



Amendment No. 2 to Reclamation Plan 2006-01

**AIR TOXICS HEALTH RISK ASSESSMENT
CITY OF LAKE ELSINORE**

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09600-06 HRA Report

TABLE OF CONTENTS

TABLE OF CONTENTS	II
APPENDICES	III
LIST OF EXHIBITS	III
LIST OF TABLES	III
LIST OF ABBREVIATED TERMS.....	IV
EXECUTIVE SUMMARY	1
Summary of Findings/Conclusions.....	1
1 INTRODUCTION.....	3
1.1 Project Overview.....	4
2 BACKGROUND.....	7
2.1 Regulatory Setting.....	7
2.2 Emissions Estimation	7
2.3 2015 OEHHA Guidelines.....	12
2.4 Exposure Quantification	14
2.5 Carcinogenic Chemical Risk.....	15
2.6 Non-carcinogenic Exposures.....	16
2.7 Potential Project-Related DPM Source Cancer and Non-Cancer Risks	17
2.7 CEQA Requirements for Addressing Cumulative Impacts	21
2.8 Existing Conditions for Toxic Emissions	23
3 REFERENCES.....	32
4 CERTIFICATION.....	34

APPENDICES

APPENDIX 5.1: AERMOD MODEL INPUT/OUTPUT
 APPENDIX 5.2: RISK CALCULATIONS
 APPENDIX 5.3: ASPHALT BATCH PLANT

LIST OF EXHIBITS

EXHIBIT 1-A: LOCATION MAP	6
EXHIBIT 2-A: MODELED EMISSION SOURCES	11
EXHIBIT 2-B: NEAREST MODELED RESIDENTIAL RECEPTORS.....	19
EXHIBIT 2-C: NEAREST MODELED SCHOOL/WORKER RECEPTORS.....	20
EXHIBIT 2-D: CUMULATIVE DEVELOPMENT PROJECTS LOCATION MAP	30

LIST OF TABLES

TABLE ES-1: SUMMARY OF CANCER RISKS ATTRIBUTABLE TO THE PROJECT	2
TABLE 1-1: LIFETIME RISK COMPARISON	4
TABLE 2-1: WEIGHTED AVERAGE DPM EMISSIONS FACTORS (2015 OEHHA GUIDELINES)	10
TABLE 2-2: AERMOD MODEL PARAMETERS.....	14
TABLE 2-3: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (2015 OEHHA GUIDELINES)	15
TABLE 2-4: CUMULATIVE DEVELOPMENT LIST	27
TABLE 2-5: CUMULATIVE CANCER RISK	31

LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	Atmospheric Dispersion Modeling System
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEISC	Maximally Exposed Individual School Child
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard
PCE	Passenger Car Equivalent
PM10	Particulate Matter 10 microns in diameter or less
Project	Amendment No. 2 to Reclamation Plan 2006-01
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

EXECUTIVE SUMMARY

SUMMARY OF FINDINGS/CONCLUSIONS

The results of the health risk assessment of lifetime cancer risk from Project-generated DPM emissions are provided at Table ES-1 below for the Project.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 386 feet southeast of to the Project's proposed mining impact area. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 2.15 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 0.0008, which would not exceed the applicable threshold of 1.0. Exhibit 2-B (presented later) illustrates the nearest modeled residential receptors and the MEIR.

Worker Exposure Scenario:

The worker land use with the greatest potential exposure to Project DPM source emissions is located at Temescal Canyon High School at 28755 El Toro Road, Lake Elsinore, CA 92532 which is approximately 586 feet south of the existing approved mining impact limits. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.36 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 0.011, which would not exceed the applicable threshold of 1.0. Exhibit 2-C (presented later) illustrates the nearest modeled worker receptors and the MEIW.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is located at Temescal Canyon High School at 28755 El Toro Road, Lake Elsinore, CA 92532 which is approximately 586 feet south of the existing approved mining impact limits. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact at this location is 3.3 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 0.0014, which would not exceed the applicable threshold of 1.0. Exhibit 2-C (presented later) illustrates the nearest modeled school receptors and the MEISC.

The results of the analysis also indicate that the project will not result in a significant cumulative health risk. Section 2.7 contains a detailed cumulative analysis for the Project.

TABLE ES-1: SUMMARY OF CANCER RISKS ATTRIBUTABLE TO THE PROJECT

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure (2016 to 2046)	Maximum Exposed Sensitive Receptor	2.15	10	NO
25 Year Exposure (2016 to 2041)	Maximum Exposed Worker Receptor	0.36	10	NO
9 Year Exposure (2016 to 2024)	Maximum Exposed School Child	3.3	10	NO

1 INTRODUCTION

This report presents the results of the health risk assessment (HRA) for the proposed Amendment No. 2 to Reclamation Plan 2006-01 (referred to as “Project”) located north and south of Nichols Road and east of the I-15 Freeway in the City of Lake Elsinore as shown on Exhibit 1-A. The purpose of this HRA is to evaluate Project-related impacts to sensitive receptors (residential, schools) and adjacent workers as a result of toxic air contaminants (TACs) resulting primarily from 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) and other TACs, 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). 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 cumulatively considerable increase that would result in a cumulative impact.

The 10 in one million standard is a very health-protective significance threshold. A risk level of 10 in one million implies a likelihood that up to 10 persons, 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. This risk would be an excess cancer that is in addition to any cancer risk borne by a person not exposed to these air toxics. To put this risk in perspective, sample causes of death in the United States as well as the estimated risk of developing cancer from the Project or in the South Coast Air Basin are shown on Table 1-1. 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.

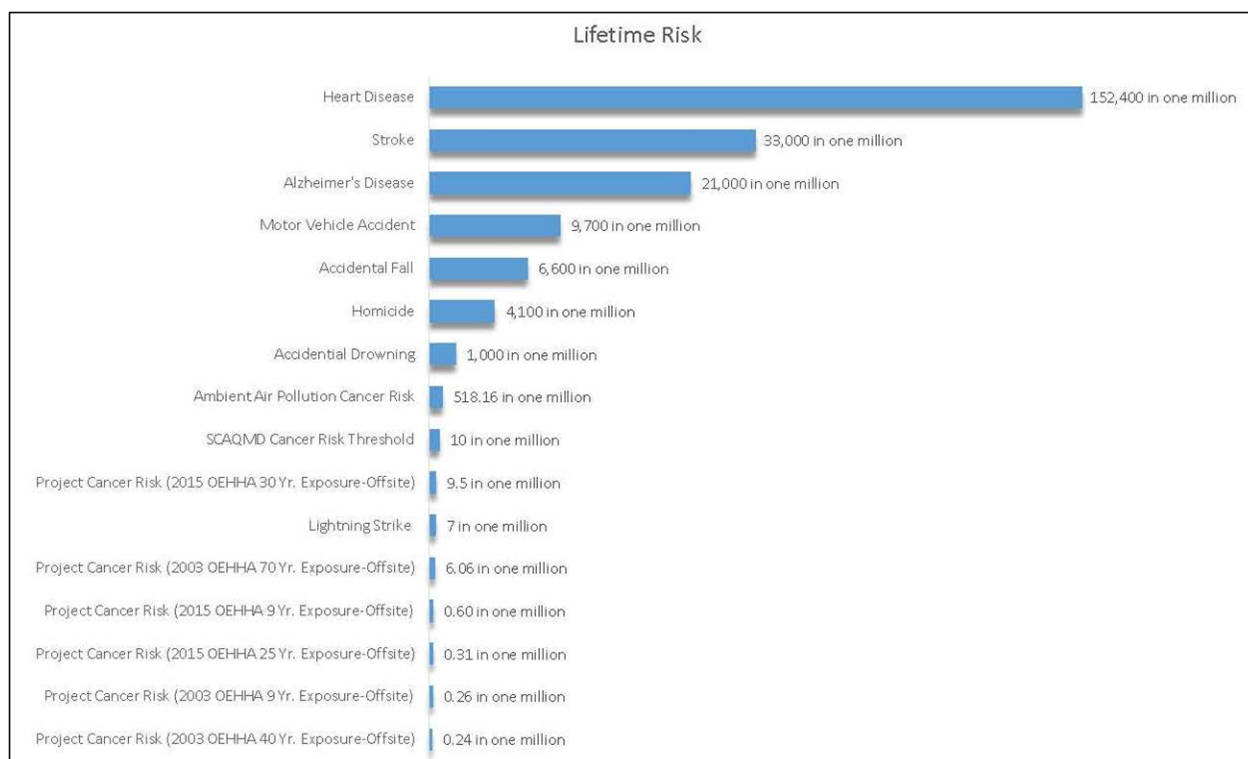
The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (2). In this report the AQMD clearly states (Page D-3):

“...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."

TABLE 1-1: LIFETIME RISK COMPARISON



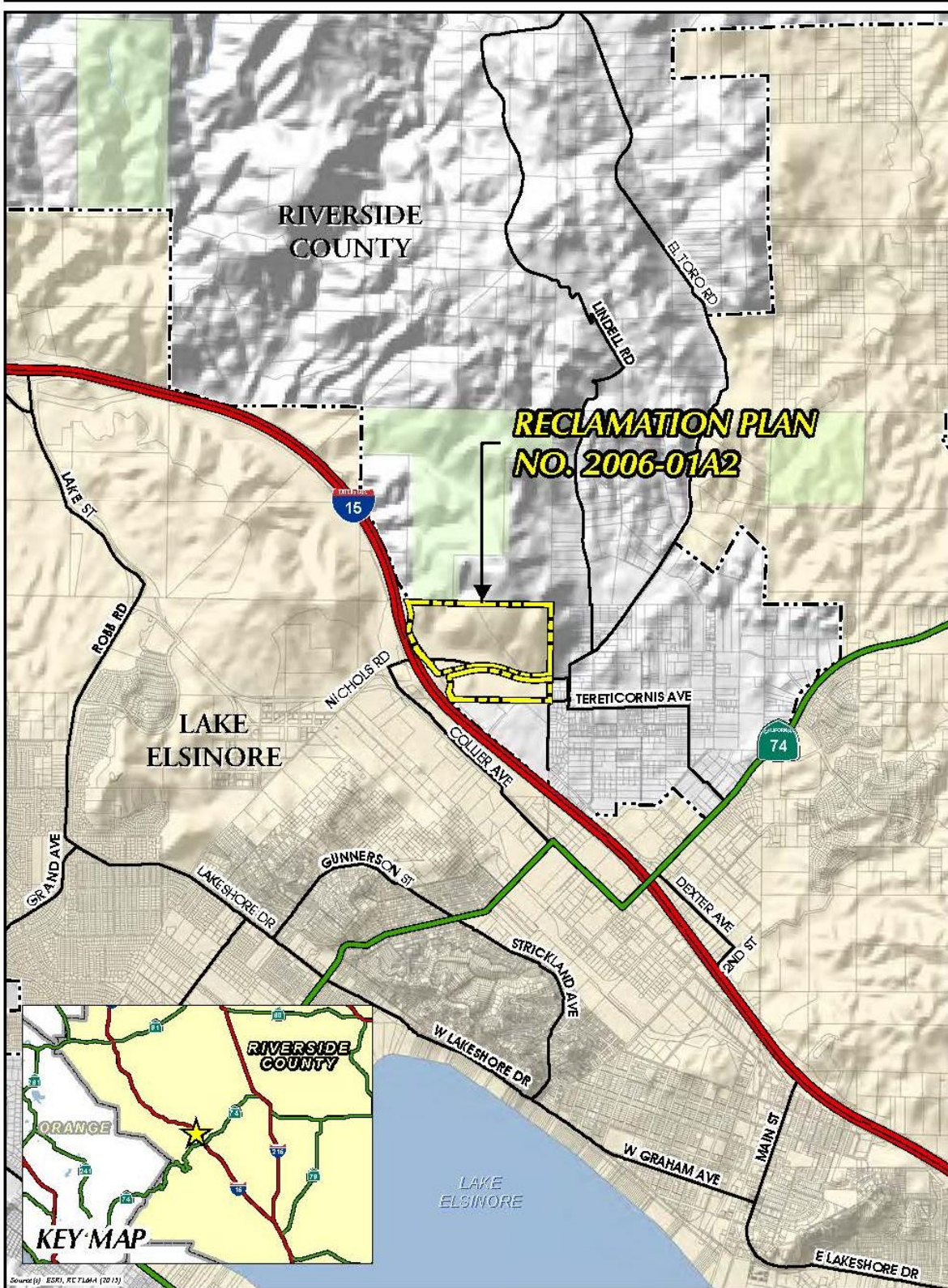
The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less of 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 PROJECT OVERVIEW

The historic tonnage average is 556,348 tons per year (TPY). Although proposed RP 2006-01A2 would reduce the allowed maximum total annual tonnage material from 4,000,000 tpy to 856,560 tpy, historical data recorded by the mine operator indicates that the mine produced an average of approximately 556,348 tpy between 2007 and 2014 (herein, "historic baseline").

