49	4.00
	YES							
L0010917	3.25	0	0.11680E-06	461411.9	3776296.4	441.0	3.49	4.00
	YES							
L0010918	3.25	0	0.11680E-06	461412.1	3776305.0	441.3	3.49	4.00
	YES							
L0010919	3.25	0	0.11680E-06	461412.4	3776313.5	441.6	3.49	4.00
	YES							
L0010920	3.25	0	0.11680E-06	461412.6	3776322.1	441.9	3.49	4.00
	YES							
L0010921	3.25	0	0.11680E-06	461412.9	3776330.7	442.0	3.49	4.00
	YES							
L0010922	3.25	0	0.11680E-06	461413.2	3776339.3	442.0	3.49	4.00
	YES							
L0010923	3.25	0	0.11680E-06	461413.4	3776347.9	442.0	3.49	4.00
	YES							
L0010924	3.25	0	0.11680E-06	461413.7	3776356.5	442.0	3.49	4.00
	YES							
L0010925	3.25	0	0.11680E-06	461414.0	3776365.1	442.3	3.49	4.00
	YES							
L0010926	3.25	0	0.11680E-06	461414.2	3776373.6	442.6	3.49	4.00
	YES							
L0010927	3.25	0	0.11680E-06	461414.5	3776382.2	442.9	3.49	4.00
	YES							
L0010928	3.25	0	0.11680E-06	461414.7	3776390.8	443.1	3.49	4.00
	YES							
L0010929	3.25	0	0.11680E-06	461415.0	3776399.4	443.4	3.49	4.00
	YES							
L0010930	3.25	0	0.11680E-06	461415.3	3776408.0	443.7	3.49	4.00
	YES							
L0010931	3.25	0	0.11680E-06	461415.5	3776416.6	444.0	3.49	4.00
	YES							

12213 HRA							
L0010932	0	0.11680E-06	461415.8	3776425.2	444.0	3.49	4.00
3.25 YES							
L0010933	0	0.11680E-06	461416.0	3776433.7	444.0	3.49	4.00
3.25 YES							
L0010934	0	0.11680E-06	461416.0	3776442.3	444.0	3.49	4.00
3.25 YES							
L0010935	0	0.11680E-06	461416.0	3776450.9	444.2	3.49	4.00
3.25 YES							
L0010936	0	0.11680E-06	461416.1	3776459.5	444.4	3.49	4.00
3.25 YES							
L0010937	0	0.11680E-06	461416.1	3776468.1	444.7	3.49	4.00
3.25 YES							
L0010938	0	0.11680E-06	461416.1	3776476.7	445.0	3.49	4.00
3.25 YES							
L0010939	0	0.11680E-06	461416.2	3776485.3	445.0	3.49	4.00
3.25 YES							
L0010940	0	0.11680E-06	461416.2	3776493.9	445.0	3.49	4.00
3.25 YES							
L0010941	0	0.11680E-06	461416.3	3776502.5	445.0	3.49	4.00
3.25 YES							
L0010942	0	0.11680E-06	461416.3	3776511.1	445.2	3.49	4.00
3.25 YES							
L0010943	0	0.11680E-06	461416.3	3776519.6	445.4	3.49	4.00
3.25 YES							
L0010944	0	0.11680E-06	461416.4	3776528.2	445.7	3.49	4.00
3.25 YES							
L0010945	0	0.11680E-06	461416.4	3776536.8	446.0	3.49	4.00
3.25 YES							
L0010946	0	0.11680E-06	461416.4	3776545.4	446.2	3.49	4.00
3.25 YES							
L0010947	0	0.11680E-06	461416.5	3776554.0	446.4	3.49	4.00
3.25 YES							
L0010948	0	0.11680E-06	461416.5	3776562.6	446.7	3.49	4.00
3.25 YES							
L0010949	0	0.11680E-06	461416.5	3776571.2	446.8	3.49	4.00
3.25 YES							
L0010950	0	0.11680E-06	461416.6	3776579.8	446.9	3.49	4.00
3.25 YES							
L0010951	0	0.11680E-06	461416.6	3776588.4	446.9	3.49	4.00
3.25 YES							
L0010952	0	0.11680E-06	461416.7	3776597.0	447.0	3.49	4.00
3.25 YES							
L0010953	0	0.11680E-06	461416.7	3776605.5	447.3	3.49	4.00
3.25 YES							
L0010954	0	0.11680E-06	461416.7	3776614.1	447.6	3.49	4.00
3.25 YES							

12213 HRA
*** AERMET - VERSION 16216 *** ***
*** 11:02:24

PAGE 8
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION RATE	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
	ID	SCALAR VARY	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	(METERS)	BY						
L0010955	3.25	0	0.11680E-06	461416.8	3776622.7	447.9	3.49	4.00
YES								
L0010956	3.25	0	0.11680E-06	461416.8	3776631.3	448.2	3.49	4.00
YES								
L0010957	3.25	0	0.11680E-06	461416.8	3776639.9	448.4	3.49	4.00
YES								
L0010958	3.25	0	0.11680E-06	461416.9	3776648.5	448.7	3.49	4.00
YES								
L0010959	3.25	0	0.11680E-06	461416.9	3776657.1	449.0	3.49	4.00
YES								
L0010960	3.25	0	0.11680E-06	461416.9	3776665.7	449.3	3.49	4.00
YES								
L0010961	3.25	0	0.11680E-06	461417.0	3776674.3	449.6	3.49	4.00
YES								
L0010962	3.25	0	0.11680E-06	461417.0	3776682.9	449.9	3.49	4.00
YES								
L0010963	3.25	0	0.11680E-06	461417.0	3776691.4	450.0	3.49	4.00
YES								
L0010964	3.25	0	0.11680E-06	461417.1	3776700.0	450.0	3.49	4.00
YES								
L0010965	3.25	0	0.11680E-06	461417.1	3776708.6	450.0	3.49	4.00
YES								
L0010966	3.25	0	0.11680E-06	461417.2	3776717.2	450.0	3.49	4.00
YES								
L0010967	3.25	0	0.11680E-06	461417.2	3776725.8	450.3	3.49	4.00
YES								
L0010968	3.25	0	0.11680E-06	461417.2	3776734.4	450.6	3.49	4.00
YES								
L0010969	3.25	0	0.11680E-06	461417.3	3776743.0	450.9	3.49	4.00
YES								

12213 HRA							
L0010970	0	0.11680E-06	461417.3	3776751.6	451.2	3.49	4.00
3.25 YES							
L0010971	0	0.11680E-06	461417.3	3776760.2	451.5	3.49	4.00
3.25 YES							
L0010972	0	0.11680E-06	461417.4	3776768.8	451.7	3.49	4.00
3.25 YES							
L0010973	0	0.11680E-06	461417.4	3776777.3	452.0	3.49	4.00
3.25 YES							
L0010974	0	0.11680E-06	461417.4	3776785.9	452.0	3.49	4.00
3.25 YES							
L0010975	0	0.11680E-06	461417.5	3776794.5	452.0	3.49	4.00
3.25 YES							
L0010976	0	0.11680E-06	461417.5	3776803.1	452.0	3.49	4.00
3.25 YES							
L0010977	0	0.11680E-06	461417.5	3776811.7	452.1	3.49	4.00
3.25 YES							
L0010978	0	0.11680E-06	461417.6	3776820.3	452.3	3.49	4.00
3.25 YES							
L0010979	0	0.11680E-06	461417.6	3776828.9	452.5	3.49	4.00
3.25 YES							
L0010980	0	0.11680E-06	461417.7	3776837.5	452.7	3.49	4.00
3.25 YES							
L0010981	0	0.11680E-06	461417.7	3776846.1	452.8	3.49	4.00
3.25 YES							
L0010982	0	0.11680E-06	461417.7	3776854.7	452.9	3.49	4.00
3.25 YES							
L0010983	0	0.11680E-06	461417.8	3776863.2	453.0	3.49	4.00
3.25 YES							
L0010984	0	0.11680E-06	461417.8	3776871.8	453.2	3.49	4.00
3.25 YES							
L0010985	0	0.11680E-06	461417.8	3776880.4	453.5	3.49	4.00
3.25 YES							
L0010986	0	0.11680E-06	461417.9	3776889.0	453.8	3.49	4.00
3.25 YES							
L0010987	0	0.11680E-06	461417.9	3776897.6	454.0	3.49	4.00
3.25 YES							
L0010988	0	0.11680E-06	461417.9	3776906.2	454.0	3.49	4.00
3.25 YES							
L0010989	0	0.11680E-06	461418.0	3776914.8	454.0	3.49	4.00
3.25 YES							
L0010990	0	0.11680E-06	461418.0	3776923.4	454.0	3.49	4.00
3.25 YES							
L0010991	0	0.11680E-06	461418.1	3776932.0	454.1	3.49	4.00
3.25 YES							
L0010992	0	0.11680E-06	461418.1	3776940.5	454.3	3.49	4.00
3.25 YES							
L0010993	0	0.11680E-06	461418.1	3776949.1	454.5	3.49	4.00
3.25 YES							

12213 HRA

L0010994	0	0.11680E-06	461418.2	3776957.7	454.7	3.49	4.00
3.25	YES						
↑ *** AERMOD - VERSION 16216r ***				*** C:\LAKES\AERMOD VIEW\12213 HRA\12213			
HRA.ISC				*** 12/04/18			
*** AERMET - VERSION 16216 ***				***			
				*** 11:02:24			
PAGE 9							
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*							

*** VOLUME SOURCE DATA ***

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

L0010995	0	0.11680E-06	461418.2	3776966.3	454.8	3.49	4.00
3.25	YES						
L0010996	0	0.11680E-06	461418.2	3776974.9	454.9	3.49	4.00
3.25	YES						
L0010997	0	0.11680E-06	461418.3	3776983.5	455.0	3.49	4.00
3.25	YES						
L0010998	0	0.11680E-06	461418.3	3776992.1	455.2	3.49	4.00
3.25	YES						
L0010999	0	0.11680E-06	461418.3	3777000.7	455.5	3.49	4.00
3.25	YES						
L0011000	0	0.11680E-06	461418.4	3777009.3	455.8	3.49	4.00
3.25	YES						
L0011001	0	0.11680E-06	461418.4	3777017.9	456.0	3.49	4.00
3.25	YES						
L0011002	0	0.11680E-06	461418.4	3777026.4	456.0	3.49	4.00
3.25	YES						
L0011003	0	0.11680E-06	461418.5	3777035.0	456.0	3.49	4.00
3.25	YES						
L0011004	0	0.11680E-06	461418.5	3777043.6	456.0	3.49	4.00
3.25	YES						
L0011005	0	0.11680E-06	461418.6	3777052.2	456.2	3.49	4.00
3.25	YES						
L0011006	0	0.11680E-06	461418.6	3777060.8	456.5	3.49	4.00
3.25	YES						
L0011007	0	0.11680E-06	461418.6	3777069.4	456.8	3.49	4.00
3.25	YES						

12213 HRA						
L0011008 3.25 YES	0	0.11680E-06	461418.7 3777078.0	457.0	3.49	4.00
L0011009 3.25 YES	0	0.11680E-06	461418.7 3777086.6	457.2	3.49	4.00
L0011010 3.25 YES	0	0.11680E-06	461418.7 3777095.2	457.4	3.49	4.00
L0011011 3.25 YES	0	0.11680E-06	461418.8 3777103.8	457.6	3.49	4.00
L0011012 3.25 YES	0	0.11680E-06	461418.8 3777112.3	457.8	3.49	4.00
L0011013 3.25 YES	0	0.11680E-06	461418.8 3777120.9	457.8	3.49	4.00
L0011014 3.25 YES	0	0.11680E-06	461418.9 3777129.5	457.9	3.49	4.00
L0011015 3.25 YES	0	0.11680E-06	461418.9 3777138.1	458.1	3.49	4.00
L0011016 3.25 YES	0	0.11680E-06	461418.9 3777146.7	458.3	3.49	4.00
L0011017 3.25 YES	0	0.11680E-06	461419.0 3777155.3	458.6	3.49	4.00
L0011018 3.25 YES	0	0.11680E-06	461419.0 3777163.9	458.9	3.49	4.00
L0011019 3.25 YES	0	0.11680E-06	461419.1 3777172.5	459.2	3.49	4.00
L0011020 3.25 YES	0	0.11680E-06	461419.1 3777181.1	459.5	3.49	4.00
L0011021 3.25 YES	0	0.11680E-06	461419.1 3777189.7	459.8	3.49	4.00
L0011022 3.25 YES	0	0.11680E-06	461419.2 3777198.2	460.0	3.49	4.00
L0011023 3.25 YES	0	0.11680E-06	461419.2 3777206.8	460.0	3.49	4.00
L0011024 3.25 YES	0	0.11680E-06	461419.2 3777215.4	460.0	3.49	4.00
L0011025 3.25 YES	0	0.11680E-06	461419.3 3777224.0	460.0	3.49	4.00
L0011026 3.25 YES	0	0.11680E-06	461419.3 3777232.6	460.2	3.49	4.00
L0011027 3.25 YES	0	0.11680E-06	461419.3 3777241.2	460.5	3.49	4.00
L0011028 3.25 YES	0	0.11680E-06	461419.4 3777249.8	460.8	3.49	4.00
L0011029 3.25 YES	0	0.11680E-06	461419.4 3777258.4	461.1	3.49	4.00
L0011030 3.25 YES	0	0.11680E-06	461419.5 3777267.0	461.4	3.49	4.00
L0011031 3.25 YES	0	0.11680E-06	461419.5 3777275.6	461.6	3.49	4.00

12213 HRA							
L0011032	0	0.11680E-06	461419.5	3777284.1	461.9	3.49	4.00
3.25 YES							
L0011033	0	0.11680E-06	461419.6	3777292.7	462.0	3.49	4.00
3.25 YES							
L0011034	0	0.11680E-06	461419.6	3777301.3	462.0	3.49	4.00
3.25 YES							
*** AERMOD - VERSION 16216r ***			*** C:\LAKES\AERMOD VIEW\12213 HRA\12213				
HRA.ISC			***	12/04/18			
*** AERMET - VERSION 16216 ***			***				
			***	11:02:24			

PAGE 10

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE	BASE	RELEASE	INIT.		
SOURCE		EMISSION RATE					
SZ	SOURCE	PART. (GRAMS/SEC)	X	Y	ELEV.		
ID		SCALAR VARY			HEIGHT		
(METERS)		CATS.	(METERS)	(METERS)	(METERS)		
		BY					
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -		
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -		
L0011035	0	0.11680E-06	461419.6	3777309.9	462.0	3.49	4.00
3.25 YES							
L0011036	0	0.11680E-06	461419.7	3777318.5	462.1	3.49	4.00
3.25 YES							
L0011037	0	0.11680E-06	461419.7	3777327.1	462.4	3.49	4.00
3.25 YES							
L0011038	0	0.11680E-06	461419.7	3777335.7	462.6	3.49	4.00
3.25 YES							
L0011039	0	0.11680E-06	461419.8	3777344.3	462.9	3.49	4.00
3.25 YES							
L0011040	0	0.11680E-06	461419.8	3777352.9	463.1	3.49	4.00
3.25 YES							
L0011041	0	0.11680E-06	461419.8	3777361.5	463.3	3.49	4.00
3.25 YES							
L0011042	0	0.11680E-06	461419.9	3777370.0	463.5	3.49	4.00
3.25 YES							
L0011043	0	0.11680E-06	461419.9	3777378.6	463.7	3.49	4.00
3.25 YES							
L0011044	0	0.11680E-06	461420.0	3777387.2	463.8	3.49	4.00
3.25 YES							
L0011045	0	0.11680E-06	461420.0	3777395.8	463.9	3.49	4.00
3.25 YES							