The Project is proposing a permit that would allow up to 856,560 TPY, which is a reduction to the originally permitted 4,000,000 TPY for the site. However, because the Project's proposed annual tonnage cap (856,560 TPY) is greater than the historic baseline average (556,348 TPY), the Project would result in a net increase of 300,212 TPY as compared to the historic baseline, representing an increase of 35.1%. Impact calculations herein that rely on annual tonnage account the net increase over the historic baseline (e.g., 300,212 TPY). The Project Applicant also estimates that a reasonable high-end estimate of daily tonnage at the site is approximately 5,000 tons per day (TPD). Because the Project represents 35.1% of the total annual tonnage cap, it is also reasonable to assume that approximately 1,752 TPD (35.1% of 5,000 TPD) would be attributable to the Project. In addition, the Project also proposes to modify the existing mining operations from 7:00 AM to 12:00 AM (Mondays through Fridays, excluding Federal Holidays) and between 7:00 AM to 7:00 PM (Saturdays only) to between 4:00 AM and 12:00 AM (Mondays through Saturdays, excluding Federal Holidays) for mining equipment and asphalt batch plant operation and 24 hours per day (Mondays through Saturdays, excluding Federal Holidays) for aggregate and asphalt batch plant export activities. The proposed changes to the Mine's operating hours also would apply to the asphalt batch plant. For purposes of this air quality impact analysis it is anticipated that the Project will be fully operational by Year 2016 (i.e., opening year). As indicated on Exhibit 1-A, access to the Project site is currently and will continue to be provided to Nichols Road via 2 existing driveways. Regional access to the Project site is provided via the I-15 Freeway at Nichols Road interchange. The Nichols North site is also subject to approved Conditional Use Permit (CUP 2014-07) which allows for the operation of a portable asphalt batch plant on approximately 1.76 acres of the Project site. Although the asphalt batch plant is previously approved, entitled, and permitted the analysis in this HRA conservatively assumes 100% of the impacts from the asphalt batch plant.

EXHIBIT 1-A: LOCATION MAP



Source: T&B Planning

2 BACKGROUND

2.1 REGULATORY SETTING

CARB estimates that the average Californian is exposed to 1.2-1.8 $\mu\text{g}/\text{m}^3$ of DPM, this exposure results in an average cancer risk of 360-540 in one million for the average Californian exposed to DPM (2).

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 CARB-adopted diesel exhaust URF of 300 in one million per $\mu\text{g}/\text{m}^3$ is based upon Scientific Review Panel's review of the report *Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant* prepared by CARB. CARB's basis for determining diesel exhaust a toxic air contaminant is based on epidemiological studies as outlined in the Scientific Review Panel's assessment. The risk estimates assume sensitive receptors will be subject to DPM for 24 hours a day, 350 days a year. As a conservative measure, the SCAQMD does not recognize indoor adjustments for residents. However, the typical person spends the majority of their time indoors versus remaining outdoors for 24 hours a day, 350 days a year.¹

The exposure to DPM is assumed to be constant for the given period analyzed (i.e., 70 years). It should be noted however that emissions from DPM are expected to substantially decrease in the future with the implementation of standard regulatory requirements and technological advancement to reduce DPM.

The emissions derived assume that every truck accessing the project site will idle for 15 minutes, this is an overestimation of actual idling times and thus conservative.²

2.2 EMISSIONS ESTIMATION

Vehicle DPM emissions were estimated using emission factors for particulate matter less than 10 μm in diameter (PM₁₀) 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

¹ In May, 1991 the California Air Resources Board (CARB) Research Division in association with the University of California, Berkeley published research findings entitled: *Activity Patterns of California Residents*. The findings of that study indicate that on average, adults and adolescents in California spent almost 15 hours per day inside their homes, and six hours in other indoor locations, for a total of 21 hours (87% of the day). About 2 hours per day were spent in transit, and just over 1 hour per day was spent in outdoor locations.

² 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 (personal communication, phone call, with James Koizumi, May 6, 2009), 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.

roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (3). 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.

The most important improvement in EMFAC 2014 is the integration of the new data and methods to estimate emissions from diesel trucks and buses. EMFAC 2014 uses the same diesel truck and bus vehicle populations, miles traveled and other emissions-related factors developed for the Truck and Bus Rule approved by the Air Resources Board in 2010. The model includes the emissions benefits of the truck and bus rule and the previously adopted rules for other on-road diesel equipment. Finally, the impacts of the recession on emissions that were quantified as part of the truck and bus rulemaking are included.

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.

For this Project, annual average PM₁₀ emission factors were generated by running EMFAC 2014 in EMFAC Mode for vehicles in the SCAQMD district within Riverside County. 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
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

The average PM₁₀ emission factors for each type of vehicle were calculated based on the annual average emission factors from different model years for various exposure periods associated with assumptions for evaluating exposure to different receptor populations (e.g., sensitive, offsite worker and resident, respectively):

Exposure parameters based on 2015 OEHHA Guidelines

- 1) 30-year exposure: 2017 through 2046 (Residential Exposure Scenario)
- 2) 25-year exposure: 2017 through 2041 (Worker Exposure Scenario)
- 3) 9-yr exposure: 2017 through 2025 (School Child Exposure Scenario)

Calculated emission factors for each of these scenarios are shown in Table 2-1.

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 (3):

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

Where:

$\text{Emissions}_{\text{speedA}}$ (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 (3):

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

Where:

$\text{Emissions}_{\text{idle}}$ (g/s): Vehicle emissions during idling;

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

TABLE 2-1: WEIGHTED AVERAGE DPM EMISSIONS FACTORS (2015 OEHHA GUIDELINES)

2016-2046 – 30 Year Residential Exposure Scenario	
Speed	HHD
0 (idling)	0.01357 (g/idle-hr)
5	0.02587 (g/s)
25	0.01355 (g/s)
2016-2041 – 25 Year Worker Exposure Scenario	
Speed	HHD
0 (idling)	0.00994 (g/idle-hr)
5	0.01804 (g/s)
25	0.00931 (g/s)
2016-2024 – 9 Year School Child Exposure Scenario	
Speed	HHD
0 (idling)	0.03679 (g/idle-hr)
5	0.05845 (g/s)
25	0.02801 (g/s)

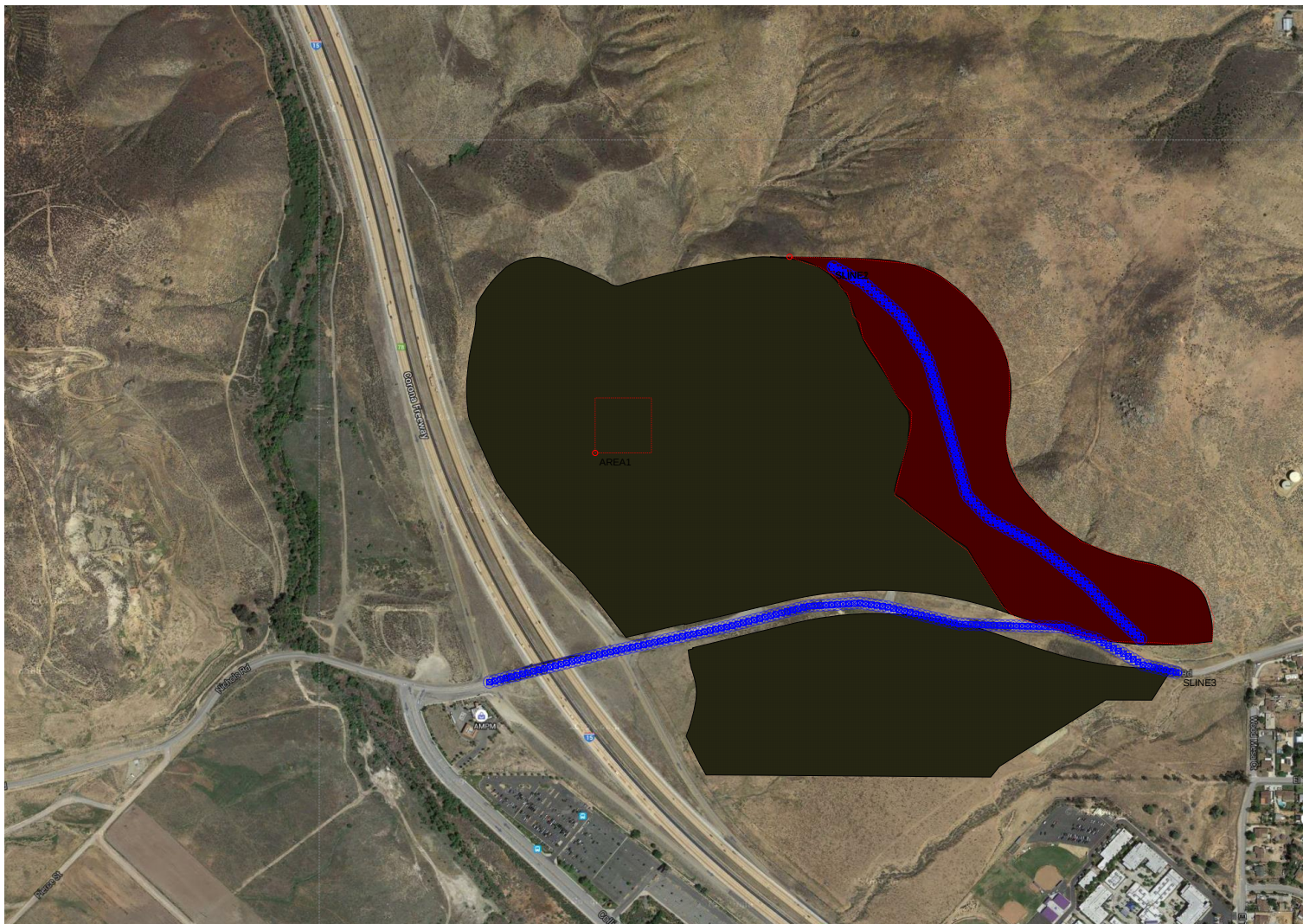
Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report, but are included in Appendix 5.1. The DPM emission rate 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. On-site idling at the Project was modeled as point sources. The modeled emission sources are illustrated on Exhibit 2-A.

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 (4), as a conservative measure.

OPERATIONAL EQUIPMENT:

DPM emissions will also be generated by operational equipment as discussed in the project's Air Quality Impact Analysis (AQIA). As summarized in the AQIA, mining activities during the baseline period result in approximately 20,316 horsepower hours per day. However, during most of the baseline operating period, the Mine was under different ownership, and the equipment utilized during that period is not reflective of the equipment that has been utilized on-site since 2014. At the time the Project's Notice of Preparation (NOP) was distributed for public review in July 2015, existing mining operations on-site were estimated to be approximately 25,158 horsepower hours per day (hh/d), representing an approximate 23.8% increase as compared to the horsepower hours per day that were associated with mining operations under previous ownership. Although the Project would not increase the amount of hh/d as compared to the existing operational conditions that existed on-site at the time the

EXHIBIT 2-A: MODELED EMISSION SOURCES



Project's NOP was distributed for public review, in an effort to be conservative and consistent with the annual tonnage increase of 35.1%, the analysis herein increases the Project's hh/d to approximately 35.1% above what was in use under previous ownership. Thus, for analytical purposes herein, it is assumed that equipment used under the proposed Project would require approximately 27,495 horsepower hours per day, reflecting an approximate 35.1% increase in horsepower as compared to the baseline condition.

ASPHALT BATCH PLANT EMISSIONS:

The Nichols North site is also subject to approved Conditional Use Permit (CUP 2014-07) which allows for the operation of a portable asphalt batch plant on approximately 1.76 acres of the Project site. Although the asphalt batch plant is previously approved, entitled, and permitted, the analysis in this HRA conservatively assumes 100% of the impacts from the previously entitled asphalt batch plant (330,000 tons per year of asphalt material). For analytical purposes the following primary toxic air contaminants (TACs) associated with the asphalt batch plant have been evaluated in this HRA:

- Formaldehyde
- Arsenic
- Benzene

It should be noted that there may be other TACs associated with the asphalt batch plant, however the contribution of other TACs is di minimus and specific modeling of all TACs is not necessary. More specifically, screening procedures developed by other air agencies using US EPA criterion have identified that formaldehyde, arsenic, and benzene should be specifically modeled. See Appendix 5.3 for additional details on the asphalt plant TAC inventory. The asphalt batch plant was modeled using an area source encompassing approximately 1.76 acres.

2.3 2015 OEHHA GUIDELINES

It should be noted that there has been a wide variety of debate on how the 2015 OEHHA Guidelines will be applied to CEQA projects. The OEHHA guidelines are geared toward addressing AB 2588 air toxic hotspot requirements, specifically. Notwithstanding that, the U.S. EPA has said that the age sensitivity factors (ASFs), should only be applied to pollutants that elicit a primary mutagenic mode of action. None of the Project's pollutants elicit a primary mutagenic mode of action.

A review of relevant guidance was conducted to determine applicability of the use of early life exposure adjustments to identified carcinogens. For risk assessments conducted under the auspices of The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB2588), OEHHA applies specific adjustment factors to all carcinogens regardless of purported mechanism of action. However, the study relied upon U.S. EPA guidance relating to the use of early life exposure adjustment factors (*Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens*, EPA/630/R-003F) whereby adjustment factors are only considered when carcinogens act "through the mutagenic mode of action." A mutagen is a physical or chemical agent that changes genetic material, such as DNA, increasing the frequency

of mutations to produce carcinogenic effects. The use of adjustment factors is recommended to account for the susceptibility of producing adverse health effects during early life stages from exposure to these mutagenic compounds. None of the carcinogens considered in the study for this Project elicit a mutagenic mode of action and, therefore, the use of age specific adjustment factors is not warranted. The study correctly used a lifetime exposure adjustment factor of 1.0.

By way of background, the Air Toxics "Hot Spots" Information and Assessment Act requires stationary sources (facilities) to report the type and quantity of substances they routinely release into the air. The regulation requires that toxic air emissions from facilities be quantified and compiled into an inventory according to criteria and guidelines developed by CARB, that each facility be prioritized to determine whether a risk assessment is conducted, that risk assessments be conducted according to methods developed by OEHHA and that the public be notified of significant risks. Please note that OEHHA clarifies its risk assessment's applicability by stating that "roadways are not part of the Hot Spots program because the program only addresses stationary sources."

It should be noted that neither the South Coast Air Quality Management District (SCAQMD) nor any other air agency in the Southern California region has adopted guidance on the applicability/use of ASFs under CEQA.

At the June 5, 2015 SCAQMD Board Meeting, the SCAQMD adopted the 2015 OEHHA guidelines for use in their permitting process. Notwithstanding, the SCAQMD acknowledged in their response to comments received on the revised permitting rules³ that:

"The Proposed Amended Rules are separate from the CEQA significance thresholds. The SCAQMD staff is currently evaluating how to implement the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will evaluate a variety of options on how to evaluate health risks under the Revised OEHHA Guidelines under CEQA. The SCAQMD staff will conduct public workshops to gather input before bringing recommendations to the Governing Board. In the interim, staff will continue to use the previous guidelines for CEQA determinations."

Further at a June 18, 2015 Association of Environmental Professionals Meeting, the SCAQMD staff (Ms. Jillian Wong, Ph.D.) stated that any new guidance regarding ASFs under CEQA for projects where SCAQMD is not the lead agency, will not be adopted until there is completion of a public process. At this time, no such process has commenced and no formal guidance has been adopted.

Lastly, as previously noted the SCAQMD is in the process of evaluating how the Revised OEHHA Guidelines will be applied to CEQA projects under their jurisdiction and currently recommends continued use of previous guidelines for CEQA determinations. In the rulemaking activity for the 2015 OEHHA guidelines as they apply to permitting projects, the SCAQMD also

³ See Response to Comment #13, Page A-7 and A-8 of the June 5, 2015 board meeting Agenda No. 28. <http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2015/2015-jun1-028>

recommends use of the previous version of the OEHHA guidelines for spray booths and retail gasoline stations⁴.

Similarly, the SJVAPCD has actually adopted a new significance threshold in conjunction with the 2015 OEHHA guidelines⁵. More specifically, in recognition of the impact that the 2015 OEHHA guidelines would have on CEQA, SJVAPCD has actually adopted a new maximally exposed individual risk numeric significance threshold of 20 in one million which is two times the prior SJVAPCD threshold of 10 in one million⁶. It should be noted that the SJVAPCD's adoption of the 2015 OEHHA guidelines for CEQA was part of a public process.

Notwithstanding, although not required by CEQA, the Project's potential health risks have been evaluated under the 2015 OEHHA Guidelines using appropriate ASFs to determine if any additional impacts would occur. Consistent with the 2015 OEHHA Guidelines, the exposure duration was revised from 70 years to 30 years for the residential scenario and 40 years to 25 years for the worker scenario. Additionally, applicable ASFs and breathing rates consistent with 2015 OEHHA Guidelines were applied. Results of the HRA if the 2015 OEHHA Guidelines were utilized are presented in Section 2.7 of this report.

2.4 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.

SCAQMD required model parameters are presented in Table 2-2 (5). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Lake Elsinore monitoring station (SRA 25) located approximately 3 miles southeast of the Project site was used to represent local weather conditions and prevailing winds (6).

TABLE 2-2: AERMOD MODEL PARAMETERS

Dispersion Coefficient (Urban/Rural)	Urban
Terrain (Flat/Complex)	Elevated (Regulatory Default)
Averaging Time	1 year
Receptor Height	0 meters (Regulatory Default)
Meteorological Station Data	Lake Elsinore (2008-2012)

Universal Transverse Mercator (UTM) coordinates for North American Datum (NAD) 83 were used to locate the project boundaries, each volume source location, and receptor locations in

⁴ See Page 3 of the June 5, 2015 board meeting Agenda No. 28. <http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2015/2015-jun1-028>

⁵ <http://www.valleyair.org/busind/pto/staff-report-5-28-15.pdf>

⁶ <http://www.valleyair.org/transportation/0714-GAMAQI-TACs-Thresholds-of-Significance.pdf>

the project vicinity. The AERMOD dispersion model summary output files for the proposed facility are presented in Appendix 5.1.

Modeled sensitive receptors were placed at discrete residential and non-residential locations for the applicable residential and non-residential scenarios as illustrated on Exhibits 2-B and 2-C. Additionally, based on recommendations from SCAMD staff, a receptor grid with 100 meter spacing was placed at residential, worker, and school locations in order to ensure that the maximum impacts are properly analyzed.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Table 2-3 summarizes the Exposure Parameters for Residents, Offsite Worker, and School Children scenarios based on 2015 OEHHA Guidelines. (7)

TABLE 2-3: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (2015 OEHHA GUIDELINES)

Exposure Parameter	Units	Residential	Worker	School Child ^a
Exposure Frequency	days/year	350	240	180
Exposure Duration	years	30	25	9
Inhalation Rate	L/kg-day	352	271	452
Exposure Time	hours/day	24	12	10
Age Sensitivity Factor (ASF)		2.6	1	3

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

2.5 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 ten 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, ten (10) in one million is used as the cancer risk threshold for the proposed Project.

Health risks associated with exposure to carcinogenic compounds are defined in terms of the probability of developing cancer as a result of exposure to a chemical at a given concentration. The cancer risk probability is determined by multiplying the chemical's annual concentration by its unit risk factor (URF). The URF is a measure of carcinogenic potential of a chemical when a dose is received through the inhalation pathway. It represents an upper-bound estimate of the probability of contracting cancer as a result of continuous exposure to an ambient concentration of one microgram per cubic meter ($\mu\text{g}/\text{m}^3$) over a 70 year lifetime. The URF utilized in this analysis was obtained from the California Environmental Protection Agency, Office of Environmental Health Hazard.

To effectively quantify dose, the procedure requires the incorporation of several discrete exposure variants. 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 associated with the proposed Project, the following dose algorithm was utilized.

$$CDI = (C_{air} \times EF \times ED \times IR) / (BW \times AT)$$

Where:

CDI	=	chronic daily intake (mg/kg/day)
C _{air}	=	concentration of contaminant in air (mg/m ³)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
IR	=	inhalation rate (m ³ /day)
BW	=	body weight (kg)
AT	=	averaging time (days)

The URFs utilized in the assessment and corresponding cancer potency factors were obtained principally from OEHHA guidance.

The risk estimates were thus calculated as follows:

$$CR_{DPM} = CDI \times CPF \text{ (includes URF)}$$

Where:

CR _{DPM}	=	cancer risk from DPM exposure
CDI	=	chronic daily intake (mg/kg/day)
CPF	=	cancer potency factor
URF	=	unit risk factor

2.6 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL).

The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 µg/m³ (OEHHA Toxicity Criteria Database, <http://www.oehha.org/risk/chemicaldb/index.asp>).

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

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

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

Where:

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

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

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

2.7 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS⁷

Project-related DPM-source cancer and non-cancer risks for residential, worker, and school child exposure scenarios for the Project are considered herein and are summarized as follows. 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.

Modeled sensitive receptors were placed at discrete residential and non-residential locations for the applicable residential and non-residential scenarios as illustrated on Exhibits 2-C, 2-D, and 2-E.

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project DPM source emissions is located approximately 386 feet southeast of to the Project's mining impact area. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project DPM source emissions is estimated at 2.15 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 0.0008, which would not exceed the applicable threshold of 1.0. Exhibit 2-B (presented later) illustrates the nearest modeled residential receptors and the MEIR.

Worker Exposure Scenario:

It should be noted that SCAQMD guidance does not require assessment of the potential health risk to on-site workers; additionally assessment of health risk to on-site workers is not required by OEHHA HRA guidelines. As such, for purposes of this analysis, risk to on-site workers has not been evaluated.

⁷ 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.

Potential risk to on-site workers is not required to be addressed through the typical health risk assessment process employed by SCAQMD and OEHHA. Further, the California Air Pollution Control Officers Association (CAPCOA) in their 2009 report titled: Health Risk Assessments for Proposed Land Use Projects, indicates that on-site receptors should only be included in health risk assessments if they are persons not employed by the project and if they would remain on-site for long periods of time (e.g., a caretaker residence that would reside there for most of the day and could be there for 24 hours per day for an extended period of time). Persons employed by the project would not remain on-site for any significant period (e.g., 24 hours per day). Therefore, a health risk assessment for on-site workers is not required or recommended.

The following 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), 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.

“If a facility must also comply with RCRA/CERCLA HRA requirements, health effects to on-site workers may also need to be addressed. The DTSC’s Remedial Project Manager should be consulted on this issue. In some cases it may be appropriate to evaluate risks to on-site receptors. The district should be consulted about special cases for which evaluation of on-site receptors is appropriate, such as facilities frequented by the public or where people may reside (e.g., military facilities).”

“On-site workers are protected by CAL OSHA and do not have to be evaluated under the Hot Spots program, unless the worker also lives on the facility site, or property. Occasionally, facilities like prisons, military bases, and universities have worker housing within the facility. In these situations the evaluation of on-site cancer risks, and/or acute and chronic non-cancer hazard indices is appropriate under the Hot Spots program.”

Since none of the previous scenarios apply to the project, risk to on-site workers has not been evaluated in this analysis.

The worker land use with the greatest potential exposure to Project DPM source emissions is located at Temescal Canyon High School at 28755 El Toro Road, Lake Elsinore, CA 92532 which is approximately 586 feet south of the Project. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact at this location is 0.36 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 0.011, which would not exceed the applicable threshold of 1.0. Exhibit 2-C (presented later) illustrates the nearest modeled worker receptors and the MEIW.

School Child Exposure Scenario:

The school site land use with the greatest potential exposure to Project DPM source emissions is located at Temescal Canyon High School at 28755 El Toro Road, Lake Elsinore, CA 92532 which is approximately 586 feet south of the Project. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact at this location is 3.3 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 0.0014, which would not exceed the applicable threshold of 1.0. Exhibit 2-C (presented later) illustrates the nearest modeled school receptors and the MEISC.