12213 HRA							
L0011046	0	0.11680E-06	461420.0	3777404.4	464.0	3.49	4.00
3.25 YES							
L0011047	0	0.11680E-06	461420.1	3777413.0	464.2	3.49	4.00
3.25 YES							
L0011048	0	0.11680E-06	461420.1	3777421.6	464.5	3.49	4.00
3.25 YES							
L0011049	0	0.11680E-06	461420.1	3777430.2	464.8	3.49	4.00
3.25 YES							
L0011050	0	0.11680E-06	461420.2	3777438.8	465.0	3.49	4.00
3.25 YES							
L0011051	0	0.11680E-06	461420.2	3777447.4	465.0	3.49	4.00
3.25 YES							
L0011052	0	0.11680E-06	461420.2	3777455.9	465.0	3.49	4.00
3.25 YES							
L0011053	0	0.11680E-06	461420.3	3777464.5	465.0	3.49	4.00
3.25 YES							
L0011054	0	0.11680E-06	461420.3	3777473.1	465.2	3.49	4.00
3.25 YES							
L0011055	0	0.11680E-06	461420.3	3777481.7	465.5	3.49	4.00
3.25 YES							
L0011056	0	0.11680E-06	461420.4	3777490.3	465.8	3.49	4.00
3.25 YES							
L0011057	0	0.11680E-06	461420.4	3777498.9	466.1	3.49	4.00
3.25 YES							
L0011058	0	0.11680E-06	461420.5	3777507.5	466.2	3.49	4.00
3.25 YES							
L0011059	0	0.11680E-06	461420.5	3777516.1	466.4	3.49	4.00
3.25 YES							
L0011060	0	0.11680E-06	461420.5	3777524.7	466.6	3.49	4.00
3.25 YES							
L0011061	0	0.11680E-06	461420.6	3777533.3	466.7	3.49	4.00
3.25 YES							
L0011062	0	0.11680E-06	461420.6	3777541.8	466.8	3.49	4.00
3.25 YES							
L0011063	0	0.11680E-06	461420.6	3777550.4	466.9	3.49	4.00
3.25 YES							
L0011064	0	0.11680E-06	461420.7	3777559.0	467.1	3.49	4.00
3.25 YES							
L0011065	0	0.11680E-06	461420.7	3777567.6	467.4	3.49	4.00
3.25 YES							
L0011066	0	0.11680E-06	461420.7	3777576.2	467.7	3.49	4.00
3.25 YES							
L0011067	0	0.11680E-06	461420.8	3777584.8	467.9	3.49	4.00
3.25 YES							
L0011068	0	0.11680E-06	461420.8	3777593.4	468.1	3.49	4.00
3.25 YES							
L0011069	0	0.11680E-06	461420.9	3777602.0	468.3	3.49	4.00
3.25 YES							

12213 HRA							
L0011070 3.25 YES	0	0.11680E-06	461420.9	3777610.6	468.5	3.49	4.00
L0011071 3.25 YES	0	0.58360E-07	460838.0	3775693.5	431.0	3.49	4.00
L0011072 3.25 YES	0	0.58360E-07	460829.4	3775693.6	431.0	3.49	4.00
L0011073 3.25 YES	0	0.58360E-07	460820.8	3775693.6	431.0	3.49	4.00
L0011074 3.25 YES	0	0.58360E-07	460812.2	3775693.7	431.0	3.49	4.00
*** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213							
HRA.ISC *** 12/04/18							
*** AERMET - VERSION 16216 *** ***							
*** 11:02:24							

PAGE 11
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

L0011075 3.25 YES	0	0.58360E-07	460803.6	3775693.8	431.0	3.49	4.00
L0011076 3.25 YES	0	0.58360E-07	460795.1	3775693.8	431.0	3.49	4.00
L0011077 3.25 YES	0	0.58360E-07	460786.5	3775693.9	431.0	3.49	4.00
L0011078 3.25 YES	0	0.58360E-07	460777.9	3775693.9	431.0	3.49	4.00
L0011079 3.25 YES	0	0.58360E-07	460769.3	3775694.0	431.0	3.49	4.00
L0011080 3.25 YES	0	0.58360E-07	460760.7	3775694.1	431.0	3.49	4.00
L0011081 3.25 YES	0	0.58360E-07	460752.1	3775694.1	431.0	3.49	4.00
L0011082 3.25 YES	0	0.58360E-07	460743.5	3775694.2	431.0	3.49	4.00
L0011083 3.25 YES	0	0.58360E-07	460734.9	3775694.3	431.0	3.49	4.00

			12213	HRA					
L0011084	3.25	YES	0	0.58360E-07	460726.3	3775694.3	431.0	3.49	4.00
L0011085	3.25	YES	0	0.58360E-07	460717.7	3775694.4	431.0	3.49	4.00
L0011086	3.25	YES	0	0.58360E-07	460709.2	3775694.5	431.0	3.49	4.00
L0011087	3.25	YES	0	0.58360E-07	460700.6	3775694.5	431.0	3.49	4.00
L0011088	3.25	YES	0	0.58360E-07	460692.0	3775694.6	431.0	3.49	4.00
L0011089	3.25	YES	0	0.58360E-07	460683.4	3775694.6	431.0	3.49	4.00
L0011090	3.25	YES	0	0.58360E-07	460674.8	3775694.7	431.0	3.49	4.00
L0011091	3.25	YES	0	0.58360E-07	460666.2	3775694.8	431.0	3.49	4.00
L0011092	3.25	YES	0	0.58360E-07	460657.6	3775694.8	431.0	3.49	4.00
L0011093	3.25	YES	0	0.58360E-07	460649.0	3775694.9	431.0	3.49	4.00
L0011094	3.25	YES	0	0.58360E-07	460640.4	3775695.0	431.0	3.49	4.00
L0011095	3.25	YES	0	0.58360E-07	460631.8	3775695.0	431.0	3.49	4.00
L0011096	3.25	YES	0	0.58360E-07	460623.3	3775695.1	431.0	3.49	4.00
L0011097	3.25	YES	0	0.58360E-07	460614.7	3775695.2	431.0	3.49	4.00
L0011098	3.25	YES	0	0.58360E-07	460606.1	3775695.2	431.0	3.49	4.00
L0011099	3.25	YES	0	0.58360E-07	460597.5	3775695.3	431.0	3.49	4.00
L0011100	3.25	YES	0	0.58360E-07	460588.9	3775695.4	431.0	3.49	4.00
L0011101	3.25	YES	0	0.58360E-07	460580.3	3775695.6	431.0	3.49	4.00
L0011102	3.25	YES	0	0.58360E-07	460571.7	3775695.8	431.0	3.49	4.00
L0011103	3.25	YES	0	0.58360E-07	460563.1	3775696.0	431.2	3.49	4.00
L0011104	3.25	YES	0	0.58360E-07	460554.5	3775696.1	431.5	3.49	4.00
L0011105	3.25	YES	0	0.58360E-07	460546.0	3775696.3	431.8	3.49	4.00
L0011106	3.25	YES	0	0.58360E-07	460537.4	3775696.5	432.0	3.49	4.00
L0011107	3.25	YES	0	0.58360E-07	460528.8	3775696.6	432.0	3.49	4.00

12213 HRA							
L0011108 3.25 YES	0	0.58360E-07	460520.2	3775696.8	432.0	3.49	4.00
L0011109 3.25 YES	0	0.58360E-07	460511.6	3775697.0	432.0	3.49	4.00
L0011110 3.25 YES	0	0.58360E-07	460503.0	3775697.2	432.0	3.49	4.00
L0011111 3.25 YES	0	0.58360E-07	460494.4	3775697.3	432.0	3.49	4.00
L0011112 3.25 YES	0	0.58360E-07	460485.8	3775697.5	432.0	3.49	4.00
L0011113 3.25 YES	0	0.58360E-07	460477.3	3775697.7	432.1	3.49	4.00
L0011114 3.25 YES	0	0.58360E-07	460468.7	3775697.9	432.1	3.49	4.00
↑ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213							
HRA.ISC					12/04/18		
*** AERMET - VERSION 16216 *** ***							
				11:02:24			

PAGE 12
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE			BASE	RELEASE	INIT.		
SOURCE		EMISSION RATE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR VARY	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	ID		BY						
(METERS)									
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
L0011115 3.25 YES	0	0.58360E-07	460460.1	3775698.0	432.1	3.49	4.00		
L0011116 3.25 YES	0	0.58360E-07	460451.5	3775698.2	432.1	3.49	4.00		
L0011117 3.25 YES	0	0.58360E-07	460442.9	3775698.4	432.1	3.49	4.00		
L0011118 3.25 YES	0	0.58360E-07	460434.3	3775698.5	432.0	3.49	4.00		
L0011119 3.25 YES	0	0.58360E-07	460425.7	3775698.7	432.0	3.49	4.00		
L0011120 3.25 YES	0	0.58360E-07	460417.1	3775698.9	432.0	3.49	4.00		
L0011121 3.25 YES	0	0.58360E-07	460408.5	3775699.1	432.0	3.49	4.00		

12213 HRA							
L0011122	0	0.58360E-07	460400.0	3775699.2	432.0	3.49	4.00
3.25 YES							
L0011123	0	0.58360E-07	460391.4	3775699.4	432.0	3.49	4.00
3.25 YES							
L0011124	0	0.58360E-07	460382.8	3775699.6	432.0	3.49	4.00
3.25 YES							
L0011125	0	0.58360E-07	460374.2	3775699.8	432.0	3.49	4.00
3.25 YES							
L0011126	0	0.58360E-07	460365.6	3775699.9	432.0	3.49	4.00
3.25 YES							
L0011127	0	0.58360E-07	460357.0	3775700.1	432.0	3.49	4.00
3.25 YES							
L0011128	0	0.58360E-07	460348.4	3775700.3	432.0	3.49	4.00
3.25 YES							
L0011129	0	0.58360E-07	460339.8	3775700.5	432.0	3.49	4.00
3.25 YES							
L0011130	0	0.58360E-07	460331.3	3775700.6	432.0	3.49	4.00
3.25 YES							
L0011131	0	0.58360E-07	460322.7	3775700.8	432.0	3.49	4.00
3.25 YES							
L0011132	0	0.58360E-07	460314.1	3775701.0	432.0	3.49	4.00
3.25 YES							
L0011133	0	0.58360E-07	460305.5	3775701.1	432.0	3.49	4.00
3.25 YES							
L0011134	0	0.58360E-07	460296.9	3775701.3	432.0	3.49	4.00
3.25 YES							
L0011135	0	0.58360E-07	460288.3	3775701.5	432.0	3.49	4.00
3.25 YES							
L0011136	0	0.58360E-07	460279.7	3775701.7	432.0	3.49	4.00
3.25 YES							
L0011137	0	0.58360E-07	460271.1	3775701.8	432.0	3.49	4.00
3.25 YES							
L0011138	0	0.58360E-07	460262.5	3775702.0	432.0	3.49	4.00
3.25 YES							
L0011139	0	0.58360E-07	460254.0	3775702.2	432.0	3.49	4.00
3.25 YES							
L0011140	0	0.58360E-07	460245.4	3775702.4	432.0	3.49	4.00
3.25 YES							
L0011141	0	0.58360E-07	460236.8	3775702.5	432.0	3.49	4.00
3.25 YES							
L0011142	0	0.58360E-07	460228.2	3775702.7	432.1	3.49	4.00
3.25 YES							
L0011143	0	0.58360E-07	460219.6	3775702.9	432.2	3.49	4.00
3.25 YES							
L0011144	0	0.58360E-07	460211.0	3775703.0	432.2	3.49	4.00
3.25 YES							
L0011145	0	0.58360E-07	460202.4	3775703.2	432.2	3.49	4.00
3.25 YES							

PAGE 13

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE			BASE	RELEASE	INIT.		
		EMISSION RATE	PART.	(GRAMS/SEC)					
SZ	SOURCE	SCALAR VARY	X	Y	ELEV.	HEIGHT	SY		
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		
(METERS)		BY							
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -		
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -		
L0011155	3.25	YES	0	0.58360E-07	460116.5	3775704.1	432.3	3.49	4.00
L0011156	3.25	YES	0	0.58360E-07	460107.9	3775704.2	432.3	3.49	4.00
L0011157	3.25	YES	0	0.58360E-07	460099.4	3775704.3	432.3	3.49	4.00
L0011158	3.25	YES	0	0.58360E-07	460090.8	3775704.4	432.3	3.49	4.00
L0011159	3.25	YES	0	0.58360E-07	460082.2	3775704.4	432.2	3.49	4.00

			12213 HRA					
L0011160	3.25	YES	0	0.58360E-07	460073.6 3775704.5	432.1	3.49	4.00
L0011161	3.25	YES	0	0.58360E-07	460065.0 3775704.6	432.1	3.49	4.00
L0011162	3.25	YES	0	0.58360E-07	460056.4 3775704.7	432.0	3.49	4.00
L0011163	3.25	YES	0	0.58360E-07	460047.8 3775704.8	432.0	3.49	4.00
L0011164	3.25	YES	0	0.58360E-07	460039.2 3775704.8	432.0	3.49	4.00
L0011165	3.25	YES	0	0.58360E-07	460030.6 3775704.9	432.0	3.49	4.00
L0011166	3.25	YES	0	0.58360E-07	460022.0 3775705.0	432.0	3.49	4.00
L0011167	3.25	YES	0	0.58360E-07	460013.5 3775705.1	432.0	3.49	4.00
L0011168	3.25	YES	0	0.58360E-07	460004.9 3775705.2	432.0	3.49	4.00
L0011169	3.25	YES	0	0.58360E-07	459996.3 3775705.2	431.9	3.49	4.00
L0011170	3.25	YES	0	0.58360E-07	459987.7 3775705.3	431.7	3.49	4.00
L0011171	3.25	YES	0	0.58360E-07	459979.1 3775705.4	431.5	3.49	4.00
L0011172	3.25	YES	0	0.58360E-07	459970.5 3775705.5	431.3	3.49	4.00
L0011173	3.25	YES	0	0.58360E-07	459961.9 3775705.5	431.3	3.49	4.00
L0011174	3.25	YES	0	0.58360E-07	459953.3 3775705.6	431.3	3.49	4.00
L0011175	3.25	YES	0	0.58360E-07	459944.7 3775705.7	431.3	3.49	4.00
L0011176	3.25	YES	0	0.58360E-07	459936.2 3775705.8	431.3	3.49	4.00
L0011177	3.25	YES	0	0.58360E-07	459927.6 3775705.9	431.3	3.49	4.00
L0011178	3.25	YES	0	0.58360E-07	459919.0 3775705.9	431.3	3.49	4.00
L0011179	3.25	YES	0	0.58360E-07	459910.4 3775706.0	431.3	3.49	4.00
L0011180	3.25	YES	0	0.58360E-07	459901.8 3775706.1	431.3	3.49	4.00
L0011181	3.25	YES	0	0.58360E-07	459893.2 3775706.2	431.3	3.49	4.00
L0011182	3.25	YES	0	0.58360E-07	459884.6 3775706.3	431.3	3.49	4.00
L0011183	3.25	YES	0	0.58360E-07	459876.0 3775706.3	431.3	3.49	4.00

PAGE 14

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION RATE						
		PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID	SOURCE	SCALAR	VARY					
(METERS)		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
BY								
L0011195 3.25	YES	0	0.58360E-07	459805.2	3775740.7	432.5	3.49	4.00
L0011196 3.25	YES	0	0.58360E-07	459804.8	3775749.3	432.8	3.49	4.00
L0011197 3.25	YES	0	0.58360E-07	459804.4	3775757.8	433.0	3.49	4.00