EXHIBIT 2-B: NEAREST MODELED RESIDENTIAL RECEPTORS

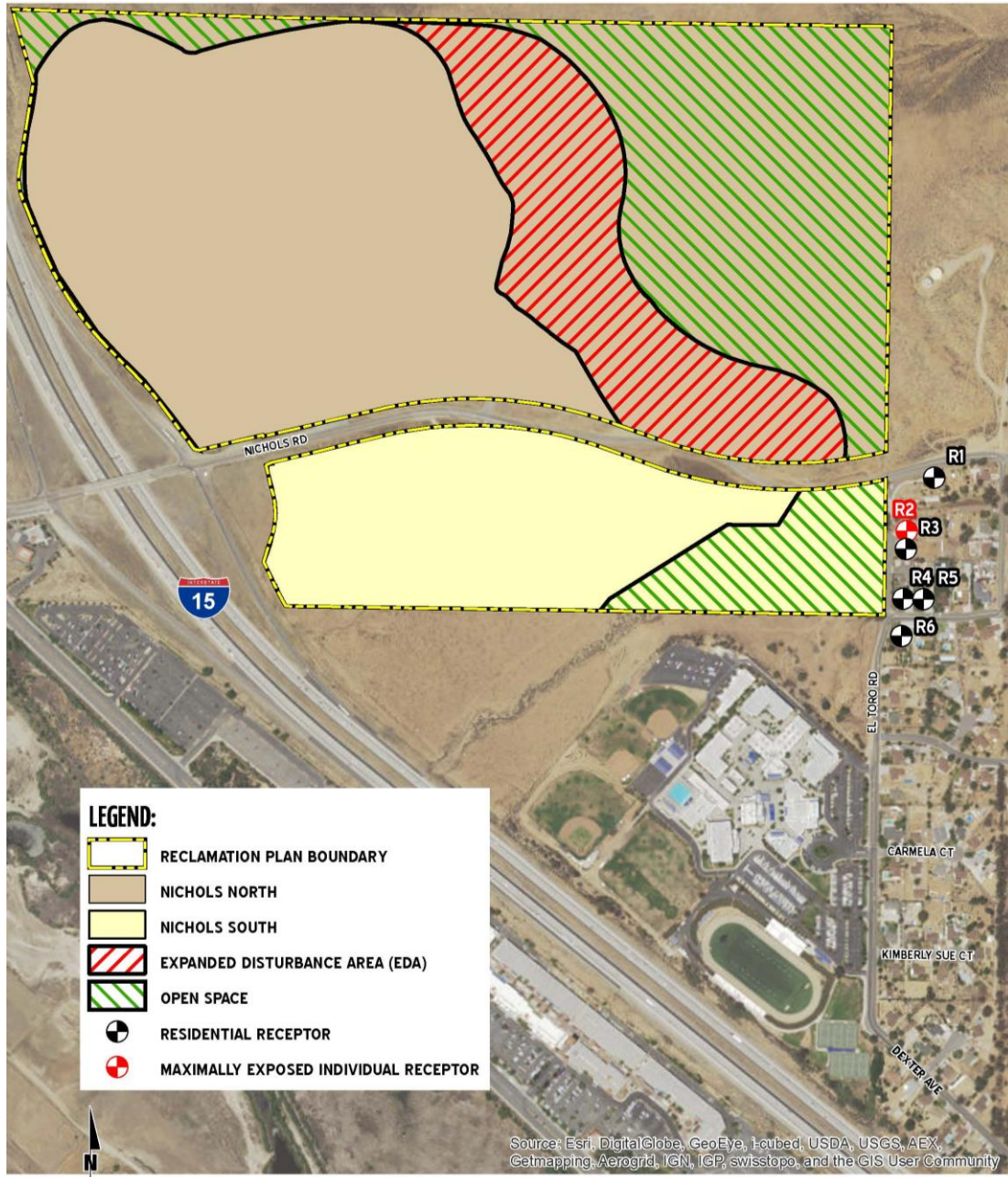
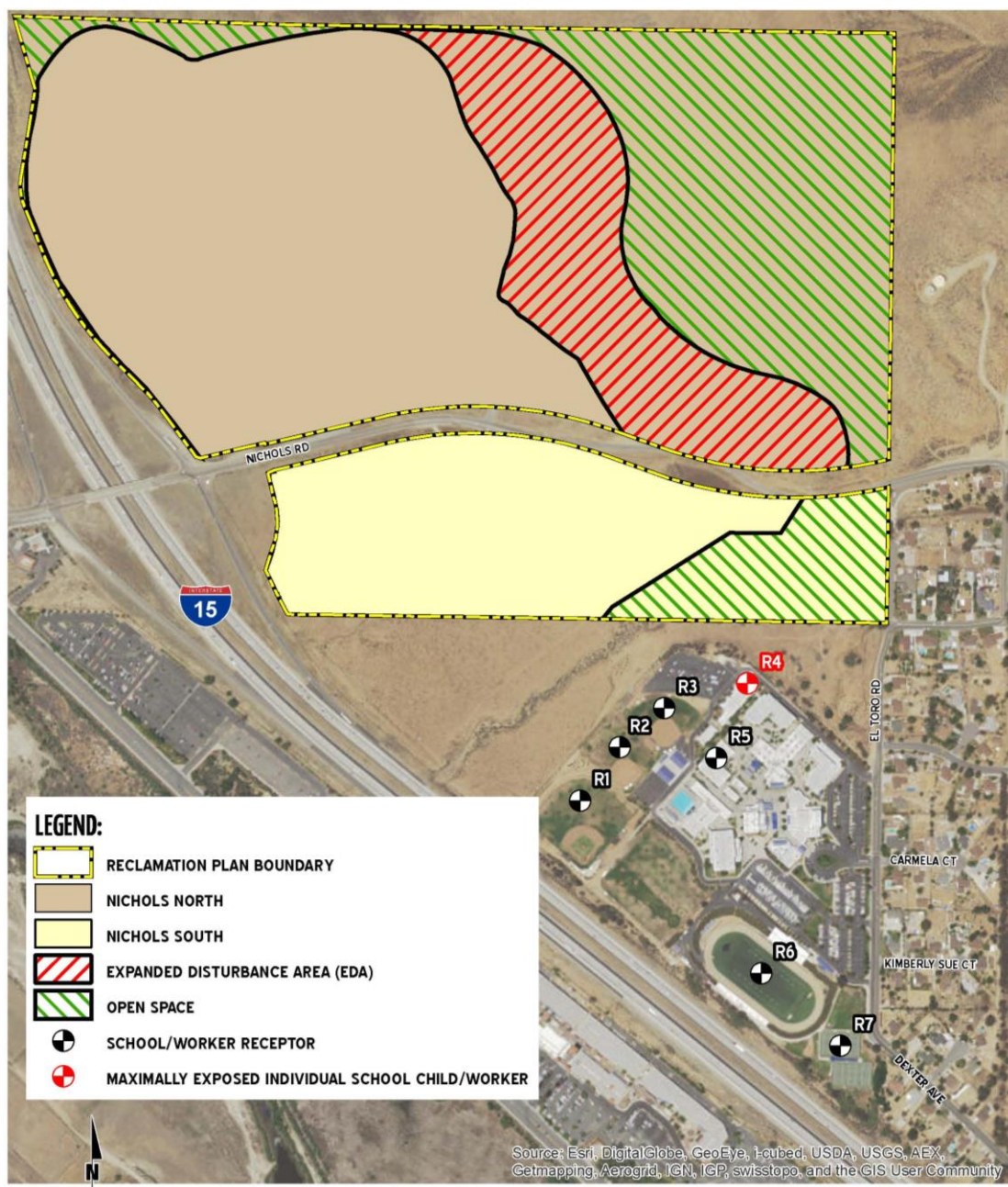


EXHIBIT 2-C: NEAREST MODELED SCHOOL/WORKER RECEPTORS



2.7 CEQA REQUIREMENTS FOR ADDRESSING CUMULATIVE IMPACTS

As a first step in determining a cumulative threshold for cumulative toxic air contaminant impacts, the applicable provisions of CEQA were reviewed. Excerpts from CEQA and the CEQA Guidelines regarding cumulative impacts are provided below.

In defining what may constitute a significant effect on the environment, CEQA 21083(b)(2) lists the following conditions for cumulative impacts:

The possible effects of a project are individually limited but cumulatively considerable. As used in this paragraph, "cumulatively considerable" means that the incremental effects of an individual project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.

CEQA Guidelines 15064(h) provides guidance for determining the significance of environmental effects caused by the project. The following subsections provide guidance specifically addressed at cumulative impacts.

- (1) *When assessing whether a cumulative effect requires an EIR, the lead agency shall consider whether the cumulative impact is significant and whether the effects of the project are cumulatively considerable. An EIR must be prepared if the cumulative impact may be significant and the project's incremental effect, though individually limited, is cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.*
- (2) *A lead agency may determine in an initial study that a project's contribution to a significant cumulative impact will be rendered less than cumulatively considerable and thus is not significant. When a project might contribute to a significant cumulative impact, but the contribution will be rendered less than cumulatively considerable through mitigation measures set forth in a mitigated negative declaration, the initial study shall briefly indicate and explain how the contribution has been rendered less than cumulatively considerable.*
- (3) *A lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable if the project will comply with the requirements in a previously approved plan or mitigation program (including, but not limited to, water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plan, plans or regulations for the reduction of greenhouse gas emissions) that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located. Such plans or programs must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency. When relying on a plan, regulation*

or program, the lead agency should explain how implementing the particular requirements in the plan, regulation or program ensure that the project's incremental contribution to the cumulative effect is not cumulatively considerable. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding that the project complies with the specified plan or mitigation program addressing the cumulative problem, an EIR must be prepared for the project.

- (4) The mere existence of significant cumulative impacts caused by other projects alone shall not constitute substantial evidence that the proposed project's incremental effects are cumulatively considerable.*

CEQA Guidelines 15130 provides guidance for discussing cumulative impact in an EIR. The following excerpts apply:

- (a) An EIR shall discuss cumulative impacts of a project when the project's incremental effect is cumulatively considerable, as defined in section 15065 (a)(3). Where a lead agency is examining a project with an incremental effect that is not "cumulatively considerable," a lead agency need not consider that effect significant, but shall briefly describe its basis for concluding that the incremental effect is not cumulatively considerable.*

- (1) As defined in Section 15355, a cumulative impact consists of an impact which is created as a result of the combination of the project evaluated in the EIR together with other projects causing related impacts. An EIR should not discuss impacts which do not result in part from the project evaluated in the EIR.*

- (2) When the combined cumulative impact associated with the project's incremental effect and the effects of other projects is not significant, the EIR shall briefly indicate why the cumulative impact is not significant and is not discussed in further detail in the EIR. A lead agency shall identify facts and analysis supporting the lead agency's conclusion that the cumulative impact is less than significant.*

- (b) The discussion of cumulative impacts shall reflect the severity of the impacts and their likelihood of occurrence, but the discussion need not provide as great detail as is provided for the effects attributable to the project alone. The discussion should be guided by standards of practicality and reasonableness, and should focus on the cumulative impact to which the identified other projects contribute rather than the attributes of other projects which do not contribute to the cumulative impact. The following elements are necessary to an adequate discussion of significant cumulative impacts:*

- (1) Either:*

- (A) A list of past, present, and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency, or*

- (B) *A summary of projections contained in an adopted local, regional or statewide plan, or related planning document, that describes or evaluates conditions contributing to the cumulative effect....*
- (2) *When utilizing a list, as suggested in paragraph (1) of subdivision (b), factors to consider when determining whether to include a related project should include the nature of each environmental resource being examined, the location of the project and its type. Location may be important, for example, when water quality impacts are at issue since projects outside the watershed would probably not contribute to a cumulative effect. Project type may be important, for example, when the impact is specialized, such as a particular air pollutant or mode of traffic.*
- (3) *Lead agencies should define the geographic scope of the area affected by the cumulative effect and provide a reasonable explanation for the geographic limitation used.*
- (4) *A summary of the expected environmental effects to be produced by those projects with specific reference to additional information stating where that information is available; and*
- (5) *A reasonable analysis of the cumulative impacts of the relevant projects. An EIR shall examine reasonable, feasible options for mitigating or avoiding the project's contribution to any significant cumulative effects.*
- (c) *With some projects, the only feasible mitigation for cumulative impacts may involve the adoption of ordinances or regulations rather than the imposition of conditions on a project-by-project basis.*

For cumulative toxic air contaminant (or "TAC") assessment, a list approach should be used to identify past and probable future projects producing related impacts. This allows for discrete sources of TAC emissions contributing to the cumulative impact to be identified. The location and geographic scope of the analysis is important for TACs due to effects of distance from the source on exposure of sensitive receptors to these pollutants.

2.8 EXISTING CONDITIONS FOR TOXIC EMISSIONS

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

site-specific evaluation is ultimately necessary to determine existing conditions for development projects.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT TOXIC ASSESSMENT

Based on information available from CARB, overall cancer risk throughout the basin has had a declining trend since 1990. In 1998, following an exhaustive 10-year scientific assessment process, the State of California Air Resources Board (ARB) identified particulate matter from diesel-fueled engines as a toxic air contaminant. The SCAQMD initiated a comprehensive urban toxic air pollution study, called MATES-II (for Multiple Air Toxics Exposure Study). Diesel particulate matter (DPM) accounts for more than 70 percent of the cancer risk.