12213 HRA							
L0011198	0	0.58360E-07	459804.1	3775766.4	433.0	3.49	4.00
3.25 YES							
L0011199	0	0.58360E-07	459803.7	3775775.0	433.0	3.49	4.00
3.25 YES							
L0011200	0	0.58360E-07	459803.3	3775783.6	433.0	3.49	4.00
3.25 YES							
L0011201	0	0.58360E-07	459802.9	3775792.2	433.2	3.49	4.00
3.25 YES							
L0011202	0	0.58360E-07	459802.5	3775800.8	433.5	3.49	4.00
3.25 YES							
L0011203	0	0.58360E-07	459802.2	3775809.3	433.8	3.49	4.00
3.25 YES							
L0011204	0	0.58360E-07	459801.8	3775817.9	434.0	3.49	4.00
3.25 YES							
L0011205	0	0.58360E-07	459801.4	3775826.5	434.0	3.49	4.00
3.25 YES							
L0011206	0	0.58360E-07	459801.0	3775835.1	434.0	3.49	4.00
3.25 YES							
L0011207	0	0.58360E-07	459800.6	3775843.7	434.0	3.49	4.00
3.25 YES							
L0011208	0	0.58360E-07	459800.3	3775852.2	434.2	3.49	4.00
3.25 YES							
L0011209	0	0.58360E-07	459799.9	3775860.8	434.5	3.49	4.00
3.25 YES							
L0011210	0	0.58360E-07	459799.5	3775869.4	434.8	3.49	4.00
3.25 YES							
L0011211	0	0.58360E-07	459799.1	3775878.0	435.1	3.49	4.00
3.25 YES							
L0011212	0	0.58360E-07	459798.7	3775886.6	435.3	3.49	4.00
3.25 YES							
L0011213	0	0.58360E-07	459798.4	3775895.2	435.6	3.49	4.00
3.25 YES							
L0011214	0	0.58360E-07	459798.0	3775903.7	435.9	3.49	4.00
3.25 YES							
L0011215	0	0.58360E-07	459797.6	3775912.3	436.0	3.49	4.00
3.25 YES							
L0011216	0	0.58360E-07	459797.2	3775920.9	436.0	3.49	4.00
3.25 YES							
L0011217	0	0.58360E-07	459796.8	3775929.5	436.0	3.49	4.00
3.25 YES							
L0011218	0	0.58360E-07	459796.5	3775938.1	436.1	3.49	4.00
3.25 YES							
L0011219	0	0.58360E-07	459796.1	3775946.6	436.3	3.49	4.00
3.25 YES							
L0011220	0	0.58360E-07	459795.7	3775955.2	436.6	3.49	4.00
3.25 YES							
L0011221	0	0.58360E-07	459795.3	3775963.8	436.9	3.49	4.00
3.25 YES							

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

12213 HRA							
L0011236	0	0.58360E-07	459795.3	3776092.6	439.0	3.49	4.00
3.25 YES							
L0011237	0	0.58360E-07	459795.4	3776101.2	439.0	3.49	4.00
3.25 YES							
L0011238	0	0.58360E-07	459795.4	3776109.8	439.0	3.49	4.00
3.25 YES							
L0011239	0	0.58360E-07	459795.4	3776118.4	439.1	3.49	4.00
3.25 YES							
L0011240	0	0.58360E-07	459795.5	3776127.0	439.4	3.49	4.00
3.25 YES							
L0011241	0	0.58360E-07	459795.5	3776135.6	439.6	3.49	4.00
3.25 YES							
L0011242	0	0.58360E-07	459795.5	3776144.2	439.9	3.49	4.00
3.25 YES							
L0011243	0	0.58360E-07	459795.6	3776152.8	440.0	3.49	4.00
3.25 YES							
L0011244	0	0.58360E-07	459795.6	3776161.4	440.0	3.49	4.00
3.25 YES							
L0011245	0	0.58360E-07	459795.6	3776170.0	440.0	3.49	4.00
3.25 YES							
L0011246	0	0.58360E-07	459795.6	3776178.5	440.1	3.49	4.00
3.25 YES							
L0011247	0	0.58360E-07	459795.7	3776187.1	440.4	3.49	4.00
3.25 YES							
L0011248	0	0.58360E-07	459795.7	3776195.7	440.6	3.49	4.00
3.25 YES							
L0011249	0	0.58360E-07	459795.7	3776204.3	440.9	3.49	4.00
3.25 YES							
L0011250	0	0.58360E-07	459795.8	3776212.9	441.2	3.49	4.00
3.25 YES							
L0011251	0	0.58360E-07	459795.8	3776221.5	441.5	3.49	4.00
3.25 YES							
L0011252	0	0.58360E-07	459795.8	3776230.1	441.8	3.49	4.00
3.25 YES							
L0011253	0	0.58360E-07	459795.9	3776238.7	442.0	3.49	4.00
3.25 YES							
L0011254	0	0.58360E-07	459795.9	3776247.3	442.0	3.49	4.00
3.25 YES							
L0011255	0	0.58360E-07	459795.9	3776255.9	442.0	3.49	4.00
3.25 YES							
L0011256	0	0.58360E-07	459796.0	3776264.4	442.0	3.49	4.00
3.25 YES							
L0011257	0	0.58360E-07	459796.0	3776273.0	442.2	3.49	4.00
3.25 YES							
L0011258	0	0.58360E-07	459796.0	3776281.6	442.5	3.49	4.00
3.25 YES							
L0011259	0	0.58360E-07	459796.1	3776290.2	442.8	3.49	4.00
3.25 YES							

12213 HRA							
L0011260 3.25 YES	0	0.58360E-07	459796.1	3776298.8	443.1	3.49	4.00
L0011261 3.25 YES	0	0.58360E-07	459796.1	3776307.4	443.4	3.49	4.00
L0011262 3.25 YES	0	0.58360E-07	459796.1	3776316.0	443.7	3.49	4.00
L0011263 3.25 YES	0	0.58360E-07	459796.2	3776324.6	443.9	3.49	4.00
L0011264 3.25 YES	0	0.58360E-07	459796.2	3776333.2	444.1	3.49	4.00
L0011265 3.25 YES	0	0.58360E-07	459796.2	3776341.8	444.1	3.49	4.00
L0011266 3.25 YES	0	0.58360E-07	459796.3	3776350.3	444.2	3.49	4.00
L0011267 3.25 YES	0	0.58360E-07	459796.3	3776358.9	444.3	3.49	4.00
L0011268 3.25 YES	0	0.58360E-07	459796.3	3776367.5	444.5	3.49	4.00
L0011269 3.25 YES	0	0.58360E-07	459796.4	3776376.1	444.7	3.49	4.00
L0011270 3.25 YES	0	0.58360E-07	459796.4	3776384.7	444.9	3.49	4.00
L0011271 3.25 YES	0	0.58360E-07	459796.4	3776393.3	445.2	3.49	4.00
L0011272 3.25 YES	0	0.58360E-07	459796.5	3776401.9	445.5	3.49	4.00
L0011273 3.25 YES	0	0.58360E-07	459796.5	3776410.5	445.8	3.49	4.00
L0011274 3.25 YES	0	0.58360E-07	459796.5	3776419.1	446.0	3.49	4.00

PAGE 16

*** VOLUME SOURCE DATA ***

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

12213 HRA

L0011275	0	0.58360E-07	459796.5	3776427.7	446.0	3.49	4.00
3.25 YES							
L0011276	0	0.58360E-07	459796.6	3776436.2	446.0	3.49	4.00
3.25 YES							
L0011277	0	0.58360E-07	459796.6	3776444.8	446.0	3.49	4.00
3.25 YES							
L0011278	0	0.58360E-07	459796.7	3776453.4	446.2	3.49	4.00
3.25 YES							
L0011279	0	0.58360E-07	459796.8	3776462.0	446.5	3.49	4.00
3.25 YES							
L0011280	0	0.58360E-07	459796.9	3776470.6	446.8	3.49	4.00
3.25 YES							
L0011281	0	0.58360E-07	459797.0	3776479.2	447.1	3.49	4.00
3.25 YES							
L0011282	0	0.58360E-07	459797.1	3776487.8	447.4	3.49	4.00
3.25 YES							
L0011283	0	0.58360E-07	459797.1	3776496.4	447.7	3.49	4.00
3.25 YES							
L0011284	0	0.58360E-07	459797.2	3776505.0	447.9	3.49	4.00
3.25 YES							
L0011285	0	0.58360E-07	459797.3	3776513.5	448.0	3.49	4.00
3.25 YES							
L0011286	0	0.58360E-07	459797.4	3776522.1	448.0	3.49	4.00
3.25 YES							
L0011287	0	0.58360E-07	459797.5	3776530.7	448.0	3.49	4.00
3.25 YES							
L0011288	0	0.58360E-07	459797.6	3776539.3	448.1	3.49	4.00
3.25 YES							
L0011289	0	0.58360E-07	459797.6	3776547.9	448.4	3.49	4.00
3.25 YES							
L0011290	0	0.58360E-07	459797.7	3776556.5	448.7	3.49	4.00
3.25 YES							
L0011291	0	0.58360E-07	459797.8	3776565.1	448.9	3.49	4.00
3.25 YES							
L0011292	0	0.58360E-07	459797.9	3776573.7	449.2	3.49	4.00
3.25 YES							
L0011293	0	0.58360E-07	459798.0	3776582.3	449.5	3.49	4.00
3.25 YES							
L0011294	0	0.58360E-07	459798.1	3776590.9	449.8	3.49	4.00
3.25 YES							
L0011295	0	0.58360E-07	459798.2	3776599.4	450.0	3.49	4.00
3.25 YES							
L0011296	0	0.58360E-07	459798.2	3776608.0	450.0	3.49	4.00
3.25 YES							
L0011297	0	0.58360E-07	459798.3	3776616.6	450.0	3.49	4.00
3.25 YES							

12213 HRA							
L0011298 3.25 YES	0	0.58360E-07	459798.4	3776625.2	450.0	3.49	4.00
L0011299 3.25 YES	0	0.58360E-07	459798.5	3776633.8	450.2	3.49	4.00
L0011300 3.25 YES	0	0.58360E-07	459798.6	3776642.4	450.5	3.49	4.00
L0011301 3.25 YES	0	0.58360E-07	459798.7	3776651.0	450.8	3.49	4.00
L0011302 3.25 YES	0	0.58360E-07	459798.7	3776659.6	451.1	3.49	4.00
L0011303 3.25 YES	0	0.58360E-07	459798.8	3776668.2	451.4	3.49	4.00
L0011304 3.25 YES	0	0.58360E-07	459798.9	3776676.8	451.7	3.49	4.00
L0011305 3.25 YES	0	0.58360E-07	459799.0	3776685.3	452.0	3.49	4.00
L0011306 3.25 YES	0	0.58360E-07	459799.1	3776693.9	452.0	3.49	4.00
L0011307 3.25 YES	0	0.58360E-07	459799.2	3776702.5	452.0	3.49	4.00
L0011308 3.25 YES	0	0.58360E-07	459799.2	3776711.1	452.0	3.49	4.00
L0011309 3.25 YES	0	0.58360E-07	459799.3	3776719.7	452.1	3.49	4.00
L0011310 3.25 YES	0	0.58360E-07	459799.4	3776728.3	452.4	3.49	4.00
L0011311 3.25 YES	0	0.58360E-07	459799.5	3776736.9	452.7	3.49	4.00
L0011312 3.25 YES	0	0.58360E-07	459799.6	3776745.5	453.0	3.49	4.00
L0011313 3.25 YES	0	0.58360E-07	459799.7	3776754.1	453.2	3.49	4.00
L0011314 3.25 YES	0	0.58360E-07	459799.7	3776762.6	453.5	3.49	4.00

PAGE 17

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE EMISSION RATE		BASE	RELEASE	INIT.	
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HGTHT	SY

12213 HRA

SZ	SOURCE	SCALAR VARY CATS.	VARY BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0011315		0	0.58360E-07	459799.8	3776771.2	453.8	3.49	4.00
3.25	YES							
L0011316		0	0.58360E-07	459799.9	3776779.8	454.0	3.49	4.00
3.25	YES							
L0011317		0	0.58360E-07	459800.0	3776788.4	454.1	3.49	4.00
3.25	YES							
L0011318		0	0.58360E-07	459800.1	3776797.0	454.2	3.49	4.00
3.25	YES							
L0011319		0	0.58360E-07	459800.2	3776805.6	454.3	3.49	4.00
3.25	YES							
L0011320		0	0.58360E-07	459800.2	3776814.2	454.5	3.49	4.00
3.25	YES							
L0011321		0	0.58360E-07	459800.3	3776822.8	454.7	3.49	4.00
3.25	YES							
L0011322		0	0.58360E-07	459800.4	3776831.4	454.9	3.49	4.00
3.25	YES							
L0011323		0	0.58360E-07	459800.5	3776840.0	455.1	3.49	4.00
3.25	YES							
L0011324		0	0.58360E-07	459800.6	3776848.5	455.4	3.49	4.00
3.25	YES							
L0011325		0	0.58360E-07	459800.7	3776857.1	455.7	3.49	4.00
3.25	YES							
L0011326		0	0.58360E-07	459800.8	3776865.7	456.0	3.49	4.00
3.25	YES							
L0011327		0	0.58360E-07	459800.8	3776874.3	456.3	3.49	4.00
3.25	YES							
L0011328		0	0.58360E-07	459800.9	3776882.9	456.6	3.49	4.00
3.25	YES							
L0011329		0	0.58360E-07	459801.0	3776891.5	456.8	3.49	4.00
3.25	YES							
L0011330		0	0.58360E-07	459801.1	3776900.1	457.1	3.49	4.00
3.25	YES							
L0011331		0	0.58360E-07	459801.2	3776908.7	457.4	3.49	4.00
3.25	YES							
L0011332		0	0.58360E-07	459801.3	3776917.3	457.7	3.49	4.00
3.25	YES							
L0011333		0	0.58360E-07	459801.3	3776925.8	458.0	3.49	4.00
3.25	YES							
L0011334		0	0.58360E-07	459801.4	3776934.4	458.0	3.49	4.00
3.25	YES							
L0011335		0	0.58360E-07	459801.5	3776943.0	458.0	3.49	4.00
3.25	YES							

12213 HRA							
L0011336	0	0.58360E-07	459801.6	3776951.6	458.0	3.49	4.00
3.25 YES							
L0011337	0	0.58360E-07	459801.7	3776960.2	458.1	3.49	4.00
3.25 YES							
L0011338	0	0.58360E-07	459801.8	3776968.8	458.4	3.49	4.00
3.25 YES							
L0011339	0	0.58360E-07	459801.8	3776977.4	458.7	3.49	4.00
3.25 YES							
L0011340	0	0.58360E-07	459801.9	3776986.0	459.0	3.49	4.00
3.25 YES							
L0011341	0	0.58360E-07	459802.0	3776994.6	459.3	3.49	4.00
3.25 YES							
L0011342	0	0.58360E-07	459802.1	3777003.2	459.6	3.49	4.00
3.25 YES							
L0011343	0	0.58360E-07	459802.2	3777011.7	459.8	3.49	4.00
3.25 YES							
L0011344	0	0.58360E-07	459802.3	3777020.3	460.0	3.49	4.00
3.25 YES							
L0011345	0	0.58360E-07	459802.3	3777028.9	460.0	3.49	4.00
3.25 YES							
L0011346	0	0.58360E-07	459802.4	3777037.5	460.0	3.49	4.00
3.25 YES							
L0011347	0	0.58360E-07	459802.5	3777046.1	460.0	3.49	4.00
3.25 YES							
L0011348	0	0.58360E-07	459802.5	3777054.7	460.3	3.49	4.00
3.25 YES							
L0011349	0	0.58360E-07	459802.5	3777063.3	460.6	3.49	4.00
3.25 YES							
L0011350	0	0.58360E-07	459802.5	3777071.9	460.8	3.49	4.00
3.25 YES							
L0011351	0	0.58360E-07	459802.4	3777080.5	461.1	3.49	4.00
3.25 YES							
L0011352	0	0.58360E-07	459802.4	3777089.1	461.4	3.49	4.00
3.25 YES							
L0011353	0	0.58360E-07	459802.3	3777097.6	461.7	3.49	4.00
3.25 YES							
L0011354	0	0.58360E-07	459802.3	3777106.2	462.0	3.49	4.00
3.25 YES							
▲ *** AERMOD - VERSION 16216r ***							
HRA.ISC							
*** AERMET - VERSION 16216 ***							