In 2008 the SCAQMD prepared an update to the MATES-II study, referred to as MATES-III. MATES-III estimates the average excess cancer risk level from exposure to TACs is an approximately 17% decrease in comparison to the MATES-II study.

Nonetheless, the SCAQMD's most recent in-depth analysis of the toxic air contaminants and their resulting health risks for all of Southern California was from the *Multiple Air Toxics Exposure Study in the South Coast Air Basin, MATES IV*, which shows that cancer risk has decreased more than 55% between MATES III (2005) and MATES IV (2012) (25).

MATES-IV study represents the baseline health risk for a cumulative analysis. MATES-IV calculated cancer risks based on monitoring data collected at ten fixed sites within the South Coast Air Basin (SCAB). None of the fixed monitoring sites are within the local area of the Project site. However, MATES-IV has extrapolated the excess cancer risk levels throughout the basin by modeling the specific grids. MATES-IV modeling predicted an excess cancer risk of 402.04 in one million for the Project area. DPM is included in this cancer risk along with all other TAC sources. DPM accounts for 68% of the total risk shown in MATES-IV. Cumulatively-considerable Project-generated TACs are limited to DPM.

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* (8). 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."

PROJECT-LEVEL CUMULATIVE TOXIC RISK ESTIMATES

The most appropriate way to identify cumulative risk at a specific receptor location is to determine the zone of impact of all sources that contribute risk within a specified radius of the receptor that is most impacted by the project. The SCAQMD does not have specific methodology for assessing the geographic scope of cumulative impacts. In the absence of recommended guidance from the local air district/agencies, this analysis relies on the Bay Area Air Quality Management District (BAAQMD) guidelines. The BAAQMD recommends analyzing the impact of sources within 1,000-foot radius to capture the cumulative impact. A larger radius may be appropriate if a particularly large source is located beyond 1,000 feet from the project and should be considered on a project-by-project basis.

There are three scenarios that may occur when preparing a project-level cumulative analysis:

1. There are no existing or planned sources within the analysis radius that would contribute substantial emissions to the cumulative impact.
2. There are existing and planned sources within the analysis radius, but those sources are not cumulatively significant without the project.
3. The existing and planned sources within the analysis radius are significant without the project.

When considering the background cancer risk for the Project vicinity, the MATES-IV data has been determined to be the most appropriate since it provides a comprehensive assessment of the Project's geographic vicinity. Of the three scenarios identified above, #3 is most applicable for purposes of this analysis.

JUSTIFICATION OF THE GEOGRAPHIC SCOPE OF THE ANALYSIS

Proximity to sources of toxics is critical to determining the impact. In traffic-related studies, the additional non-cancer health risk attributable to proximity was seen within 1,000 feet and was strongest within 300 feet. California freeway studies show about a 70-percent drop-off in particulate pollution levels at 500 feet. Based on ARB and South Coast District emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is estimated at approximately 1,000 feet from a mining operation (9).

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

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

location. Assessments should sum individual hazards or risks to find the cumulative impact at the location of the maximally impacted receptor from the new source.

Lastly, the Waters Bill (AB 3205) (H&SC Section, 42301.6 through 42301.9) (10) addresses sources of hazardous air pollutants near schools. It requires new or modified sources of hazardous air emissions located within 1000 feet from the outer boundary of a school to give public notice to the parents or guardians of children enrolled in any school located within one-quarter mile of the source and to each address within a 1000 foot radius.

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

CUMULATIVE IMPACT ANALYSIS

Consistent with Section 15130(b) of the CEQA Guidelines a list of past, present, and probable future projects producing related or cumulative impacts have been identified. The Project's traffic study (11) identified 48 cumulative projects in the study area as summarized on Table 2-4. As discussed above, for analytical purposes related to TACs the geographic scope of this analysis is focused on an approximate one-quarter mile or 1,320 feet radius from the Project site.

Exhibit 2-D illustrates cumulative projects in the study area. It should be noted that none of the 48 cumulative projects identified are located within $\frac{1}{4}$ mile of the Project site thus they do not have the potential to contribute substantive TACs to the study area.

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

The cumulative with Project cancer risks are summarized on Table 2-5 for the Project. A summary of cumulative impacts for Residential, Worker, and School Child Exposure scenarios is as follows:

TABLE 2-4: CUMULATIVE DEVELOPMENT LIST

No.	Project Name	Location	Land Use	Quantity ¹	
City of Lake Elsinore					
LE1	Greenwald ²	Lake Elsinore	Shopping Center	104.450	TSF
LE2	Ramsgate	Lake Elsinore	Single Family Residential	1,012	DU
			Condo/Townhomes	120	DU
LE3	Trieste Residential (Tract 36624)	Lake Elsinore	Single Family Residential	75	DU
LE4					
LE5	1400 Minthorn Street ³	Lake Elsinore	Single Family Residential	84	DU
LE6	Spyglass Ranch ⁴	Lake Elsinore	Single Family Residential	523	DU
			Condo/Townhomes	171	DU
			Shopping Center	145.00	TSF
LE7	South Shore I (Tract 31593) ⁵	Lake Elsinore	Single Family Residential	521	DU
	South Shore II (Tract 36567) ⁵	Lake Elsinore	Single Family Residential	147	DU
LE8	La Strada (Tract 32077)	Lake Elsinore	Single Family Residential	134	DU
LE9	Tuscany West (Tract 25473) ⁵	Lake Elsinore	Single Family Residential	164	DU
LE10	Marina Village Condos (Tract 33820) ⁶	Lake Elsinore	Condo/Townhomes	94	DU
LE11	Watersedge ⁵	Lake Elsinore	Single Family Residential	170	DU
			Condo/Townhomes	250	DU
			Apartments	110	DU
			Office	54.600	TSF
			Hotel	150	RM
			Boat/Watercraft Dealers & Service	50.000	TSF
			Mini-Warehouse (Boat & Watercraft Storage)	76.000	TSF
			Shopping Center	86.600	TSF
	Cottages by the Lake	Lake Elsinore	Condo/Townhomes	169	DU
LE12	Tessera ⁵	Lake Elsinore	Single Family Residential	90	DU
LE13	TAG Property ⁶	Lake Elsinore	New Car Sales	50.000	TSF
LE14	City Center Condos ⁶	Lake Elsinore	Condo/Townhomes	144	DU
LE15	Lake View Villas	Lake Elsinore	Condo/Townhomes	155	DU
LE16	Diamond Specific Plan ⁷	Lake Elsinore	Condo/Townhomes	600	DU
			Hotel	150	RM
			General Office	425.000	TSF
			Shopping Center	472.000	TSF
LE17	The Colony ⁶	Lake Elsinore	Apartments	211	DU
	Back Basin Specific Plan & East Lake Specific Plan	Lake Elsinore	Single Family Residential	2,407	DU
			Condo/Townhomes	324	DU
	John Laing Homes (Phase 2)	Lake Elsinore	Single Family Residential	506	DU
			Condo/Townhomes	1,141	DU
			Apartments	308	DU
			Shopping Center	117.000	TSF

LE18	Canyon Hills Estates (Tract 34249)	Lake Elsinore	Single Family Residential	302	DU
	Canyon Hills (Multiple Tracts)	Lake Elsinore	Single Family Residential	2,700	DU
			Apartments	1,575	DU
	Audie Murphy (Tract 36484)	Lake Elsinore	Single Family Residential	109	DU
	Audie Murphy (Tract 36485)	Lake Elsinore	Single Family Residential	1,003	DU
LE19	Gruneto Hills	Lake Elsinore	Single Family Residential	191	DU
LE20	Hotel at 17584 Lawrence Way	Lake Elsinore	Hotel	57	RM
LE21	Alberhill Ridge (Tract 35001)	Lake Elsinore	Single Family Residential	1,056	DU
			Apartments	345	DU
			Shopping Center	679.000	TSF
			General Office	679.000	TSF
LE22	Alberhill Ranch	Lake Elsinore	Single Family Residential	1,986	DU
LE23	Lake Elsinore Walmart	Lake Elsinore	Free-Standing Discount Superstore	154.487	TSF
			Specialty Retail	4.600	TSF
			Fast Food w/Drive Thru	6.800	TSF
			Fast Food w/o Drive Thru	4.600	TSF
LE24	Circle K	Lake Elsinore	Gas Station	4.500	TSF
LE25	Alberhill Villages	Lake Elsinore	Single Family Residential	9,536	DU
LE26	Terracina	Lake Elsinore	Single Family Residential	365	DU
LE27	Encore at Cambria Hills	Lake Elsinore	Single Family Residential	214	DU
LE28	Family Dollar Store	Lake Elsinore	Discount Store	8.320	TSF
LE29	Fisherman's Wharf	Lake Elsinore	Fisherman's Wharf	12.748	TSF
LE30	Wake Rider Beach Resort	Lake Elsinore	Beach Resort	11.350	TSF
LE31	Lakeshore Town Center	Lake Elsinore	Town Center	237.400	TSF
LE32	Ortega	Lake Elsinore	Single Family Residential	105	DU
LE33	Summerly	Lake Elsinore	Single Family Residential	142	DU
LE34	Beazer, KB Homes, McMillin Homes, Richmond American	Lake Elsinore	Single Family Residential	395	DU
LE35	Village at Lake Elsinore SPA #1	Lake Elsinore	Single Family Residential	163	DU
LE36	Lake Shore Pointe Phase I	Lake Elsinore	Single Family Residential	43	DU
			Apartments	161	DU
LE37	Golden Corral Restaurant	Lake Elsinore	Restaurant	7.798	TSF
County of Riverside					
RC1	Lennar (Tract 31792)	County of Riverside	Single Family Residential	191	DU
RC2	PM33840	County of Riverside	Single Family Residential	4	DU
RC3	PP20158R1	County of Riverside	Storage Facility	103.727	TSF
RC4	CUP03651	County of Riverside	Recycling Facility	0.504	TSF
City of Wildomar					
W1	Rancon Monte Vista Residential (TTM No. 31409, APN: 367-110-007, 367-110-008)	Wildomar	SFDR	126	DU
W2	Wildomar Walmart	Wildomar	Free-Standing Discount Superstore	200.000	TSF
			Specialty Retail	3.900	TSF
			Fast-food with Drive-Through	126.000	TSF

W3	Cornerstone Church Pre-School Expansion (PUP No. 778) ⁴	Wildomar	Pre-School/Day Care	180	STU
W4	Sehremelis PAR (TTM 29426, APN:367-250-007)	Lake Elsinore	SFDR	80	DU
W5	Subway (Case No. 10-0222, APN:366-390-026, 366-390-027)	Wildomar	Specialty Retail	10.500	TSF
W6	Orange Bundy (TPM 30522, APN: 367-100-024, 367-100-026)	Wildomar	Retail	79.497	TSF
			Fast Food w/Drive Thru	1.500	TSF
			Gas Station w/ Market	6	VFP
W7	Bundy Canyon Plaza (Case No. 08-0179, TPM 32257, APN:367-100-019)	Wildomar	Retail	33.800	TSF
			Fast Food w/Drive Thru	6.200	TSF
			Gas Station w/ Market	12	VFP

¹ TSF = Thousand Square Feet; DU = Dwelling Unit; AC = Acres; STU = Students; VFP = Vehicle Fueling Positions

² Source: Greenwald Avenue Commercial Center TIA, Urban Crossroads, Inc., May 2008.

³ Source: 1400 Minthorn Street Traffic Study Report, ASM Consulting, August 2007.

⁴ Source: Spyglass Ranch TIA (Revised), Kunzman Associates, February 2007.

⁵ Source: Porto Romano SP TIA (Revised), Urban Crossroads, Inc., May 2007.

⁶ Source: Lake Elsinore TAG Property TIA (Revised), Urban Crossroads, Inc., August 2008.

⁷ Source: The Diamond Specific Plan TIA, Urban Crossroads, Inc., April 2009.