PAGE 18

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

12213 HRA

INIT.	URBAN	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	
SOURCE		EMISSION RATE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY						
ID		CATS.			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)		BY							
L0011355		0	0.58360E-07	459802.2	3777114.8	462.3	3.49	4.00	
3.25	YES								
L0011356		0	0.58360E-07	459802.2	3777123.4	462.6	3.49	4.00	
3.25	YES								
L0011357		0	0.58360E-07	459802.2	3777132.0	462.9	3.49	4.00	
3.25	YES								
L0011358		0	0.58360E-07	459802.1	3777140.6	463.0	3.49	4.00	
3.25	YES								
L0011359		0	0.58360E-07	459802.1	3777149.2	463.0	3.49	4.00	
3.25	YES								
L0011360		0	0.58360E-07	459802.0	3777157.8	463.0	3.49	4.00	
3.25	YES								
L0011361		0	0.58360E-07	459802.0	3777166.4	463.0	3.49	4.00	
3.25	YES								
L0011362		0	0.58360E-07	459801.9	3777175.0	463.3	3.49	4.00	
3.25	YES								
L0011363		0	0.58360E-07	459801.9	3777183.5	463.6	3.49	4.00	
3.25	YES								
L0011364		0	0.58360E-07	459801.9	3777192.1	463.9	3.49	4.00	
3.25	YES								
L0011365		0	0.58360E-07	459801.8	3777200.7	464.1	3.49	4.00	
3.25	YES								
L0011366		0	0.58360E-07	459801.8	3777209.3	464.4	3.49	4.00	
3.25	YES								
L0011367		0	0.58360E-07	459801.7	3777217.9	464.7	3.49	4.00	
3.25	YES								
L0011368		0	0.58360E-07	459801.7	3777226.5	465.0	3.49	4.00	
3.25	YES								
L0011369		0	0.58360E-07	459801.7	3777235.1	465.1	3.49	4.00	
3.25	YES								
L0011370		0	0.58360E-07	459801.7	3777243.7	465.2	3.49	4.00	
3.25	YES								
L0011371		0	0.58360E-07	459801.8	3777252.3	465.4	3.49	4.00	
3.25	YES								
L0011372		0	0.58360E-07	459801.9	3777260.9	465.5	3.49	4.00	
3.25	YES								
L0011373		0	0.58360E-07	459801.9	3777269.4	465.7	3.49	4.00	
3.25	YES								

12213 HRA						
L0011374	0	0.58360E-07	459802.0	3777278.0	465.8	3.49
3.25 YES						4.00
L0011375	0	0.58360E-07	459802.0	3777286.6	466.0	3.49
3.25 YES						4.00
L0011376	0	0.58360E-07	459802.1	3777295.2	466.3	3.49
3.25 YES						4.00
L0011377	0	0.58360E-07	459802.1	3777303.8	466.6	3.49
3.25 YES						4.00
L0011378	0	0.58360E-07	459802.2	3777312.4	466.9	3.49
3.25 YES						4.00
L0011379	0	0.58360E-07	459802.2	3777321.0	467.2	3.49
3.25 YES						4.00
L0011380	0	0.58360E-07	459802.3	3777329.6	467.4	3.49
3.25 YES						4.00
L0011381	0	0.58360E-07	459802.4	3777338.2	467.7	3.49
3.25 YES						4.00
L0011382	0	0.58360E-07	459802.4	3777346.7	468.0	3.49
3.25 YES						4.00
L0011383	0	0.58360E-07	459802.5	3777355.3	468.0	3.49
3.25 YES						4.00
L0011384	0	0.58360E-07	459802.5	3777363.9	468.0	3.49
3.25 YES						4.00
L0011385	0	0.58360E-07	459802.6	3777372.5	468.0	3.49
3.25 YES						4.00
L0011386	0	0.58360E-07	459802.6	3777381.1	468.2	3.49
3.25 YES						4.00
L0011387	0	0.58360E-07	459802.7	3777389.7	468.4	3.49
3.25 YES						4.00
L0011388	0	0.58360E-07	459802.8	3777398.3	468.7	3.49
3.25 YES						4.00
L0011389	0	0.58360E-07	459802.8	3777406.9	469.0	3.49
3.25 YES						4.00
L0011390	0	0.58360E-07	459802.9	3777415.5	469.0	3.49
3.25 YES						4.00
L0011391	0	0.58360E-07	459802.9	3777424.1	469.0	3.49
3.25 YES						4.00
L0011392	0	0.58360E-07	459803.0	3777432.6	469.0	3.49
3.25 YES						4.00
L0011393	0	0.58360E-07	459803.0	3777441.2	469.2	3.49
3.25 YES						4.00
L0011394	0	0.58360E-07	459803.1	3777449.8	469.4	3.49
3.25 YES						4.00

12213 HRA
*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.	
SZ	SOURCE	EMISSION RATE	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
		SCALAR VARY						
ID	CATS.			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	BY							
L0011395	3.25	0	0.58360E-07	459803.1	3777458.4	469.7	3.49	4.00
	YES							
L0011396	3.25	0	0.58360E-07	459803.2	3777467.0	470.0	3.49	4.00
	YES							
L0011397	3.25	0	0.58360E-07	459803.3	3777475.6	470.3	3.49	4.00
	YES							
L0011398	3.25	0	0.58360E-07	459803.3	3777484.2	470.6	3.49	4.00
	YES							
L0011399	3.25	0	0.58360E-07	459803.4	3777492.8	470.9	3.49	4.00
	YES							
L0011400	3.25	0	0.58360E-07	459803.4	3777501.4	471.0	3.49	4.00
	YES							
L0011401	3.25	0	0.58440E-07	460838.0	3775693.5	431.0	3.49	4.00
	YES							
L0011402	3.25	0	0.58440E-07	460829.4	3775693.6	431.0	3.49	4.00
	YES							
L0011403	3.25	0	0.58440E-07	460820.8	3775693.6	431.0	3.49	4.00
	YES							
L0011404	3.25	0	0.58440E-07	460812.2	3775693.7	431.0	3.49	4.00
	YES							
L0011405	3.25	0	0.58440E-07	460803.6	3775693.8	431.0	3.49	4.00
	YES							
L0011406	3.25	0	0.58440E-07	460795.1	3775693.8	431.0	3.49	4.00
	YES							
L0011407	3.25	0	0.58440E-07	460786.5	3775693.9	431.0	3.49	4.00
	YES							
L0011408	3.25	0	0.58440E-07	460777.9	3775693.9	431.0	3.49	4.00
	YES							
L0011409	3.25	0	0.58440E-07	460769.3	3775694.0	431.0	3.49	4.00
	YES							
L0011410	3.25	0	0.58440E-07	460760.7	3775694.1	431.0	3.49	4.00
	YES							
L0011411	3.25	0	0.58440E-07	460752.1	3775694.1	431.0	3.49	4.00
	YES							

12213 HRA							
L0011412	0	0.58440E-07	460743.5	3775694.2	431.0	3.49	4.00
3.25 YES							
L0011413	0	0.58440E-07	460734.9	3775694.3	431.0	3.49	4.00
3.25 YES							
L0011414	0	0.58440E-07	460726.3	3775694.3	431.0	3.49	4.00
3.25 YES							
L0011415	0	0.58440E-07	460717.7	3775694.4	431.0	3.49	4.00
3.25 YES							
L0011416	0	0.58440E-07	460709.2	3775694.5	431.0	3.49	4.00
3.25 YES							
L0011417	0	0.58440E-07	460700.6	3775694.5	431.0	3.49	4.00
3.25 YES							
L0011418	0	0.58440E-07	460692.0	3775694.6	431.0	3.49	4.00
3.25 YES							
L0011419	0	0.58440E-07	460683.4	3775694.6	431.0	3.49	4.00
3.25 YES							
L0011420	0	0.58440E-07	460674.8	3775694.7	431.0	3.49	4.00
3.25 YES							
L0011421	0	0.58440E-07	460666.2	3775694.8	431.0	3.49	4.00
3.25 YES							
L0011422	0	0.58440E-07	460657.6	3775694.8	431.0	3.49	4.00
3.25 YES							
L0011423	0	0.58440E-07	460649.0	3775694.9	431.0	3.49	4.00
3.25 YES							
L0011424	0	0.58440E-07	460640.4	3775695.0	431.0	3.49	4.00
3.25 YES							
L0011425	0	0.58440E-07	460631.8	3775695.0	431.0	3.49	4.00
3.25 YES							
L0011426	0	0.58440E-07	460623.3	3775695.1	431.0	3.49	4.00
3.25 YES							
L0011427	0	0.58440E-07	460614.7	3775695.2	431.0	3.49	4.00
3.25 YES							
L0011428	0	0.58440E-07	460606.1	3775695.2	431.0	3.49	4.00
3.25 YES							
L0011429	0	0.58440E-07	460597.5	3775695.3	431.0	3.49	4.00
3.25 YES							
L0011430	0	0.58440E-07	460596.9	3775702.0	431.2	3.49	4.00
3.25 YES							
L0011431	0	0.58440E-07	460597.9	3775710.5	431.5	3.49	4.00
3.25 YES							
L0011432	0	0.58440E-07	460598.0	3775719.1	431.8	3.49	4.00
3.25 YES							
L0011433	0	0.58440E-07	460598.1	3775727.7	432.0	3.49	4.00
3.25 YES							
L0011434	0	0.58440E-07	460598.2	3775736.3	432.0	3.49	4.00
3.25 YES							

12213 HRA
*** AERMET - VERSION 16216 *** ***
*** 11:02:24

PAGE 20
*** 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				
		SCALAR	VARY	Y				
ID		CATS.		(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)		BY						
L0011435	3.25	0	0.58440E-07	460598.3	3775744.9	432.0	3.49	4.00
	YES							
L0011436	3.25	0	0.58440E-07	460598.4	3775753.5	432.0	3.49	4.00
	YES							
L0011437	3.25	0	0.58440E-07	460598.5	3775762.1	432.2	3.49	4.00
	YES							
L0011438	3.25	0	0.58440E-07	460598.5	3775770.7	432.5	3.49	4.00
	YES							
L0011439	3.25	0	0.58440E-07	460598.6	3775779.3	432.8	3.49	4.00
	YES							
L0011440	3.25	0	0.58440E-07	460598.7	3775787.8	433.0	3.49	4.00
	YES							
L0011441	3.25	0	0.58440E-07	460598.8	3775796.4	433.0	3.49	4.00
	YES							
L0011442	3.25	0	0.58440E-07	460598.9	3775805.0	433.0	3.49	4.00
	YES							
L0011443	3.25	0	0.58440E-07	460599.0	3775813.6	433.0	3.49	4.00
	YES							
L0011444	3.25	0	0.58440E-07	460599.1	3775822.2	433.2	3.49	4.00
	YES							
L0011445	3.25	0	0.58440E-07	460599.2	3775830.8	433.5	3.49	4.00
	YES							
L0011446	3.25	0	0.58440E-07	460599.3	3775839.4	433.8	3.49	4.00
	YES							
L0011447	3.25	0	0.58440E-07	460599.4	3775848.0	434.1	3.49	4.00
	YES							
L0011448	3.25	0	0.58440E-07	460599.5	3775856.6	434.3	3.49	4.00
	YES							
L0011449	3.25	0	0.58440E-07	460599.6	3775865.1	434.6	3.49	4.00
	YES							

12213 HRA							
L0011450	0	0.58440E-07	460599.7	3775873.7	434.9	3.49	4.00
3.25 YES							
L0011451	0	0.58440E-07	460599.7	3775882.3	435.0	3.49	4.00
3.25 YES							
L0011452	0	0.58440E-07	460599.8	3775890.9	435.0	3.49	4.00
3.25 YES							
L0011453	0	0.58440E-07	460599.8	3775899.5	435.0	3.49	4.00
3.25 YES							
L0011454	0	0.58440E-07	460599.8	3775908.1	435.1	3.49	4.00
3.25 YES							
L0011455	0	0.58440E-07	460599.9	3775916.7	435.4	3.49	4.00
3.25 YES							
L0011456	0	0.58440E-07	460599.9	3775925.3	435.6	3.49	4.00
3.25 YES							
L0011457	0	0.58440E-07	460600.0	3775933.9	435.9	3.49	4.00
3.25 YES							
L0011458	0	0.58440E-07	460600.0	3775942.5	436.2	3.49	4.00
3.25 YES							
L0011459	0	0.58440E-07	460600.0	3775951.0	436.5	3.49	4.00
3.25 YES							
L0011460	0	0.58440E-07	460600.1	3775959.6	436.8	3.49	4.00
3.25 YES							
L0011461	0	0.58440E-07	460600.1	3775968.2	437.0	3.49	4.00
3.25 YES							
L0011462	0	0.58440E-07	460600.2	3775976.8	437.0	3.49	4.00
3.25 YES							
L0011463	0	0.58440E-07	460600.2	3775985.4	437.0	3.49	4.00
3.25 YES							
L0011464	0	0.58440E-07	460600.3	3775994.0	437.0	3.49	4.00
3.25 YES							
L0011465	0	0.58440E-07	460600.3	3776002.6	437.2	3.49	4.00
3.25 YES							
L0011466	0	0.58440E-07	460600.3	3776011.2	437.5	3.49	4.00
3.25 YES							
L0011467	0	0.58440E-07	460600.4	3776019.8	437.8	3.49	4.00
3.25 YES							
L0011468	0	0.58440E-07	460600.4	3776028.4	438.0	3.49	4.00
3.25 YES							
L0011469	0	0.58440E-07	460600.5	3776036.9	438.0	3.49	4.00
3.25 YES							
L0011470	0	0.58440E-07	460600.5	3776045.5	438.0	3.49	4.00
3.25 YES							
L0011471	0	0.58440E-07	460600.5	3776054.1	438.0	3.49	4.00
3.25 YES							
L0011472	0	0.58440E-07	460600.6	3776062.7	438.2	3.49	4.00
3.25 YES							
L0011473	0	0.58440E-07	460600.6	3776071.3	438.5	3.49	4.00
3.25 YES							

12213 HRA
 L0011474 0 0.58440E-07 460600.7 3776079.9 438.8 3.49 4.00
 3.25 YES
 ↑ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213
 HRA.ISC *** 12/04/18
 *** AERMET - VERSION 16216 *** ***
 *** 11:02:24
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER EMISSION RATE			BASE	RELEASE	INIT.		
	SOURCE	EMISSION RATE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR	VARY	CATS.	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	ID			BY					
(METERS)									
L0011475		0	0.58440E-07	460600.7	3776088.5	439.0	3.49	4.00	
3.25	YES								
L0011476		0	0.58440E-07	460600.7	3776097.1	439.0	3.49	4.00	
3.25	YES								
L0011477		0	0.58440E-07	460600.8	3776105.7	440.0	3.49	4.00	
3.25	YES								
L0011478		0	0.58440E-07	460600.8	3776114.3	440.0	3.49	4.00	
3.25	YES								
L0011479		0	0.58440E-07	460600.9	3776122.8	440.0	3.49	4.00	
3.25	YES								
L0011480		0	0.58440E-07	460600.9	3776131.4	440.0	3.49	4.00	
3.25	YES								
L0011481		0	0.58440E-07	460601.0	3776140.0	440.0	3.49	4.00	
3.25	YES								
L0011482		0	0.58440E-07	460601.0	3776148.6	440.1	3.49	4.00	
3.25	YES								
L0011483		0	0.58440E-07	460601.0	3776157.2	440.4	3.49	4.00	
3.25	YES								
L0011484		0	0.58440E-07	460601.1	3776165.8	440.6	3.49	4.00	
3.25	YES								
L0011485		0	0.58440E-07	460601.1	3776174.4	440.9	3.49	4.00	
3.25	YES								
L0011486		0	0.58440E-07	460601.2	3776183.0	441.0	3.49	4.00	
3.25	YES								
L0011487		0	0.58440E-07	460601.2	3776191.6	441.0	3.49	4.00	
3.25	YES								