EXHIBIT 2-D: CUMULATIVE DEVELOPMENT PROJECTS LOCATION MAP

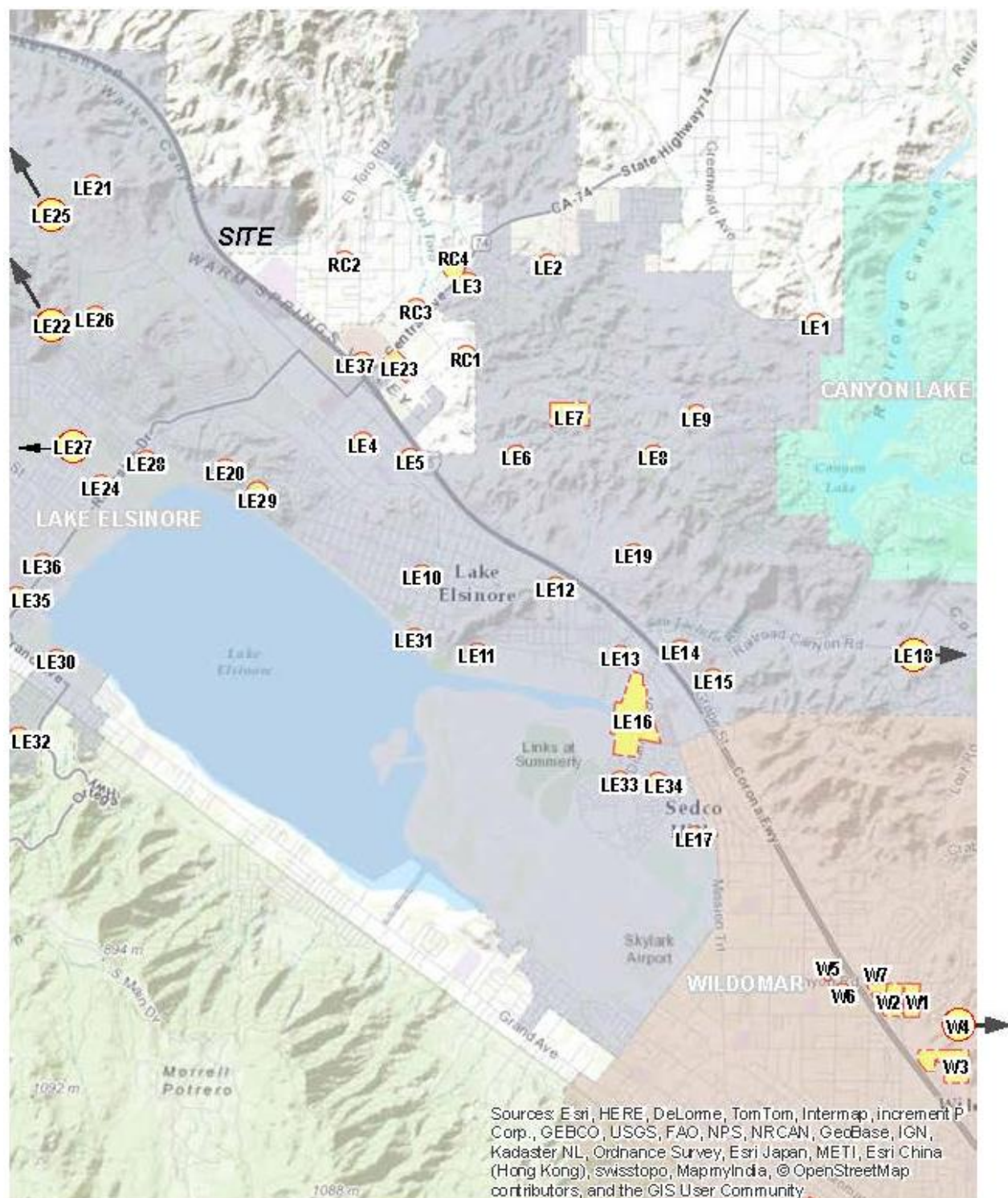


TABLE 2-5: CUMULATIVE CANCER RISK⁸

	Cancer Risk as Maximum Sensitive Receptor (risk in one million)			
	Existing	Project Site	Cumulative Projects	Total Cumulative Risk
Maximum Impact to All Receptors Without Project	402.04		--	~402.04
Maximum Impact to Nearest Residential With Project	402.04	2.15	--	~404.19
Maximum Impact to Nearest Worker With Project	402.04	0.36	--	~402.40
Maximum Impact to Nearest School With Project	402.04	3.3	--	~405.35

Source: **MATES IV Carcinogenic Risk Interactive Map**(<http://www3.aqmd.gov/webappl/OI.Web/OI.aspx?jurisdictionID=AQMD.gov&shareID=73f55d6b-82cc-4c41-b779-4c48c9a8b15b>).

-- = negligible

Residential Exposure Scenario:

The highest cumulative with Project cancer risk is ~404.19 in one million. The Project's maximum incremental contribution to the cumulative health risk in the Project area is 2.15 in one million which is not above the 10 in one million incremental threshold set by SCAQMD, and is therefore less-than-significant. Accordingly, pursuant to SCAQMD cumulative impact criteria, the Project's Residential Exposure impacts would not be cumulatively considerable.

Worker Exposure Scenario:

The highest cumulative with Project cancer risk after is ~402.40 in one million. The Project's maximum incremental contribution to the cumulative health risk in the Project area is 0.36 in one million which is not above the 10 in one million incremental threshold set by SCAQMD, and is therefore less-than-significant. Accordingly, pursuant to SCAQMD cumulative impact criteria, the Project's Worker Exposure impacts would not be cumulatively considerable.

School Child Exposure Scenario:

The highest cumulative with Project cancer risk after is ~405.35 in one million. The Project's maximum incremental contribution to the cumulative health risk in the Project area is 3.3 in one million which is not above the 10 in one million incremental threshold set by SCAQMD, and is therefore less-than-significant. Accordingly, pursuant to SCAQMD cumulative impact criteria, the Project's School Child Exposure impacts would not be cumulatively considerable.

⁸ Although cumulative impacts typically represent a General Plan Buildout Scenario, there is no such data available for what General Plan Buildout DPM emissions impacts would be. The background risk, however, would likely overstate, rather than understate future DPM impacts and is assumed to be inclusive of future growth. It should be noted that due to improved DPM emissions control technologies and increasingly stringent DPM emissions regulations, the cancer risk incidence in the seven (7) years between the Mates II and Mates III studies declined by approximately 15% even as population and business growth occurred throughout the region. Additionally cancer risk has decreased more than 50% between MATES III (2005) and MATES IV (2014).

3 REFERENCES

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http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html.
2. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003.
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5. **Koizumi, James.** *Planning, Rule Development & Area Sources*. May 6, 2009.
6. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model - AERMOD. [Online] September 2004. <http://www.epa.gov/scram001/7thconf/aermod/aermodugb.pdf>.
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8. —. *Final Localized Significance Threshold Methodology*. 2003.
9. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective*. 2005.
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<http://codes.lp.findlaw.com/cacode/HSC/1/d26/4/4/1/s42301.6>.
11. **Urban Crossroads, Inc.** *Amendment No. 2 to Reclamation Plan 2006-01 Traffic Impact Analysis*. Irvine : s.n., 2016.

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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 Amendment No. 2 to Reclamation Plan 2006-01 Project. The information contained in this health risk assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

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EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

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

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APPENDIX 5.1:

AERMOD MODEL INPUT/OUTPUT

ResDPM

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 6/1/2016
** File: C:\Users\hqureshi\Desktop\Nichols Mine\9600_Modeling Files\HRA\ResDPM\ResDPM.ADI
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*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
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  AVERTIME ANNUAL
  URBANOPT 2100516
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL ResDPM.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
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** -----
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** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-Site Idling
** PREFIX
** Length of Side = 8.50
** Configuration = Adjacent
** Emission Rate = 2.748E-06
** Vertical Dimension = 4.00
** SZINIT = 1.86
** Nodes = 11
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** 467301.041, 3730331.128, 509.58, 0.00, 3.95
** 467357.787, 3730278.922, 517.06, 0.00, 3.95
** 467398.643, 3730210.828, 508.31, 0.00, 3.95
** 467432.691, 3730090.528, 475.46, 0.00, 3.95
** 467455.389, 3730005.410, 436.97, 0.00, 3.95
** 467489.436, 3729969.093, 426.89, 0.00, 3.95
** 467558.665, 3729929.371, 429.01, 0.00, 3.95
** 467636.974, 3729865.816, 424.62, 0.00, 3.95
** 467668.751, 3729830.634, 421.78, 0.00, 3.95
** 467720.957, 3729779.563, 415.97, 0.00, 3.95
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  LOCATION L0000773      VOLUME  467263.483 3730351.217 502.88
  LOCATION L0000774      VOLUME  467270.978 3730347.208 504.79
  LOCATION L0000775      VOLUME  467278.473 3730343.199 506.62
  LOCATION L0000776      VOLUME  467285.969 3730339.190 508.40
  LOCATION L0000777      VOLUME  467293.464 3730335.181 509.90
  LOCATION L0000778      VOLUME  467300.959 3730331.172 511.00

```

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LOCATION	L0000780	VOLUME	467313.483	3730319.681	511.68
LOCATION	L0000781	VOLUME	467319.739	3730313.926	512.14
LOCATION	L0000782	VOLUME	467325.994	3730308.171	512.86
LOCATION	L0000783	VOLUME	467332.250	3730302.416	514.07
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LOCATION	L0000788	VOLUME	467361.800	3730272.234	519.18
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** Line Source Represented by Adjacent Volume Sources

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** DESCRSRC On-Site Travel

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00002021

** Vertical Dimension = 4.00

** SZINIT = 1.86

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LOCATION	L0000888	VOLUME	467399.975	3730206.124	506.88

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LOCATION	L0000943	VOLUME	467656.292	3729844.428	426.24
LOCATION	L0000944	VOLUME	467661.989	3729838.120	425.09
LOCATION	L0000945	VOLUME	467667.687	3729831.812	423.94
LOCATION	L0000946	VOLUME	467673.692	3729825.800	422.96
LOCATION	L0000947	VOLUME	467679.768	3729819.856	422.78
LOCATION	L0000948	VOLUME	467685.844	3729813.912	422.40
LOCATION	L0000949	VOLUME	467691.920	3729807.968	422.03
LOCATION	L0000950	VOLUME	467697.997	3729802.024	421.65
LOCATION	L0000951	VOLUME	467704.073	3729796.080	421.27
LOCATION	L0000952	VOLUME	467710.149	3729790.136	420.87
LOCATION	L0000953	VOLUME	467716.225	3729784.192	420.12

** End of LINE VOLUME Source ID = SLINE2

**

ResDPM

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Off-Site Travel

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00001461

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 15

** 467773.569, 3729732.155, 414.00, 0.00, 3.95

** 467719.897, 3729744.702, 413.93, 0.00, 3.95

** 467689.924, 3729762.128, 414.29, 0.00, 3.95

** 467662.042, 3729777.463, 412.74, 0.00, 3.95

** 467650.889, 3729785.131, 413.77, 0.00, 3.95

** 467631.372, 3729789.313, 412.26, 0.00, 3.95

** 467602.096, 3729802.557, 410.47, 0.00, 3.95

** 467522.632, 3729804.648, 408.27, 0.00, 3.95

** 467443.169, 3729807.437, 402.19, 0.00, 3.95

** 467335.127, 3729833.924, 399.47, 0.00, 3.95

** 467295.395, 3729839.501, 398.16, 0.00, 3.95

** 467217.326, 3729834.621, 400.44, 0.00, 3.95

** 467097.434, 3729803.254, 398.97, 0.00, 3.95

** 466919.687, 3729764.220, 401.42, 0.00, 3.95

** 466736.447, 3729716.966, 402.67, 0.00, 3.95

** -----

LOCATION	L0000954	VOLUME	467769.431	3729733.123	414.00
LOCATION	L0000955	VOLUME	467761.154	3729735.058	413.99
LOCATION	L0000956	VOLUME	467752.877	3729736.993	414.10
LOCATION	L0000957	VOLUME	467744.600	3729738.927	414.29
LOCATION	L0000958	VOLUME	467736.323	3729740.862	414.47
LOCATION	L0000959	VOLUME	467728.047	3729742.797	414.59
LOCATION	L0000960	VOLUME	467719.784	3729744.768	414.68
LOCATION	L0000961	VOLUME	467712.436	3729749.040	414.91
LOCATION	L0000962	VOLUME	467705.087	3729753.312	414.98
LOCATION	L0000963	VOLUME	467697.739	3729757.585	414.87
LOCATION	L0000964	VOLUME	467690.391	3729761.857	414.62
LOCATION	L0000965	VOLUME	467682.949	3729765.964	414.22
LOCATION	L0000966	VOLUME	467675.501	3729770.061	414.22
LOCATION	L0000967	VOLUME	467668.053	3729774.157	414.10
LOCATION	L0000968	VOLUME	467660.691	3729778.392	413.86
LOCATION	L0000969	VOLUME	467653.687	3729783.208	413.57
LOCATION	L0000970	VOLUME	467645.898	3729786.201	413.14
LOCATION	L0000971	VOLUME	467637.586	3729787.982	412.77
LOCATION	L0000972	VOLUME	467629.418	3729790.197	412.39
LOCATION	L0000973	VOLUME	467621.673	3729793.701	412.05
LOCATION	L0000974	VOLUME	467613.929	3729797.204	411.71
LOCATION	L0000975	VOLUME	467606.185	3729800.707	411.48
LOCATION	L0000976	VOLUME	467598.085	3729802.663	411.16
LOCATION	L0000977	VOLUME	467589.588	3729802.886	410.69
LOCATION	L0000978	VOLUME	467581.091	3729803.110	410.64
LOCATION	L0000979	VOLUME	467572.594	3729803.334	410.59
LOCATION	L0000980	VOLUME	467564.097	3729803.557	410.54
LOCATION	L0000981	VOLUME	467555.600	3729803.781	410.35
LOCATION	L0000982	VOLUME	467547.103	3729804.004	410.00
LOCATION	L0000983	VOLUME	467538.606	3729804.228	409.65
LOCATION	L0000984	VOLUME	467530.109	3729804.452	409.30
LOCATION	L0000985	VOLUME	467521.612	3729804.684	408.14
LOCATION	L0000986	VOLUME	467513.117	3729804.982	406.93
LOCATION	L0000987	VOLUME	467504.622	3729805.280	405.72
LOCATION	L0000988	VOLUME	467496.127	3729805.578	404.73
LOCATION	L0000989	VOLUME	467487.633	3729805.876	404.07
LOCATION	L0000990	VOLUME	467479.138	3729806.174	403.40
LOCATION	L0000991	VOLUME	467470.643	3729806.473	402.73
LOCATION	L0000992	VOLUME	467462.148	3729806.771	402.48
LOCATION	L0000993	VOLUME	467453.654	3729807.069	402.30
LOCATION	L0000994	VOLUME	467445.159	3729807.367	402.11

				ResDPM
LOCATION	L0000995	VOLUME	467436.847	3729808.986 401.96
LOCATION	L0000996	VOLUME	467428.592	3729811.010 401.82
LOCATION	L0000997	VOLUME	467420.336	3729813.034 401.64
LOCATION	L0000998	VOLUME	467412.081	3729815.058 401.42
LOCATION	L0000999	VOLUME	467403.825	3729817.082 401.10
LOCATION	L0001000	VOLUME	467395.570	3729819.106 400.76
LOCATION	L0001001	VOLUME	467387.314	3729821.130 400.42
LOCATION	L0001002	VOLUME	467379.059	3729823.154 400.09
LOCATION	L0001003	VOLUME	467370.803	3729825.178 400.02
LOCATION	L0001004	VOLUME	467362.547	3729827.202 399.98
LOCATION	L0001005	VOLUME	467354.292	3729829.226 399.91
LOCATION	L0001006	VOLUME	467346.036	3729831.250 399.71
LOCATION	L0001007	VOLUME	467337.781	3729833.274 399.36
LOCATION	L0001008	VOLUME	467329.415	3729834.726 399.04
LOCATION	L0001009	VOLUME	467320.998	3729835.907 398.72
LOCATION	L0001010	VOLUME	467312.580	3729837.089 398.48
LOCATION	L0001011	VOLUME	467304.163	3729838.270 398.29
LOCATION	L0001012	VOLUME	467295.745	3729839.451 398.11
LOCATION	L0001013	VOLUME	467287.265	3729838.993 397.96
LOCATION	L0001014	VOLUME	467278.781	3729838.462 397.79
LOCATION	L0001015	VOLUME	467270.298	3729837.932 397.61
LOCATION	L0001016	VOLUME	467261.814	3729837.402 397.42
LOCATION	L0001017	VOLUME	467253.331	3729836.872 397.55
LOCATION	L0001018	VOLUME	467244.848	3729836.341 397.82
LOCATION	L0001019	VOLUME	467236.364	3729835.811 398.12
LOCATION	L0001020	VOLUME	467227.881	3729835.281 398.45
LOCATION	L0001021	VOLUME	467219.397	3729834.751 398.80
LOCATION	L0001022	VOLUME	467211.110	3729832.995 399.34
LOCATION	L0001023	VOLUME	467202.887	3729830.844 400.03
LOCATION	L0001024	VOLUME	467194.664	3729828.692 400.74
LOCATION	L0001025	VOLUME	467186.441	3729826.541 401.36
LOCATION	L0001026	VOLUME	467178.218	3729824.390 401.82
LOCATION	L0001027	VOLUME	467169.994	3729822.238 402.00
LOCATION	L0001028	VOLUME	467161.771	3729820.087 401.79
LOCATION	L0001029	VOLUME	467153.548	3729817.935 401.61
LOCATION	L0001030	VOLUME	467145.325	3729815.784 401.47
LOCATION	L0001031	VOLUME	467137.101	3729813.632 401.28
LOCATION	L0001032	VOLUME	467128.878	3729811.481 400.94
LOCATION	L0001033	VOLUME	467120.655	3729809.330 400.64
LOCATION	L0001034	VOLUME	467112.432	3729807.178 400.38
LOCATION	L0001035	VOLUME	467104.209	3729805.027 399.77
LOCATION	L0001036	VOLUME	467095.971	3729802.933 398.79
LOCATION	L0001037	VOLUME	467087.669	3729801.110 397.62
LOCATION	L0001038	VOLUME	467079.367	3729799.287 396.32
LOCATION	L0001039	VOLUME	467071.065	3729797.463 396.10
LOCATION	L0001040	VOLUME	467062.763	3729795.640 396.01
LOCATION	L0001041	VOLUME	467054.461	3729793.817 396.02
LOCATION	L0001042	VOLUME	467046.158	3729791.994 396.00
LOCATION	L0001043	VOLUME	467037.856	3729790.171 396.00
LOCATION	L0001044	VOLUME	467029.554	3729788.347 396.00
LOCATION	L0001045	VOLUME	467021.252	3729786.524 396.00
LOCATION	L0001046	VOLUME	467012.950	3729784.701 397.06
LOCATION	L0001047	VOLUME	467004.648	3729782.878 398.43
LOCATION	L0001048	VOLUME	466996.346	3729781.054 399.88
LOCATION	L0001049	VOLUME	466988.043	3729779.231 401.24
LOCATION	L0001050	VOLUME	466979.741	3729777.408 401.95
LOCATION	L0001051	VOLUME	466971.439	3729775.585 402.55
LOCATION	L0001052	VOLUME	466963.137	3729773.762 403.05
LOCATION	L0001053	VOLUME	466954.835	3729771.938 403.01
LOCATION	L0001054	VOLUME	466946.533	3729770.115 402.64
LOCATION	L0001055	VOLUME	466938.230	3729768.292 402.31
LOCATION	L0001056	VOLUME	466929.928	3729766.469 402.01
LOCATION	L0001057	VOLUME	466921.626	3729764.646 401.60
LOCATION	L0001058	VOLUME	466913.379	3729762.593 401.11
LOCATION	L0001059	VOLUME	466905.148	3729760.470 400.63
LOCATION	L0001060	VOLUME	466896.917	3729758.348 399.92
LOCATION	L0001061	VOLUME	466888.686	3729756.225 398.80

		ResDPM			
LOCATION	L0001062	VOLUME	466880.456	3729754.103	397.76
LOCATION	L0001063	VOLUME	466872.225	3729751.980	396.80
LOCATION	L0001064	VOLUME	466863.994	3729749.858	396.46
LOCATION	L0001065	VOLUME	466855.764	3729747.735	396.39
LOCATION	L0001066	VOLUME	466847.533	3729745.613	396.32
LOCATION	L0001067	VOLUME	466839.302	3729743.490	396.29
LOCATION	L0001068	VOLUME	466831.071	3729741.367	397.22
LOCATION	L0001069	VOLUME	466822.841	3729739.245	398.22
LOCATION	L0001070	VOLUME	466814.610	3729737.122	399.31
LOCATION	L0001071	VOLUME	466806.379	3729735.000	400.08
LOCATION	L0001072	VOLUME	466798.149	3729732.877	400.32
LOCATION	L0001073	VOLUME	466789.918	3729730.755	400.60
LOCATION	L0001074	VOLUME	466781.687	3729728.632	400.91
LOCATION	L0001075	VOLUME	466773.456	3729726.510	401.41
LOCATION	L0001076	VOLUME	466765.226	3729724.387	401.96
LOCATION	L0001077	VOLUME	466756.995	3729722.265	402.51
LOCATION	L0001078	VOLUME	466748.764	3729720.142	403.01
LOCATION	L0001079	VOLUME	466740.533	3729718.019	403.12
** End of LINE VOLUME Source ID = SLINE3					
LOCATION	AREA1	AREA	466898.710	3730070.010	400.230
** DESCRSRC Asphalt Batch Plant					
** Source Parameters **					
SRCPARAM	PAREA1		2.3635E-09	5.000	72 1.000
AREAVERT	PAREA1		467190.199	3730371.004	467293.010 3730368.225
AREAVERT	PAREA1		467329.133	3730364.057	467377.760 3730359.889
AREAVERT	PAREA1		467419.440	3730339.049	467462.509 3730302.926
AREAVERT	PAREA1		467484.739	3730276.529	467494.464 3730261.246
AREAVERT	PAREA1		467506.968	3730237.628	467518.083 3730209.841
AREAVERT	PAREA1		467519.472	3730180.665	467519.472 3730137.595
AREAVERT	PAREA1		467515.304	3730109.808	467513.915 3730094.526
AREAVERT	PAREA1		467515.304	3730073.686	467520.862 3730059.792
AREAVERT	PAREA1		467529.198	3730036.173	467531.976 3730029.227
AREAVERT	PAREA1		467533.366	3730026.448	467543.091 3730013.944
AREAVERT	PAREA1		467548.648	3730006.997	467562.542 3729990.325
AREAVERT	PAREA1		467570.878	3729981.989	467579.214 3729970.874
AREAVERT	PAREA1		467615.337	3729945.866	467625.062 3729934.752
AREAVERT	PAREA1		467634.787	3729930.584	467651.460 3729925.026
AREAVERT	PAREA1		467666.742	3729918.080	467693.140 3729909.743
AREAVERT	PAREA1		467711.201	3729902.797	467745.935 3729895.850
AREAVERT	PAREA1		467770.943	3729886.125	467787.615 3729876.399
AREAVERT	PAREA1		467807.066	3729862.506	467816.791 3729848.613
AREAVERT	PAREA1		467822.348	3729827.772	467826.516 3729816.658
AREAVERT	PAREA1		467823.738	3729788.871	467823.738 3729777.756
AREAVERT	PAREA1		467801.508	3729776.367	467773.721 3729776.367
AREAVERT	PAREA1		467733.431	3729779.146	467676.468 3729780.535
AREAVERT	PAREA1		467615.337	3729793.039	467579.214 3729802.764
AREAVERT	PAREA1		467529.198	3729816.658	467509.747 3729834.719
AREAVERT	PAREA1		467456.952	3729919.469	467347.194 3730005.608
AREAVERT	PAREA1		467372.202	3730107.030	467373.592 3730132.038
AREAVERT	PAREA1		467363.866	3730143.152	467349.973 3730159.825
AREAVERT	PAREA1		467343.026	3730173.718	467334.690 3730190.390
AREAVERT	PAREA1		467326.354	3730205.673	467313.850 3730225.123
AREAVERT	PAREA1		467299.957	3730247.353	467295.789 3730269.582
AREAVERT	PAREA1		467284.674	3730280.697	467281.895 3730295.980