			12213 HRA					
L0011488		0	0.58440E-07	460601.2	3776200.2	441.0	3.49	4.00
3.25	YES							
L0011489		0	0.58440E-07	460601.3	3776208.7	441.1	3.49	4.00
3.25	YES							
L0011490		0	0.58440E-07	460601.3	3776217.3	441.4	3.49	4.00
3.25	YES							
L0011491		0	0.58440E-07	460601.4	3776225.9	441.7	3.49	4.00
3.25	YES							
L0011492		0	0.58440E-07	460601.4	3776234.5	441.9	3.49	4.00
3.25	YES							
L0011493		0	0.58440E-07	460601.4	3776243.1	442.0	3.49	4.00
3.25	YES							
L0011494		0	0.58440E-07	460601.5	3776251.7	442.0	3.49	4.00
3.25	YES							
L0011495		0	0.58440E-07	460601.5	3776260.3	442.0	3.49	4.00
3.25	YES							
L0011496		0	0.58440E-07	460601.6	3776268.9	442.1	3.49	4.00
3.25	YES							
L0011497		0	0.58440E-07	460601.6	3776277.5	442.4	3.49	4.00
3.25	YES							
L0011498		0	0.58440E-07	460601.6	3776286.1	442.7	3.49	4.00
3.25	YES							
L0011499		0	0.58440E-07	460601.7	3776294.6	442.9	3.49	4.00
3.25	YES							
L0011500		0	0.58440E-07	460601.7	3776303.2	443.2	3.49	4.00
3.25	YES							
L0011501		0	0.58440E-07	460601.8	3776311.8	443.5	3.49	4.00
3.25	YES							
L0011502		0	0.58440E-07	460601.8	3776320.4	443.8	3.49	4.00
3.25	YES							
L0011503		0	0.58440E-07	460601.9	3776329.0	444.0	3.49	4.00
3.25	YES							
L0011504		0	0.58440E-07	460601.9	3776337.6	444.0	3.49	4.00
3.25	YES							
L0011505		0	0.58440E-07	460601.9	3776346.2	444.0	3.49	4.00
3.25	YES							
L0011506		0	0.58440E-07	460602.0	3776354.8	444.0	3.49	4.00
3.25	YES							
L0011507		0	0.58440E-07	460602.0	3776363.4	444.2	3.49	4.00
3.25	YES							
L0011508		0	0.58440E-07	460602.1	3776372.0	444.5	3.49	4.00
3.25	YES							
L0011509		0	0.58440E-07	460602.1	3776380.5	444.8	3.49	4.00
3.25	YES							
L0011510		0	0.58440E-07	460602.1	3776389.1	445.1	3.49	4.00
3.25	YES							
L0011511		0	0.58440E-07	460602.2	3776397.7	445.4	3.49	4.00
3.25	YES							

L0011512		0	0.58440E-07	460602.2	3776406.3	445.7	3.49	4.00
3.25	YES							
L0011513		0	0.58440E-07	460602.3	3776414.9	445.9	3.49	4.00
3.25	YES							
L0011514		0	0.58440E-07	460602.3	3776423.5	446.0	3.49	4.00
3.25	YES							
*** AERMOD - VERSION 16216r ***			*** C:\LAKES\AERMOD VIEW\12213 HRA\12213 HRA.ISC ***					
			12/04/18					
*** AERMET - VERSION 16216 ***			***					
			11:02:24					

PAGE 22

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.
SOURCE		EMISSION RATE		X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	PART.	(GRAMS/SEC)					
	ID	SCALAR	VARY					
	(METERS)	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
		BY						
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
L0011515		0	0.58440E-07	460602.3	3776432.1	446.0	3.49	4.00
3.25	YES							
L0011516		0	0.58440E-07	460602.4	3776440.7	446.0	3.49	4.00
3.25	YES							
L0011517		0	0.58440E-07	460602.4	3776449.3	446.1	3.49	4.00
3.25	YES							
L0011518		0	0.58440E-07	460602.5	3776457.9	446.4	3.49	4.00
3.25	YES							
L0011519		0	0.58440E-07	460602.5	3776466.4	446.7	3.49	4.00
3.25	YES							
L0011520		0	0.58440E-07	460602.5	3776475.0	446.9	3.49	4.00
3.25	YES							
L0011521		0	0.58440E-07	460602.6	3776483.6	447.0	3.49	4.00
3.25	YES							
L0011522		0	0.58440E-07	460602.6	3776492.2	447.0	3.49	4.00
3.25	YES							
L0011523		0	0.58440E-07	460602.7	3776500.8	447.0	3.49	4.00
3.25	YES							
L0011524		0	0.58440E-07	460602.7	3776509.4	447.1	3.49	4.00
3.25	YES							
L0011525		0	0.58440E-07	460602.8	3776518.0	447.4	3.49	4.00
3.25	YES							

			12213 HRA					
L0011526	3.25	YES	0	0.58440E-07	460602.8 3776526.6	447.7	3.49	4.00
L0011527	3.25	YES	0	0.58440E-07	460602.8 3776535.2	447.9	3.49	4.00
L0011528	3.25	YES	0	0.58440E-07	460602.9 3776543.8	448.2	3.49	4.00
L0011529	3.25	YES	0	0.58440E-07	460602.9 3776552.3	448.5	3.49	4.00
L0011530	3.25	YES	0	0.58440E-07	460603.0 3776560.9	448.8	3.49	4.00
L0011531	3.25	YES	0	0.58440E-07	460603.0 3776569.5	449.1	3.49	4.00
L0011532	3.25	YES	0	0.58440E-07	460603.0 3776578.1	449.4	3.49	4.00
L0011533	3.25	YES	0	0.58440E-07	460603.1 3776586.7	449.7	3.49	4.00
L0011534	3.25	YES	0	0.58440E-07	460603.1 3776595.3	450.0	3.49	4.00
L0011535	3.25	YES	0	0.58440E-07	460603.2 3776603.9	450.2	3.49	4.00
L0011536	3.25	YES	0	0.58440E-07	460603.2 3776612.5	450.5	3.49	4.00
L0011537	3.25	YES	0	0.58440E-07	460603.2 3776621.1	450.7	3.49	4.00
L0011538	3.25	YES	0	0.58440E-07	460603.3 3776629.7	450.9	3.49	4.00
L0011539	3.25	YES	0	0.58440E-07	460603.3 3776638.2	450.9	3.49	4.00
L0011540	3.25	YES	0	0.58440E-07	460603.4 3776646.8	451.0	3.49	4.00
L0011541	3.25	YES	0	0.58440E-07	460603.4 3776655.4	451.0	3.49	4.00
L0011542	3.25	YES	0	0.58440E-07	460603.5 3776664.0	451.2	3.49	4.00
L0011543	3.25	YES	0	0.58440E-07	460603.5 3776672.6	451.5	3.49	4.00
L0011544	3.25	YES	0	0.58440E-07	460603.5 3776681.2	451.8	3.49	4.00
L0011545	3.25	YES	0	0.58440E-07	460603.6 3776689.8	452.0	3.49	4.00
L0011546	3.25	YES	0	0.58440E-07	460603.6 3776698.4	452.0	3.49	4.00
L0011547	3.25	YES	0	0.58440E-07	460603.7 3776707.0	452.0	3.49	4.00
L0011548	3.25	YES	0	0.58440E-07	460603.7 3776715.5	452.0	3.49	4.00
L0011549	3.25	YES	0	0.58440E-07	460603.7 3776724.1	452.2	3.49	4.00

PAGE 23

*** VOLUME SOURCE DATA ***

INIT.	URBAN	NUMBER	EMISSION RATE		BASE	RELEASE	INIT.
SZ	SOURCE	EMISSION RATE					
SZ	SOURCE	PART. (GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
ID (METERS)		SCALAR VARY CATS. BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
L0011555 3.25	YES	0 0.58440E-07	460604.0	3776775.7	454.0	3.49	4.00
L0011556 3.25	YES	0 0.58440E-07	460604.0	3776784.3	454.0	3.49	4.00
L0011557 3.25	YES	0 0.58440E-07	460604.1	3776792.9	454.0	3.49	4.00
L0011558 3.25	YES	0 0.58440E-07	460604.1	3776801.4	454.0	3.49	4.00
L0011559 3.25	YES	0 0.58440E-07	460604.1	3776810.0	454.1	3.49	4.00
L0011560 3.25	YES	0 0.58440E-07	460604.2	3776818.6	454.4	3.49	4.00
L0011561 3.25	YES	0 0.58440E-07	460604.2	3776827.2	454.7	3.49	4.00
L0011562 3.25	YES	0 0.58440E-07	460604.3	3776835.8	455.0	3.49	4.00
L0011563 3.25	YES	0 0.58440E-07	460604.3	3776844.4	455.3	3.49	4.00

			12213 HRA					
L0011564	3.25	YES	0	0.58440E-07	460604.4 3776853.0	455.6	3.49	4.00
L0011565	3.25	YES	0	0.58440E-07	460604.4 3776861.6	455.8	3.49	4.00
L0011566	3.25	YES	0	0.58440E-07	460604.4 3776870.2	456.0	3.49	4.00
L0011567	3.25	YES	0	0.58440E-07	460604.5 3776878.8	456.0	3.49	4.00
L0011568	3.25	YES	0	0.58440E-07	460604.5 3776887.3	456.0	3.49	4.00
L0011569	3.25	YES	0	0.58440E-07	460604.6 3776895.9	456.0	3.49	4.00
L0011570	3.25	YES	0	0.58440E-07	460604.6 3776904.5	456.3	3.49	4.00
L0011571	3.25	YES	0	0.58440E-07	460604.6 3776913.1	456.6	3.49	4.00
L0011572	3.25	YES	0	0.58440E-07	460604.7 3776921.7	456.8	3.49	4.00
L0011573	3.25	YES	0	0.58440E-07	460604.7 3776930.3	457.1	3.49	4.00
L0011574	3.25	YES	0	0.58440E-07	460604.8 3776938.9	457.4	3.49	4.00
L0011575	3.25	YES	0	0.58440E-07	460604.8 3776947.5	457.7	3.49	4.00
L0011576	3.25	YES	0	0.58440E-07	460604.8 3776956.1	458.0	3.49	4.00
L0011577	3.25	YES	0	0.58440E-07	460604.9 3776964.7	458.0	3.49	4.00
L0011578	3.25	YES	0	0.58440E-07	460604.9 3776973.2	458.0	3.49	4.00
L0011579	3.25	YES	0	0.58440E-07	460605.0 3776981.8	458.0	3.49	4.00
L0011580	3.25	YES	0	0.58440E-07	460605.0 3776990.4	458.1	3.49	4.00
L0011581	3.25	YES	0	0.58440E-07	460605.0 3776999.0	458.4	3.49	4.00
L0011582	3.25	YES	0	0.58440E-07	460605.1 3777007.6	458.7	3.49	4.00
L0011583	3.25	YES	0	0.58440E-07	460605.1 3777016.2	459.0	3.49	4.00
L0011584	3.25	YES	0	0.58440E-07	460605.2 3777024.8	459.3	3.49	4.00
L0011585	3.25	YES	0	0.58440E-07	460605.2 3777033.4	459.6	3.49	4.00
L0011586	3.25	YES	0	0.58440E-07	460605.3 3777042.0	459.9	3.49	4.00
L0011587	3.25	YES	0	0.58440E-07	460605.3 3777050.6	460.0	3.49	4.00

12213 HRA							
L0011588	0	0.58440E-07	460605.3	3777059.1	460.0	3.49	4.00
3.25 YES							
L0011589	0	0.58440E-07	460605.4	3777067.7	460.0	3.49	4.00
3.25 YES							
L0011590	0	0.58440E-07	460605.4	3777076.3	460.0	3.49	4.00
3.25 YES							
L0011591	0	0.58440E-07	460605.5	3777084.9	460.3	3.49	4.00
3.25 YES							
L0011592	0	0.58440E-07	460605.5	3777093.5	460.6	3.49	4.00
3.25 YES							
L0011593	0	0.58440E-07	460605.5	3777102.1	460.9	3.49	4.00
3.25 YES							
L0011594	0	0.58440E-07	460605.6	3777110.7	461.1	3.49	4.00
3.25 YES							
▲ *** AERMOD - VERSION 16216r ***							
HRA.ISC							
					***	12/04/18	
*** AERMET - VERSION 16216 ***							
					***	11:02:24	

PAGE 24

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

INIT.	URBAN	EMISSION RATE			BASE	RELEASE	INIT.		
SOURCE		EMISSION RATE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY
SZ	SOURCE	SCALAR VARY	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	ID		BY						
(METERS)									
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
L0011595	0	0.58440E-07	460605.6	3777119.3	461.4	3.49	4.00		
3.25 YES									
L0011596	0	0.58440E-07	460605.7	3777127.9	461.7	3.49	4.00		
3.25 YES									
L0011597	0	0.58440E-07	460605.7	3777136.5	462.0	3.49	4.00		
3.25 YES									
L0011598	0	0.58440E-07	460605.7	3777145.0	462.0	3.49	4.00		
3.25 YES									
L0011599	0	0.58440E-07	460605.8	3777153.6	462.0	3.49	4.00		
3.25 YES									
L0011600	0	0.58440E-07	460605.8	3777162.2	462.0	3.49	4.00		
3.25 YES									
L0011601	0	0.58440E-07	460605.9	3777170.8	462.1	3.49	4.00		
3.25 YES									

12213 HRA							
L0011602 3.25 YES	0	0.58440E-07	460605.9	3777179.4	462.4	3.49	4.00
L0011603 3.25 YES	0	0.58440E-07	460606.0	3777188.0	462.7	3.49	4.00
L0011604 3.25 YES	0	0.58440E-07	460606.0	3777196.6	463.0	3.49	4.00
L0011605 3.25 YES	0	0.58440E-07	460606.0	3777205.2	463.3	3.49	4.00
L0011606 3.25 YES	0	0.58440E-07	460606.1	3777213.8	463.6	3.49	4.00
L0011607 3.25 YES	0	0.58440E-07	460606.1	3777222.4	463.9	3.49	4.00
L0011608 3.25 YES	0	0.58440E-07	460606.2	3777230.9	464.1	3.49	4.00
L0011609 3.25 YES	0	0.58440E-07	460606.2	3777239.5	464.3	3.49	4.00
L0011610 3.25 YES	0	0.58440E-07	460606.2	3777248.1	464.6	3.49	4.00
L0011611 3.25 YES	0	0.58440E-07	460606.3	3777256.7	464.8	3.49	4.00
L0011612 3.25 YES	0	0.58440E-07	460606.3	3777265.3	465.1	3.49	4.00

PAGE 25

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP	ID	SOURCE	IDs
ALL	L0010715	, L0010716	, L0010717
L0010720	, L0010721	, L0010722	, ,
L0010728	L0010723	, L0010724	, L0010725
	, L0010729	, L0010730	, ,
L0010736	L0010731	, L0010732	, L0010733
	, L0010737	, L0010738	, ,
	L0010739	, L0010740	, L0010741
			, L0010742
			, L0010743

12213 HRA						
L0010744	,	L0010745	,	L0010746	,	
L0010752	,	L0010747 L0010753	,	L0010748 L0010754	,	L0010749 ,
L0010760	,	L0010755 L0010761	,	L0010756 L0010762	,	L0010757 ,
L0010768	,	L0010763 L0010769	,	L0010764 L0010770	,	L0010765 ,
L0010776	,	L0010771 L0010777	,	L0010772 L0010778	,	L0010773 ,
L0010784	,	L0010779 L0010785	,	L0010780 L0010786	,	L0010781 ,
L0010792	,	L0010787 L0010793	,	L0010788 L0010794	,	L0010789 ,
L0010800	,	L0010795 L0010801	,	L0010796 L0010802	,	L0010797 ,
L0010808	,	L0010803 L0010809	,	L0010804 L0010810	,	L0010805 ,
L0010816	,	L0010811 L0010817	,	L0010812 L0010818	,	L0010813 ,
L0010824	,	L0010819 L0010825	,	L0010820 L0010826	,	L0010821 ,
L0010832	,	L0010827 L0010833	,	L0010828 L0010834	,	L0010829 ,
L0010840	,	L0010835 L0010841	,	L0010836 L0010842	,	L0010837 ,
L0010848	,	L0010843 L0010849	,	L0010844 L0010850	,	L0010845 ,
L0010856	,	L0010851 L0010857	,	L0010852 L0010858	,	L0010853 ,
L0010864	,	L0010859 L0010865	,	L0010860 L0010866	,	L0010861 ,
		L0010867	,	L0010868	,	L0010869 ,
				L0010870	,	L0010871 ,

12213 HRA

L0010872 , L0010873 , L0010874 ,
 ↗ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213
 HRA.ISC *** 12/04/18
 *** AERMET - VERSION 16216 *** ***
 *** 11:02:24

PAGE 26
 *** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP ID	-----	SOURCE IDs	-----
L0010880	L0010875 , L0010881	, L0010876 , L0010882	, L0010877 , L0010878 , L0010879 ,
L0010888	L0010883 , L0010889	, L0010884 , L0010890	, L0010885 , L0010886 , L0010887 ,
L0010896	L0010891 , L0010897	, L0010892 , L0010898	, L0010893 , L0010894 , L0010895 ,
L0010904	L0010899 , L0010905	, L0010900 , L0010906	, L0010901 , L0010902 , L0010903 ,
L0010912	L0010907 , L0010913	, L0010908 , L0010914	, L0010909 , L0010910 , L0010911 ,
L0010920	L0010915 , L0010921	, L0010916 , L0010922	, L0010917 , L0010918 , L0010919 ,
L0010928	L0010923 , L0010929	, L0010924 , L0010930	, L0010925 , L0010926 , L0010927 ,
L0010936	L0010931 , L0010937	, L0010932 , L0010938	, L0010933 , L0010934 , L0010935 ,
L0010944	L0010939 , L0010945	, L0010940 , L0010946	, L0010941 , L0010942 , L0010943 ,
L0010952	L0010947 , L0010953	, L0010948 , L0010954	, L0010949 , L0010950 , L0010951 ,
	L0010955	, L0010956	, L0010957 , L0010958 , L0010959 ,

12213 HRA

L0010960	, L0010961	, L0010962	,				
L0010968	, L0010963 , L0010969	, L0010964 , L0010970	, L0010965 ,	, L0010966	, L0010967	,	
L0010976	, L0010971 , L0010977	, L0010972 , L0010978	, L0010973 ,	, L0010974	, L0010975	,	
L0010984	, L0010979 , L0010985	, L0010980 , L0010986	, L0010981 ,	, L0010982	, L0010983	,	
L0010992	, L0010987 , L0010993	, L0010988 , L0010994	, L0010989 ,	, L0010990	, L0010991	,	
L0011000	, L0010995 , L0011001	, L0010996 , L0011002	, L0010997 ,	, L0010998	, L0010999	,	
L0011008	, L0011003 , L0011009	, L0011004 , L0011010	, L0011005 ,	, L0011006	, L0011007	,	
L0011016	, L0011011 , L0011017	, L0011012 , L0011018	, L0011013 ,	, L0011014	, L0011015	,	
L0011024	, L0011019 , L0011025	, L0011020 , L0011026	, L0011021 ,	, L0011022	, L0011023	,	
L0011032	, L0011027 , L0011033	, L0011028 , L0011034	, L0011029 ,	, L0011030	, L0011031	,	
↑ *** AERMOD - VERSION HRA.ISC		16216r ***	***	C:\LAKES\AERMOD VIEW\12213 HRA\12213			
			***	12/04/18			
*** AERMET - VERSION		16216 ***	***				
		***	***	11:02:24			

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP_ID	SOURCE_IDS
L0011040	L0011035, L0011036, L0011037, L0011038, L0011039, , L0011041, L0011042, , L0011043, L0011044, L0011045, L0011046, L0011047,

12213 HRA						
L0011048	,	L0011049	,	L0011050	,	
L0011056	,	L0011051 L0011057	,	L0011052 L0011058	,	L0011053 ,
L0011064	,	L0011059 L0011065	,	L0011060 L0011066	,	L0011061 ,
L0011072	,	L0011067 L0011073	,	L0011068 L0011074	,	L0011069 ,
L0011080	,	L0011075 L0011081	,	L0011076 L0011082	,	L0011077 ,
L0011088	,	L0011083 L0011089	,	L0011084 L0011090	,	L0011085 ,
L0011096	,	L0011091 L0011097	,	L0011092 L0011098	,	L0011093 ,
L0011104	,	L0011099 L0011105	,	L0011100 L0011106	,	L0011101 ,
L0011112	,	L0011107 L0011113	,	L0011108 L0011114	,	L0011109 ,
L0011120	,	L0011115 L0011121	,	L0011116 L0011122	,	L0011117 ,
L0011128	,	L0011123 L0011129	,	L0011124 L0011130	,	L0011125 ,
L0011136	,	L0011131 L0011137	,	L0011132 L0011138	,	L0011133 ,
L0011144	,	L0011139 L0011145	,	L0011140 L0011146	,	L0011141 ,
L0011152	,	L0011147 L0011153	,	L0011148 L0011154	,	L0011149 ,
L0011160	,	L0011155 L0011161	,	L0011156 L0011162	,	L0011157 ,
L0011168	,	L0011163 L0011169	,	L0011164 L0011170	,	L0011165 ,
		L0011171	,	L0011172	,	L0011173 ,
				L0011174	,	L0011175 ,

12213 HRA
L0011176 , L0011177 , L0011178 ,
L0011184 , L0011179 , L0011180 , L0011181 , L0011182 , L0011183 ,
L0011184 , L0011185 , L0011186 ,
L0011192 , L0011187 , L0011188 , L0011189 , L0011190 , L0011191 ,
L0011192 , L0011193 , L0011194 ,
↑ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213
HRA.ISC *** 12/04/18
*** AERMET - VERSION 16216 *** ***
*** 11:02:24

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ U*

*** SOURCE IDs DEFINING SOURCE GROUPS

SRCGROUP_ID	SOURCE_IDS					
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L0011200	L0011195 , L0011201	, L0011196 , L0011202	, L0011197 ,	, L0011198	, L0011199	,
L0011208	L0011203 , L0011209	, L0011204 , L0011210	, L0011205 ,	, L0011206	, L0011207	,
L0011216	L0011211 , L0011217	, L0011212 , L0011218	, L0011213 ,	, L0011214	, L0011215	,
L0011224	L0011219 , L0011225	, L0011220 , L0011226	, L0011221 ,	, L0011222	, L0011223	,
L0011232	L0011227 , L0011233	, L0011228 , L0011234	, L0011229 ,	, L0011230	, L0011231	,
L0011240	L0011235 , L0011241	, L0011236 , L0011242	, L0011237 ,	, L0011238	, L0011239	,
L0011248	L0011243 , L0011249	, L0011244 , L0011250	, L0011245 ,	, L0011246	, L0011247	,
L0011256	L0011251 , L0011257	, L0011252 , L0011258	, L0011253 ,	, L0011254	, L0011255	,
	L0011259	, L0011260	, L0011261	, L0011262	, L0011263	,

PAGE 29

*** SOURCE IDs DEFINING SOURCE GROUPS

* * *

SRCGROUP ID

SOURCE IDs

12213 HRA

L0011360	L0011355 , L0011361	, L0011356 , L0011362	, L0011357 ,	, L0011358	, L0011359	,
L0011368	L0011363 , L0011369	, L0011364 , L0011370	, L0011365 ,	, L0011366	, L0011367	,
L0011376	L0011371 , L0011377	, L0011372 , L0011378	, L0011373 ,	, L0011374	, L0011375	,
L0011384	L0011379 , L0011385	, L0011380 , L0011386	, L0011381 ,	, L0011382	, L0011383	,
L0011392	L0011387 , L0011393	, L0011388 , L0011394	, L0011389 ,	, L0011390	, L0011391	,
L0011400	L0011395 , L0011401	, L0011396 , L0011402	, L0011397 ,	, L0011398	, L0011399	,
L0011408	L0011403 , L0011409	, L0011404 , L0011410	, L0011405 ,	, L0011406	, L0011407	,
L0011416	L0011411 , L0011417	, L0011412 , L0011418	, L0011413 ,	, L0011414	, L0011415	,
L0011424	L0011419 , L0011425	, L0011420 , L0011426	, L0011421 ,	, L0011422	, L0011423	,
L0011432	L0011427 , L0011433	, L0011428 , L0011434	, L0011429 ,	, L0011430	, L0011431	,
L0011440	L0011435 , L0011441	, L0011436 , L0011442	, L0011437 ,	, L0011438	, L0011439	,
L0011448	L0011443 , L0011449	, L0011444 , L0011450	, L0011445 ,	, L0011446	, L0011447	,
L0011456	L0011451 , L0011457	, L0011452 , L0011458	, L0011453 ,	, L0011454	, L0011455	,
L0011464	L0011459 , L0011465	, L0011460 , L0011466	, L0011461 ,	, L0011462	, L0011463	,
L0011472	L0011467 , L0011473	, L0011468 , L0011474	, L0011469 ,	, L0011470	, L0011471	,
	L0011475	, L0011476	, L0011477	, L0011478	, L0011479	,

12213 HRA
L0011480 , L0011481 , L0011482 ,
L0011488 , L0011483 , L0011484 , L0011485 , L0011486 , L0011487 ,
L0011496 , L0011491 , L0011492 , L0011493 , L0011494 , L0011495 ,
L0011504 , L0011499 , L0011500 , L0011501 , L0011502 , L0011503 ,
L0011512 , L0011507 , L0011508 , L0011509 , L0011510 , L0011511 ,
↑ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213
HRA.ISC *** 12/04/18
*** AERMET - VERSION 16216 *** ***
*** 11:02:24

PAGE 30

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS

* * *

SRCGROUP	ID	SOURCE	IDs
L0011520	L0011515 , L0011521	L0011516 , L0011522	L0011517 ,
L0011528	L0011523 , L0011529	L0011524 , L0011530	L0011525 ,
L0011536	L0011531 , L0011537	L0011532 , L0011538	L0011533 ,
L0011544	L0011539 , L0011545	L0011540 , L0011546	L0011541 ,
L0011552	L0011547 , L0011553	L0011548 , L0011554	L0011549 ,
L0011560	L0011555 , L0011561	L0011556 , L0011562	L0011557 ,
	L0011563	L0011564	L0011565
			L0011566
			L0011567

12213 HRA						
L0011568	,	L0011569	,	L0011570	,	
L0011576	,	L0011571	,	L0011572	,	L0011573
L0011576	,	L0011577	,	L0011578	,	L0011574
L0011584	,	L0011579	,	L0011580	,	L0011581
L0011584	,	L0011585	,	L0011586	,	L0011582
L0011592	,	L0011587	,	L0011588	,	L0011589
L0011592	,	L0011593	,	L0011594	,	L0011590
L0011600	,	L0011595	,	L0011596	,	L0011597
L0011600	,	L0011601	,	L0011602	,	L0011598
L0011608	,	L0011603	,	L0011604	,	L0011605
L0011608	,	L0011609	,	L0011610	,	L0011606
		L0011611	,	L0011612	,	L0011607
▲ *** AERMOD - VERSION 16216r ***		*** C:\LAKES\AERMOD VIEW\12213 HRA\12213				
HRA.ISC		***		12/04/18		
*** AERMET - VERSION 16216 ***		***				
		***		11:02:24		

PAGE 31

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs								
-----	-----	-----								
L0010719	2035210.	L0010715	,	L0010716	,	L0010717	,	L0010718	,	
L0010720	,	L0010721	,							
L0010722	,									
L0010728	L0010723	,	L0010724	,	L0010725	,	L0010726	,	L0010727	,
L0010729	,	L0010729	,	L0010730	,					
L0010736	L0010731	,	L0010732	,	L0010733	,	L0010734	,	L0010735	,
L0010737	,	L0010737	,	L0010738	,					
L0010744	L0010739	,	L0010740	,	L0010741	,	L0010742	,	L0010743	,
L0010745	,	L0010745	,	L0010746	,					
L0010747	L0010747	,	L0010748	,	L0010749	,	L0010750	,	L0010751	,

12213 HRA

L0010752	,	L0010753	,	L0010754	,						
		L0010755	,	L0010756	,	L0010757	,	L0010758	,	L0010759	,
L0010760	,	L0010761	,	L0010762	,						
		L0010763	,	L0010764	,	L0010765	,	L0010766	,	L0010767	,
L0010768	,	L0010769	,	L0010770	,						
		L0010771	,	L0010772	,	L0010773	,	L0010774	,	L0010775	,
L0010776	,	L0010777	,	L0010778	,						
		L0010779	,	L0010780	,	L0010781	,	L0010782	,	L0010783	,
L0010784	,	L0010785	,	L0010786	,						
		L0010787	,	L0010788	,	L0010789	,	L0010790	,	L0010791	,
L0010792	,	L0010793	,	L0010794	,						
		L0010795	,	L0010796	,	L0010797	,	L0010798	,	L0010799	,
L0010800	,	L0010801	,	L0010802	,						
		L0010803	,	L0010804	,	L0010805	,	L0010806	,	L0010807	,
L0010808	,	L0010809	,	L0010810	,						
		L0010811	,	L0010812	,	L0010813	,	L0010814	,	L0010815	,
L0010816	,	L0010817	,	L0010818	,						
		L0010819	,	L0010820	,	L0010821	,	L0010822	,	L0010823	,
L0010824	,	L0010825	,	L0010826	,						
		L0010827	,	L0010828	,	L0010829	,	L0010830	,	L0010831	,
L0010832	,	L0010833	,	L0010834	,						
		L0010835	,	L0010836	,	L0010837	,	L0010838	,	L0010839	,
L0010840	,	L0010841	,	L0010842	,						
		L0010843	,	L0010844	,	L0010845	,	L0010846	,	L0010847	,
L0010848	,	L0010849	,	L0010850	,						
		L0010851	,	L0010852	,	L0010853	,	L0010854	,	L0010855	,
L0010856	,	L0010857	,	L0010858	,						
		L0010859	,	L0010860	,	L0010861	,	L0010862	,	L0010863	,
L0010864	,	L0010865	,	L0010866	,						
		L0010867	,	L0010868	,	L0010869	,	L0010870	,	L0010871	,
L0010872	,	L0010873	,	L0010874	,						
↑ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213											
HRA.ISC											
*** 12/04/18											

12213 HRA
*** AERMET - VERSION 16216 *** ***
 11:02:24

PAGE 32
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0010880	L0010875 , L0010881	, L0010876 , L0010882 , L0010877 , L0010878 , L0010879 ,
L0010888	L0010883 , L0010889	, L0010884 , L0010885 , L0010886 , L0010887 ,
L0010896	L0010891 , L0010897	, L0010892 , L0010893 , L0010894 , L0010895 ,
L0010904	L0010899 , L0010905	, L0010900 , L0010906 , L0010901 , L0010902 , L0010903 ,
L0010912	L0010907 , L0010913	, L0010908 , L0010909 , L0010910 , L0010911 ,
L0010920	L0010915 , L0010921	, L0010916 , L0010917 , L0010918 , L0010919 ,
L0010928	L0010923 , L0010929	, L0010924 , L0010925 , L0010926 , L0010927 ,
L0010936	L0010931 , L0010937	, L0010932 , L0010933 , L0010934 , L0010935 ,
L0010944	L0010939 , L0010945	, L0010940 , L0010941 , L0010942 , L0010943 ,
L0010952	L0010947 , L0010953	, L0010948 , L0010949 , L0010950 , L0010951 ,
L0010960	L0010955 , L0010961	, L0010956 , L0010957 , L0010958 , L0010959 ,
	L0010963	, L0010964 , L0010965 , L0010966 , L0010967 ,

12213 HRA						
L0010968	,	L0010969	,	L0010970	,	
L0010976	,	L0010971	,	L0010972	,	L0010973
		, L0010977	,	, L0010978	,	, L0010975
L0010984	,	L0010979	,	L0010980	,	L0010981
		, L0010985	,	, L0010986	,	, L0010982
L0010992	,	L0010987	,	L0010988	,	L0010989
		, L0010993	,	, L0010994	,	, L0010990
L0011000	,	L0010995	,	L0010996	,	L0010997
		, L0011001	,	, L0011002	,	, L0010998
L0011008	,	L0011003	,	L0011004	,	L0011005
		, L0011009	,	, L0011010	,	, L0011006
L0011016	,	L0011011	,	L0011012	,	L0011013
		, L0011017	,	, L0011018	,	, L0011014
L0011024	,	L0011019	,	L0011020	,	L0011021
		, L0011025	,	, L0011026	,	, L0011022
L0011032	,	L0011027	,	L0011028	,	L0011029
		, L0011033	,	, L0011034	,	, L0011030
HRA.ISC		*** AERMOD - VERSION 16216r ***	***	C:\LAKES\AERMOD VIEW\12213 HRA\12213		
			***	12/04/18		
*** AERMET - VERSION 16216 ***	***	***				
		***	11:02:24			

PAGE 33
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0011040	L0011035 , L0011041	, L0011036 , L0011042 , L0011037 , L0011038 , L0011039 ,
L0011048	L0011043 , L0011049	, L0011044 , L0011050 , L0011045 , L0011046 , L0011047 ,
	L0011051	, L0011052 , L0011053 , L0011054 , L0011055 ,

12213 HRA						
L0011056	, L0011057	, L0011058	,			
L0011064	, L0011059 L0011065	, L0011060 L0011066	, L0011061	, L0011062	, L0011063	,
L0011072	, L0011067 L0011073	, L0011068 L0011074	, L0011069	, L0011070	, L0011071	,
L0011080	, L0011075 L0011081	, L0011076 L0011082	, L0011077	, L0011078	, L0011079	,
L0011088	, L0011083 L0011089	, L0011084 L0011090	, L0011085	, L0011086	, L0011087	,
L0011096	, L0011091 L0011097	, L0011092 L0011098	, L0011093	, L0011094	, L0011095	,
L0011104	, L0011099 L0011105	, L0011100 L0011106	, L0011101	, L0011102	, L0011103	,
L0011112	, L0011107 L0011113	, L0011108 L0011114	, L0011109	, L0011110	, L0011111	,
L0011120	, L0011115 L0011121	, L0011116 L0011122	, L0011117	, L0011118	, L0011119	,
L0011128	, L0011123 L0011129	, L0011124 L0011130	, L0011125	, L0011126	, L0011127	,
L0011136	, L0011131 L0011137	, L0011132 L0011138	, L0011133	, L0011134	, L0011135	,
L0011144	, L0011139 L0011145	, L0011140 L0011146	, L0011141	, L0011142	, L0011143	,
L0011152	, L0011147 L0011153	, L0011148 L0011154	, L0011149	, L0011150	, L0011151	,
L0011160	, L0011155 L0011161	, L0011156 L0011162	, L0011157	, L0011158	, L0011159	,
L0011168	, L0011163 L0011169	, L0011164 L0011170	, L0011165	, L0011166	, L0011167	,
L0011176	, L0011171 L0011177	, L0011172 L0011178	, L0011173	, L0011174	, L0011175	,
	L0011179	, L0011180	, L0011181	, L0011182	, L0011183	,

L0011184 , L0011185 , L0011186 , 12213 HRA
 L0011187 , L0011188 , L0011189 , L0011190 , L0011191 ,
 L0011192 , L0011193 , L0011194 ,
 ↑ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213
 HRA.ISC *** 12/04/18
 *** AERMET - VERSION 16216 *** ***
 *** 11:02:24

PAGE 34
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0011200	L0011195 , L0011201 , L0011202	, L0011196 , L0011197 , L0011198 , L0011199 ,
L0011208	L0011203 , L0011209 , L0011210	, L0011204 , L0011205 , L0011206 , L0011207 ,
L0011216	L0011211 , L0011217 , L0011218	, L0011212 , L0011213 , L0011214 , L0011215 ,
L0011224	L0011219 , L0011225 , L0011226	, L0011220 , L0011221 , L0011222 , L0011223 ,
L0011232	L0011227 , L0011233 , L0011234	, L0011228 , L0011229 , L0011230 , L0011231 ,
L0011240	L0011235 , L0011241 , L0011242	, L0011236 , L0011237 , L0011238 , L0011239 ,
L0011248	L0011243 , L0011249 , L0011250	, L0011244 , L0011245 , L0011246 , L0011247 ,
L0011256	L0011251 , L0011257 , L0011258	, L0011252 , L0011253 , L0011254 , L0011255 ,
L0011264	L0011259 , L0011265 , L0011266	, L0011260 , L0011261 , L0011262 , L0011263 ,
	L0011267 , L0011268 , L0011269	, L0011269 , L0011270 , L0011271 ,

12213 HRA

L0011272	, L0011273	, L0011274	,				
	L0011275	, L0011276	, L0011277	, L0011278	, L0011279	,	
L0011280	, L0011281	, L0011282	,				
	L0011283	, L0011284	, L0011285	, L0011286	, L0011287	,	
L0011288	, L0011289	, L0011290	,				
	L0011291	, L0011292	, L0011293	, L0011294	, L0011295	,	
L0011296	, L0011297	, L0011298	,				
	L0011299	, L0011300	, L0011301	, L0011302	, L0011303	,	
L0011304	, L0011305	, L0011306	,				
	L0011307	, L0011308	, L0011309	, L0011310	, L0011311	,	
L0011312	, L0011313	, L0011314	,				
	L0011315	, L0011316	, L0011317	, L0011318	, L0011319	,	
L0011320	, L0011321	, L0011322	,				
	L0011323	, L0011324	, L0011325	, L0011326	, L0011327	,	
L0011328	, L0011329	, L0011330	,				
	L0011331	, L0011332	, L0011333	, L0011334	, L0011335	,	
L0011336	, L0011337	, L0011338	,				
	L0011339	, L0011340	, L0011341	, L0011342	, L0011343	,	
L0011344	, L0011345	, L0011346	,				
	L0011347	, L0011348	, L0011349	, L0011350	, L0011351	,	
L0011352	, L0011353	, L0011354	,				
▲ *** AERMOD - VERSION	16216r ***	*** C:\LAKES\AERMOD VIEW\12213 HRA\12213					
HRA.ISC		***	12/04/18				
*** AERMET - VERSION	16216 ***	***					
	***	11:02:24					

PAGE 35

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN_ID URBAN_POP SOURCE_IDS

L0011355 , L0011356 , L0011357 , L0011358 , L0011359 ,

12213 HRA						
L0011360	,	L0011361	,	L0011362	,	
L0011368	,	L0011363 L0011369	,	L0011364 L0011370	,	L0011365 ,
L0011376	,	L0011371 L0011377	,	L0011372 L0011378	,	L0011373 ,
L0011384	,	L0011379 L0011385	,	L0011380 L0011386	,	L0011381 ,
L0011392	,	L0011387 L0011393	,	L0011388 L0011394	,	L0011389 ,
L0011400	,	L0011395 L0011401	,	L0011396 L0011402	,	L0011397 ,
L0011408	,	L0011403 L0011409	,	L0011404 L0011410	,	L0011405 ,
L0011416	,	L0011411 L0011417	,	L0011412 L0011418	,	L0011413 ,
L0011424	,	L0011419 L0011425	,	L0011420 L0011426	,	L0011421 ,
L0011432	,	L0011427 L0011433	,	L0011428 L0011434	,	L0011429 ,
L0011440	,	L0011435 L0011441	,	L0011436 L0011442	,	L0011437 ,
L0011448	,	L0011443 L0011449	,	L0011444 L0011450	,	L0011445 ,
L0011456	,	L0011451 L0011457	,	L0011452 L0011458	,	L0011453 ,
L0011464	,	L0011459 L0011465	,	L0011460 L0011466	,	L0011461 ,
L0011472	,	L0011467 L0011473	,	L0011468 L0011474	,	L0011469 ,
L0011480	,	L0011475 L0011481	,	L0011476 L0011482	,	L0011477 ,
		L0011483	,	L0011484	,	L0011485 ,
				L0011486	,	L0011487 ,

12213 HRA

L0011488	,	L0011489	,	L0011490	,								
L0011496	,	L0011491	,	L0011492	,	L0011493	,	L0011494	,	L0011495	,		
L0011504	,	L0011505	,	L0011499	,	L0011500	,	L0011501	,	L0011502	,	L0011503	,
L0011512	,	L0011513	,	L0011507	,	L0011508	,	L0011509	,	L0011510	,	L0011511	,
L0011512 , L0011513 , L0011514 , ▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213 HRA.ISC *** 12/04/18													
*** AERMET - VERSION 16216 *** *** *** 11:02:24													

PAGE 36

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0011520	, L0011515 , L0011521	, L0011516 , L0011522 , L0011517 , L0011518 , L0011519 ,
L0011528	, L0011523 , L0011529	, L0011524 , L0011525 , L0011526 , L0011527 ,
L0011536	, L0011531 , L0011537	, L0011532 , L0011533 , L0011534 , L0011535 ,
L0011544	, L0011539 , L0011545	, L0011540 , L0011541 , L0011542 , L0011543 ,
L0011552	, L0011547 , L0011553	, L0011548 , L0011549 , L0011550 , L0011551 ,
L0011560	, L0011555 , L0011561	, L0011556 , L0011557 , L0011558 , L0011559 ,
L0011568	, L0011563 , L0011569	, L0011564 , L0011565 , L0011566 , L0011567 ,
	L0011571	, L0011572 , L0011573 , L0011574 , L0011575 ,

12213 HRA

L0011576 , L0011577 , L0011578 ,
L0011584 , L0011579 , L0011580 , L0011581 , L0011582 , L0011583 ,
L0011592 , L0011587 , L0011588 , L0011589 , L0011590 , L0011591 ,
L0011600 , L0011595 , L0011596 , L0011597 , L0011598 , L0011599 ,
L0011608 , L0011603 , L0011604 , L0011605 , L0011606 , L0011607 ,
L0011611 , L0011612 ,
***** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213
HRA.ISC *** 12/04/18**
***** AERMET - VERSION 16216 *** *****
***** 11:02:24**

PAGE 37
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(460810.7, 3775627.5, 429.7, 1727.0, 0.0);	(460910.7,
3775627.5, 429.7, 1727.0, 0.0);	
(461010.7, 3775627.5, 429.0, 1727.0, 0.0);	(461110.7,
3775627.5, 428.7, 1727.0, 0.0);	
(461210.7, 3775627.5, 428.7, 1727.0, 0.0);	(461310.7,
3775627.5, 428.0, 1727.0, 0.0);	
(461410.7, 3775627.5, 428.0, 1727.0, 0.0);	(461510.7,
3775627.5, 427.7, 1727.0, 0.0);	
(461610.7, 3775627.5, 427.7, 1727.0, 0.0);	(461710.7,
3775627.5, 427.7, 1727.0, 0.0);	
(461810.7, 3775627.5, 427.4, 427.4, 0.0);	(461910.7,
3775627.5, 426.8, 426.8, 0.0);	
(460655.7, 3775627.5, 429.7, 1727.0, 0.0);	(460755.7,
3775627.5, 429.7, 1727.0, 0.0);	
(460814.3, 3775565.7, 428.6, 1727.0, 0.0);	(460914.3,
3775565.7, 428.3, 1727.0, 0.0);	
(461014.3, 3775565.7, 428.0, 1727.0, 0.0);	(461114.3,
3775565.7, 427.6, 1727.0, 0.0);	
(461214.3, 3775565.7, 427.0, 1727.0, 0.0);	(461314.3,
3775565.7, 427.0, 1727.0, 0.0);	
(461414.3, 3775565.7, 426.9, 1727.0, 0.0);	(461514.3,

12213 HRA

3775565.7,	426.6,	1727.0,	0.0);	
(461614.3,	3775565.7,	426.6,	1727.0,	0.0);
3775565.7,	426.6,	426.6,	0.0);	(461914.3,
(461814.3,	3775565.7,	426.0,	426.0,	0.0);
3775565.7,	425.6,	425.6,	0.0);	(460759.3,
(460659.3,	3775565.7,	428.6,	1727.0,	0.0);
3775565.7,	428.6,	1727.0,	0.0);	(460914.3,
(460814.3,	3775665.7,	431.0,	1727.0,	0.0);
3775665.7,	430.0,	1727.0,	0.0);	(461114.3,
(461014.3,	3775665.7,	430.0,	1727.0,	0.0);
3775665.7,	429.0,	1727.0,	0.0);	(461314.3,
(461214.3,	3775665.7,	429.0,	1727.0,	0.0);
3775665.7,	429.0,	1727.0,	0.0);	(461514.3,
(461414.3,	3775665.7,	429.0,	1727.0,	0.0);
3775665.7,	428.5,	1727.0,	0.0);	(461714.3,
(461614.3,	3775665.7,	428.0,	1727.0,	0.0);
3775665.7,	428.0,	1727.0,	0.0);	(461914.3,
(461814.3,	3775665.7,	428.0,	428.0,	0.0);
3775665.7,	428.0,	428.0,	0.0);	(460759.3,
(460659.3,	3775665.7,	431.0,	1727.0,	0.0);
3775665.7,	431.0,	1727.0,	0.0);	(461290.8,
(461187.3,	3776438.5,	444.7,	1727.0,	0.0);
3776170.2,	439.0,	1727.0,	0.0);	(460959.0,
(461592.5,	3776427.4,	443.3,	1727.0,	0.0);
3776134.6,	439.6,	1727.0,	0.0);	(461307.5,
(461458.2,	3776021.9,	436.9,	1727.0,	0.0);
3776525.1,	446.0,	1727.0,	0.0);	(461160.1,
(461459.8,	3776526.8,	445.7,	1727.0,	0.0);
3776552.5,	447.2,	1727.0,	0.0);	(461459.1,
(461651.0,	3776832.2,	450.0,	1727.0,	0.0);
3777566.1,	467.3,	1727.0,	0.0);	(461468.0,
(461454.2,	3777535.1,	466.3,	1727.0,	0.0);
3776274.6,	440.3,	1727.0,	0.0);	(460345.3,
(460602.5,	3775666.1,	431.0,	1727.0,	0.0);
3775660.3,	431.0,	1727.0,	0.0);	(459822.7,
(459748.8,	3775983.2,	437.0,	1727.0,	0.0);
3776249.4,	442.0,	1727.0,	0.0);	(459820.3,
(459827.6,	3776848.3,	455.4,	1727.0,	0.0);
3776636.3,	450.3,	1727.0,	0.0);	(461260.0,
(460577.0,	3776444.1,	446.0,	1727.0,	0.0);
3775724.3,	430.0,	1727.0,	0.0);	(461198.2,
(461149.1,	3775743.0,	430.6,	1727.0,	0.0);
3775727.8,	430.1,	1727.0,	0.0);	(461034.0,
(460950.4,	3775953.3,	435.7,	1727.0,	0.0);
3775852.8,	433.2,	1727.0,	0.0);	(460283.6,
(461022.7,	3775740.0,	431.4,	1727.0,	0.0);
3776479.7,	447.0,	1727.0,	0.0);	(460565.7,
(460276.3,	3775766.2,	433.0,	1727.0,	0.0);

12213 HRA

3775930.9, 435.8, 1727.0, 0.0);
 (460562.3, 3775998.3, 437.1, 1727.0, 0.0); (460562.3,
 3776136.7, 440.0, 1727.0, 0.0); (460565.7, 3776214.3, 441.3, 1727.0, 0.0); (460568.4,
 3776349.9, 444.0, 1727.0, 0.0); (460709.8, 3775666.6, 431.0, 1727.0, 0.0); (460686.8,
 3775661.8, 430.9, 1727.0, 0.0); (460739.0, 3775660.2, 430.8, 1727.0, 0.0); (460733.4,
 3775671.6, 431.0, 1727.0, 0.0); (460565.1, 3775906.1, 435.2, 1727.0, 0.0); (460637.4,
 3775846.0, 434.0, 1727.0, 0.0); (460628.8, 3775812.1, 433.0, 1727.0, 0.0); (460911.7,
 3775785.5, 432.0, 1727.0, 0.0); (460914.8, 3775732.1, 431.6, 1727.0, 0.0); (460664.4,
 3775947.3, 436.4, 1727.0, 0.0); (460799.4, 3775956.8, 436.7, 1727.0, 0.0); (460675.8,
 3776264.9, 442.0, 1727.0, 0.0); (460683.4, 3776626.2, 450.0, 1727.0, 0.0); (460811.6,
 3775730.6, 432.1, 1727.0, 0.0);
 ↗ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213
 HRA.ISC *** 12/04/18
 *** AERMET - VERSION 16216 *** ***
 *** 11:02:24

PAGE 38

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR

PROCESSING ***

(1=YES; 0=NO)

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

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON

12213 HRA

WHAT IS INCLUDED IN THE DATA FILE.

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

1.54, 3.09, 5.14, 8.23,
10.80,
▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213
HRA.ISC *** 12/04/18
*** AERMET - VERSION 16216 *** ***
*** 11:02:24

PAGE 39
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL
DATA ***

Surface file: FONTANAADJU\FONT_V9_ADJU\FONT_V9.SFC
Met Version: 16216

Profile file: FONTANAADJU\FONT_V9_ADJU\FONT_V9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN

Year: 2011 Year: 2011

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							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	
1.00		1.80	69.	9.1	276.4	5.5								
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	
1.00		2.20	52.	9.1	275.4	5.5								
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	
1.00		1.80	32.	9.1	275.4	5.5								
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	
1.00		0.40	27.	9.1	274.2	5.5								
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	

12213 HRA

1.00	1.80	51.	9.1	274.2	5.5								
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82
1.00	2.70	53.	9.1	274.2	5.5								
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82
1.00	2.20	70.	9.1	274.2	5.5								
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82
0.54	1.30	72.	9.1	275.4	5.5								
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82
0.32	2.20	67.	9.1	277.5	5.5								
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82
0.25	1.80	83.	9.1	279.9	5.5								
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82
0.22	2.20	58.	9.1	282.0	5.5								
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82
0.21	2.20	115.	9.1	283.1	5.5								
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82
0.21	1.30	147.	9.1	284.2	5.5								
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82
0.23	1.30	219.	9.1	284.9	5.5								
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82
0.26	1.30	126.	9.1	285.4	5.5								
11	01	01	1	16	26.4	0.140	1.037	0.009	1477.	127.	-9.1	0.25	2.82
0.35	0.90	151.	9.1	284.9	5.5								
11	01	01	1	17	-9.0	0.137	-9.000	-9.000	-999.	121.	24.9	0.25	2.82
0.63	1.30	69.	9.1	283.1	5.5								
11	01	01	1	18	-33.4	0.342	-9.000	-9.000	-999.	481.	129.0	0.25	2.82
1.00	3.10	81.	9.1	281.4	5.5								
11	01	01	1	19	-33.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.25	2.82
1.00	3.10	51.	9.1	279.9	5.5								
11	01	01	1	20	-23.6	0.239	-9.000	-9.000	-999.	287.	63.1	0.25	2.82
1.00	2.20	77.	9.1	278.8	5.5								
11	01	01	1	21	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82
1.00	1.80	53.	9.1	277.5	5.5								
11	01	01	1	22	-23.7	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82
1.00	2.20	58.	9.1	277.5	5.5								
11	01	01	1	23	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82
1.00	1.80	64.	9.1	277.5	5.5								
11	01	01	1	24	-4.5	0.094	-9.000	-9.000	-999.	74.	16.3	0.25	2.82
1.00	0.90	52.	9.1	277.0	5.5								

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	276.5	99.0	-99.00	-99.00
11	01	01	01	9.1	1	69.	1.80	-999.0	99.0	-99.00	-99.00

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

▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213

HRA.ISC 12213 HRA
 *** 12/04/18
*** AERMET - VERSION 16216 *** ***
 *** 11:02:24

PAGE 40
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): L0010715 , L0010716
, L0010717 , L0010718 , L0010719 , , L0010722 , L0010723 , L0010724
, L0010725 , L0010726 , L0010727 , , L0010728 , L0010729 , L0010730 , L0010731 , L0010732
, L0010733 , L0010734 , L0010735 , , L0010736 , L0010737 , L0010738 , L0010739 , L0010740
, L0010741 , L0010742 , . . . ,

*** 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		
- - - - -	- - - - -	- - - - -	- - - - -
460810.72	3775627.51	0.00124	460910.72
3775627.51	0.00100		
461010.72	3775627.51	0.00084	461110.72
3775627.51	0.00075		
461210.72	3775627.51	0.00070	461310.72
3775627.51	0.00065		
461410.72	3775627.51	0.00054	461510.72
3775627.51	0.00030		
461610.72	3775627.51	0.00021	461710.72
3775627.51	0.00016		
461810.72	3775627.51	0.00013	461910.72
3775627.51	0.00011		
460655.74	3775627.51	0.00112	460755.74
3775627.51	0.00127		
460814.29	3775565.67	0.00072	460914.29
3775565.67	0.00062		
461014.29	3775565.67	0.00053	461114.29
3775565.67	0.00047		
461214.29	3775565.67	0.00043	461314.29
3775565.67	0.00039		

		12213 HRA	
461414.29	3775565.67	0.00032	461514.29
3775565.67	0.00024		
461614.29	3775565.67	0.00018	461714.29
3775565.67	0.00014		
461814.29	3775565.67	0.00012	461914.29
3775565.67	0.00010		
460659.31	3775565.67	0.00070	460759.31
3775565.67	0.00074		
460814.29	3775665.67	0.00230	460914.29
3775665.67	0.00177		
461014.29	3775665.67	0.00157	461114.29
3775665.67	0.00146		
461214.29	3775665.67	0.00137	461314.29
3775665.67	0.00129		
461414.29	3775665.67	0.00111	461514.29
3775665.67	0.00035		
461614.29	3775665.67	0.00022	461714.29
3775665.67	0.00017		
461814.29	3775665.67	0.00013	461914.29
3775665.67	0.00011		
460659.31	3775665.67	0.00185	460759.31
3775665.67	0.00215		
461187.35	3776438.51	0.00028	461290.84
3776170.25	0.00047		
461592.53	3776427.36	0.00033	460959.05
3776134.58	0.00043		
461458.20	3776021.95	0.00074	461307.48
3776525.15	0.00039		
461459.82	3776526.77	0.00077	461160.07
3776552.50	0.00024		
461651.00	3776832.21	0.00023	461459.11
3777566.06	0.00060		
461454.18	3777535.14	0.00072	461468.01
3776274.65	0.00070		
460602.50	3775666.11	0.00148	460345.26
3775660.27	0.00059		
459748.78	3775983.16	0.00037	459822.72
3776249.36	0.00054		
459827.65	3776848.31	0.00050	459820.26
3776636.33	0.00058		
460576.95	3776444.08	0.00057	461260.04
3775724.34	0.00095		
461149.11	3775742.96	0.00081	461198.21
3775727.81	0.00091		
460950.40	3775953.35	0.00086	461034.04
3775852.85	0.00074		
461022.74	3775740.01	0.00099	460283.59
3776479.67	0.00016		

			12213 HRA	
460276.31	3775766.18	0.00047		460565.71
3775930.86	0.00106			
460562.33	3775998.34	0.00085		460562.33
3776136.67	0.00060			
460565.71	3776214.28	0.00056		460568.39
3776349.88	0.00051			
460709.77	3775666.65	0.00218		460686.78
3775661.78	0.00190			
460738.98	3775660.16	0.00195		460733.40
3775671.65	0.00242			
460565.15	3775906.13	0.00112		460637.42
3775845.97	0.00232			
▲ *** AERMOD - VERSION 16216r ***		*** C:\LAKES\AERMOD VIEW\12213 HRA\12213		
HRA.ISC		***	12/04/18	
*** AERMET - VERSION 16216 ***		***		
	***	11:02:24		

PAGE 41
 *** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION				VALUES AVERAGED OVER	5
YEARS FOR SOURCE GROUP: ALL ***					
INCLUDING SOURCE(S):					
, L0010717 , L0010718 , L0010719 ,	, L0010720 , L0010721 , L0010722 ,	, L0010723 , L0010724			
, L0010725 , L0010726 , L0010727 ,	, L0010728 , L0010729 , L0010730 ,	, L0010731 , L0010732			
, L0010733 , L0010734 , L0010735 ,	, L0010736 , L0010737 , L0010738 ,	, L0010739 , L0010740			
, L0010741 , L0010742 , . . . ,					

*** DISCRETE CARTESIAN RECEPTOR POINTS

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
Y-COORD (M)	CONC		
- - - - -	- - - - -	- - - - -	- - - - -
460628.78	3775812.09	0.00224	460911.73
3775785.51	0.00144		
460914.83	3775732.14	0.00149	460664.38
3775947.32	0.00150		
460799.39	3775956.83	0.00166	460675.79
3776264.89	0.00042		
460683.39	3776626.19	0.00030	460811.58

12213 HRA
3775730.60 0.00555
▲ *** AERMOD - VERSION 16216r *** *** C:\LAKES\AERMOD VIEW\12213 HRA\12213
HRA.ISC *** 12/04/18
*** AERMET - VERSION 16216 *** ***
*** 11:02:24

PAGE 42
*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM ANNUAL RESULTS
AVERAGED OVER 5 YEARS ***

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

NETWORK

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

ALL	1ST HIGHEST VALUE IS 432.14, 1727.00, 0.00) DC	0.00555 AT (460811.58, 3775730.60,
	2ND HIGHEST VALUE IS	0.00242 AT (460733.40, 3775671.65,
431.00,	1727.00, 0.00) DC	0.00232 AT (460637.42, 3775845.97,
433.99,	1727.00, 0.00) DC	0.00230 AT (460814.29, 3775665.67,
430.98,	1727.00, 0.00) DC	0.00224 AT (460628.78, 3775812.09,
433.00,	1727.00, 0.00) DC	0.00218 AT (460709.77, 3775666.65,
431.00,	1727.00, 0.00) DC	0.00215 AT (460759.31, 3775665.67,
430.98,	1727.00, 0.00) DC	0.00195 AT (460738.98, 3775660.16,
430.79,	1727.00, 0.00) DC	0.00190 AT (460686.78, 3775661.78,
430.85,	1727.00, 0.00) DC	0.00185 AT (460659.31, 3775665.67,
430.98,	1727.00, 0.00) DC	

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

PAGE 43

*** 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 7 Warning Message(s)
A Total of 838 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 40 Calm Hours Identified

A Total of 798 Missing Hours Identified (1.82 Percent)

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

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

ME W186 1965 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
0.50

ME W187 1965 MEOPEN: ADJ_U* Option for Low Winds used in AERMET

MX W438 8800 METQA: Convective Velocity Data Out-of-Range. KURDAT =
12010216

MX W438 11536 METQA: Convective Velocity Data Out-of-Range. KURDAT =
12042516

MX W420 16779 METQA: Wind Speed Out-of-Range. KURDAT =
12113003

MX W450 26305 CHKDAT: Record Out of Sequence in Meteorological File at:
15010101

MX W450 26305 CHKDAT: Record Out of Sequence in Meteorological File at:
1 year gap

*** AERMOD Finishes Successfully ***

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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	Mass GLC		Weight Fraction (a)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
					URF (ug/m ³) (b)	CPF (ug/m ³) ⁻¹ (f)	DOSE (mg/kg/day) ⁻¹ (g)	RISK (h)	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)
	(c)	(d)			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
	0.00242	2.42E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	8.4E-07	2.7E-08	5.0E+00	1.4E-03	4.8E-04							
TOTAL					2.7E-08				4.8E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

** Key to Toxicological Endpoints

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

Note: Exposure factors used to calculate contaminant intake

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

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

Source (a)	Mass GLC		Weight Fraction (d)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
	(ug/m ³) (b)	(mg/m ³) (c)			URF (ug/m ³) ⁻¹ (f)	CPF (mg/kg/day) ⁻¹ (g)	DOSE (mg/kg-day) (h)	RISK (i)	REL (ug/m ³) (j)	RfD (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
	0.00148	1.48E-06			3.0E-04	1.1E+00	1.5E-06	3.9E-07	5.0E+00	1.4E-03	3.0E-04							
TOTAL																		

** 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	Mass GLC		Weight Fraction (a)	Contaminant (e)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
					URF (ug/m ³) (b)	CPF (ug/m ³) ⁻¹ (f)	DOSE (mg/kg/day) ⁻¹ (g)	RISK (h)	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)
	(c)	(d)			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
	0.00242	2.42E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.7E-06	7.8E-07	5.0E+00	1.4E-03	4.8E-04							
TOTAL																		

** 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))	745
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	Mass GLC		Weight Fraction (a)	Contaminant (b)	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF (ug/m ³) (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)
	(c)	(d)															
	0.00242	2.42E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.8E-07	1.2E-07	5.0E+00	1.4E-03	4.8E-04						
TOTAL																	

** 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)	335
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) **1.32**

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

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
		(a) (ug/m ³)	(b) (mg/m ³)			URF (ug/m ³) ⁻¹	CPF (mg/kg/day) ¹	DOSE (mg/kg-day)	RISK (i)	REL (ug/m ³) ¹	RfD (mg/kg/day)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)
		(c)	(d)			(f)	(g)	(h)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	
1	Diesel Particulates	5.55E-03	5.55E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	9.9E-07	3.7E-07	5.0E+00	1.4E-03	1.1E-03							
	TOTAL								3.7E-07 0.37			1.1E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

** Key to Toxicological Endpoints

Note: Exposure factors used to calculate contaminant intake

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