AREAVERT	PAREA1		467280.506	3730304.316	467276.338 3730315.431
AREAVERT	PAREA1		467270.781	3730319.599	467265.223 3730326.545
AREAVERT	PAREA1		467262.445	3730336.271	467256.887 3730340.439
AREAVERT	PAREA1		467252.719	3730344.607	467245.772 3730348.775
AREAVERT	PAREA1		467234.658	3730355.721	467213.818 3730361.279
** LINE VOLUME Source ID = SLINE1					
SRCPARAM	L0000772		0.0000000302	0.00	3.95 1.86
SRCPARAM	L0000773		0.0000000302	0.00	3.95 1.86
SRCPARAM	L0000774		0.0000000302	0.00	3.95 1.86
SRCPARAM	L0000775		0.0000000302	0.00	3.95 1.86
SRCPARAM	L0000776		0.0000000302	0.00	3.95 1.86
SRCPARAM	L0000777		0.0000000302	0.00	3.95 1.86
SRCPARAM	L0000778		0.0000000302	0.00	3.95 1.86

[illegible]

					ResDPM	
SRCPARAM	L0000846	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000847	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000848	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000849	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000850	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000851	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000852	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000853	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000854	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000855	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000856	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000857	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000858	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000859	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000860	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000861	0.0000000302	0.00	3.95	1.86	
SRCPARAM	L0000862	0.0000000302	0.00	3.95	1.86	

**

[illegible]

[illegible]

**

**	LINE	VOLUME	Source	ID =	SLINE3				
	SRCPARAM	L0000954		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000955		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000956		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000957		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000958		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000959		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000960		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000961		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000962		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000963		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000964		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000965		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000966		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000967		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000968		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000969		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000970		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000971		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000972		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000973		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000974		0.000000116	0.00	3.95	1.86		
	SRCPARAM	L0000975		0.000000116	0.00	3.95	1.86		

[illegible]

				ResDPM	
SRCPARAM	L0001043	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001044	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001045	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001046	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001047	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001048	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001049	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001050	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001051	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001052	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001053	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001054	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001055	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001056	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001057	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001058	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001059	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001060	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001061	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001062	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001063	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001064	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001065	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001066	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001067	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001068	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001069	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001070	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001071	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001072	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001073	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001074	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001075	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001076	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001077	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001078	0.000000116	0.00	3.95	1.86
SRCPARAM	L0001079	0.000000116	0.00	3.95	1.86

**

SRCPARAM	AREA1	2.3886E-06	5.000	84.396	84.396	0.000
URBANSRC	ALL					
SRCGROUP	BP	AREA1				
SRCGROUP	DPM	PAREA1	L0000772	L0000773	L0000774	L0000775
SRCGROUP	DPM		L0000777	L0000778	L0000779	L0000780
SRCGROUP	DPM		L0000783	L0000784	L0000785	L0000786
SRCGROUP	DPM		L0000789	L0000790	L0000791	L0000792
SRCGROUP	DPM		L0000795	L0000796	L0000797	L0000798
SRCGROUP	DPM		L0000801	L0000802	L0000803	L0000804
SRCGROUP	DPM		L0000807	L0000808	L0000809	L0000810
SRCGROUP	DPM		L0000813	L0000814	L0000815	L0000816
SRCGROUP	DPM		L0000819	L0000820	L0000821	L0000822
SRCGROUP	DPM		L0000825	L0000826	L0000827	L0000828
SRCGROUP	DPM		L0000831	L0000832	L0000833	L0000834
SRCGROUP	DPM		L0000837	L0000838	L0000839	L0000840
SRCGROUP	DPM		L0000843	L0000844	L0000845	L0000846
SRCGROUP	DPM		L0000849	L0000850	L0000851	L0000852
SRCGROUP	DPM		L0000855	L0000856	L0000857	L0000858
SRCGROUP	DPM		L0000861	L0000862	L0000863	L0000864
SRCGROUP	DPM		L0000867	L0000868	L0000869	L0000870
SRCGROUP	DPM		L0000873	L0000874	L0000875	L0000876
SRCGROUP	DPM		L0000879	L0000880	L0000881	L0000882
SRCGROUP	DPM		L0000885	L0000886	L0000887	L0000888
SRCGROUP	DPM		L0000891	L0000892	L0000893	L0000894
SRCGROUP	DPM		L0000897	L0000898	L0000899	L0000900
SRCGROUP	DPM		L0000903	L0000904	L0000905	L0000906
SRCGROUP	DPM		L0000909	L0000910	L0000911	L0000912
SRCGROUP	DPM		L0000915	L0000916	L0000917	L0000918
SRCGROUP	DPM		L0000921	L0000922	L0000923	L0000924

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                                ResDPM
SRCGROUP DPM      L0000927 L0000928 L0000929 L0000930 L0000931 L0000932
SRCGROUP DPM      L0000933 L0000934 L0000935 L0000936 L0000937 L0000938
SRCGROUP DPM      L0000939 L0000940 L0000941 L0000942 L0000943 L0000944
SRCGROUP DPM      L0000945 L0000946 L0000947 L0000948 L0000949 L0000950
SRCGROUP DPM      L0000951 L0000952 L0000953 L0000954 L0000955 L0000956
SRCGROUP DPM      L0000957 L0000958 L0000959 L0000960 L0000961 L0000962
SRCGROUP DPM      L0000963 L0000964 L0000965 L0000966 L0000967 L0000968
SRCGROUP DPM      L0000969 L0000970 L0000971 L0000972 L0000973 L0000974
SRCGROUP DPM      L0000975 L0000976 L0000977 L0000978 L0000979 L0000980
SRCGROUP DPM      L0000981 L0000982 L0000983 L0000984 L0000985 L0000986
SRCGROUP DPM      L0000987 L0000988 L0000989 L0000990 L0000991 L0000992
SRCGROUP DPM      L0000993 L0000994 L0000995 L0000996 L0000997 L0000998
SRCGROUP DPM      L0000999 L0001000 L0001001 L0001002 L0001003 L0001004
SRCGROUP DPM      L0001005 L0001006 L0001007 L0001008 L0001009 L0001010
SRCGROUP DPM      L0001011 L0001012 L0001013 L0001014 L0001015 L0001016
SRCGROUP DPM      L0001017 L0001018 L0001019 L0001020 L0001021 L0001022
SRCGROUP DPM      L0001023 L0001024 L0001025 L0001026 L0001027 L0001028
SRCGROUP DPM      L0001029 L0001030 L0001031 L0001032 L0001033 L0001034
SRCGROUP DPM      L0001035 L0001036 L0001037 L0001038 L0001039 L0001040
SRCGROUP DPM      L0001041 L0001042 L0001043 L0001044 L0001045 L0001046
SRCGROUP DPM      L0001047 L0001048 L0001049 L0001050 L0001051 L0001052
SRCGROUP DPM      L0001053 L0001054 L0001055 L0001056 L0001057 L0001058
SRCGROUP DPM      L0001059 L0001060 L0001061 L0001062 L0001063 L0001064
SRCGROUP DPM      L0001065 L0001066 L0001067 L0001068 L0001069 L0001070
SRCGROUP DPM      L0001071 L0001072 L0001073 L0001074 L0001075 L0001076
SRCGROUP DPM      L0001077 L0001078 L0001079
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED ResDPM.rou
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE elsi8.sfc
  PROFFILE elsi8.PFL
  SURFDATA 0 2008
  UAIRDATA 3190 2008
  SITEDATA 99999 2008
  PROFBASE 406.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
** Auto-Generated Plotfiles
  PLOTFILE ANNUAL ALL RESDPM.AD\AN00GALL.PLT 31
  PLOTFILE ANNUAL BP RESDPM.AD\AN00G001.PLT 32
  PLOTFILE ANNUAL DPM RESDPM.AD\AN00G002.PLT 33
  SUMMFILE ResDPM.sum
OU FINISHED

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

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ResDPM

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:01:07

PAGE 1
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 310 Source(s),
 for Total of 1 Urban Area(s):
 Urban Population = 2100516.0 ; 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:
 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: 310 Source(s); 3 Source Group(s); and 13 Receptor(s)
 with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 308 VOLUME source(s)
 and: 2 AREA type source(s)
 and: 0 LINE source(s)
 and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 406.00 ; Decay Coef. = 0.000 ; Rot. Angle

ResDPM

= 0.0

Emission Units = GRAMS/SEC ; Emission Rate Unit Factor =
0.10000E+07

Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 4.0 MB of RAM.

**Detailed Error/Message File: ResDPM.err

**File for Summary of Results: ResDPM.sum

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:01:07 ***

PAGE 2

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000772	0	0.30200E-07	467256.0	3730355.2	501.5	0.00	3.95	1.86	YES	
L0000773	0	0.30200E-07	467263.5	3730351.2	502.9	0.00	3.95	1.86	YES	
L0000774	0	0.30200E-07	467271.0	3730347.2	504.8	0.00	3.95	1.86	YES	
L0000775	0	0.30200E-07	467278.5	3730343.2	506.6	0.00	3.95	1.86	YES	
L0000776	0	0.30200E-07	467286.0	3730339.2	508.4	0.00	3.95	1.86	YES	
L0000777	0	0.30200E-07	467293.5	3730335.2	509.9	0.00	3.95	1.86	YES	
L0000778	0	0.30200E-07	467301.0	3730331.2	511.0	0.00	3.95	1.86	YES	
L0000779	0	0.30200E-07	467307.2	3730325.4	511.3	0.00	3.95	1.86	YES	
L0000780	0	0.30200E-07	467313.5	3730319.7	511.7	0.00	3.95	1.86	YES	
L0000781	0	0.30200E-07	467319.7	3730313.9	512.1	0.00	3.95	1.86	YES	
L0000782	0	0.30200E-07	467326.0	3730308.2	512.9	0.00	3.95	1.86	YES	
L0000783	0	0.30200E-07	467332.2	3730302.4	514.1	0.00	3.95	1.86	YES	
L0000784	0	0.30200E-07	467338.5	3730296.7	515.5	0.00	3.95	1.86	YES	
L0000785	0	0.30200E-07	467344.8	3730290.9	517.1	0.00	3.95	1.86	YES	
L0000786	0	0.30200E-07	467351.0	3730285.2	518.6	0.00	3.95	1.86	YES	
L0000787	0	0.30200E-07	467357.3	3730279.4	519.5	0.00	3.95	1.86	YES	
L0000788	0	0.30200E-07	467361.8	3730272.2	519.2	0.00	3.95	1.86	YES	
L0000789	0	0.30200E-07	467366.2	3730264.9	518.2	0.00	3.95	1.86	YES	
L0000790	0	0.30200E-07	467370.5	3730257.7	517.2	0.00	3.95	1.86	YES	
L0000791	0	0.30200E-07	467374.9	3730250.4	516.2	0.00	3.95	1.86	YES	
L0000792	0	0.30200E-07	467379.3	3730243.1	514.8	0.00	3.95	1.86	YES	
L0000793	0	0.30200E-07	467383.7	3730235.8	512.9	0.00	3.95	1.86	YES	
L0000794	0	0.30200E-07	467388.0	3730228.5	511.2	0.00	3.95	1.86	YES	
L0000795	0	0.30200E-07	467392.4	3730221.2	509.7	0.00	3.95	1.86	YES	
L0000796	0	0.30200E-07	467396.8	3730213.9	508.4	0.00	3.95	1.86	YES	
L0000797	0	0.30200E-07	467400.0	3730206.1	506.9	0.00	3.95	1.86	YES	
L0000798	0	0.30200E-07	467402.3	3730197.9	505.0	0.00	3.95	1.86	YES	
L0000799	0	0.30200E-07	467404.6	3730189.8	503.1	0.00	3.95	1.86	YES	
L0000800	0	0.30200E-07	467406.9	3730181.6	501.1	0.00	3.95	1.86	YES	
L0000801	0	0.30200E-07	467409.2	3730173.4	499.1	0.00	3.95	1.86	YES	
L0000802	0	0.30200E-07	467411.5	3730165.2	497.3	0.00	3.95	1.86	YES	
L0000803	0	0.30200E-07	467413.9	3730157.1	495.4	0.00	3.95	1.86	YES	
L0000804	0	0.30200E-07	467416.2	3730148.9	493.4	0.00	3.95	1.86	YES	
L0000805	0	0.30200E-07	467418.5	3730140.7	491.2	0.00	3.95	1.86	YES	
L0000806	0	0.30200E-07	467420.8	3730132.5	488.8	0.00	3.95	1.86	YES	
L0000807	0	0.30200E-07	467423.1	3730124.3	486.1	0.00	3.95	1.86	YES	
L0000808	0	0.30200E-07	467425.4	3730116.2	483.2	0.00	3.95	1.86	YES	
L0000809	0	0.30200E-07	467427.8	3730108.0	480.2	0.00	3.95	1.86	YES	
L0000810	0	0.30200E-07	467430.1	3730099.8	477.2	0.00	3.95	1.86	YES	

ResDPM
 L0000811 0 0.30200E-07 467432.4 3730091.6 474.3 0.00 3.95 1.86 YES
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:01:07

PAGE 3
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000812	0	0.30200E-07	467434.6	3730083.4	471.5	0.00	3.95	1.86	YES	
L0000813	0	0.30200E-07	467436.8	3730075.2	468.8	0.00	3.95	1.86	YES	
L0000814	0	0.30200E-07	467439.0	3730067.0	466.2	0.00	3.95	1.86	YES	
L0000815	0	0.30200E-07	467441.2	3730058.8	462.7	0.00	3.95	1.86	YES	
L0000816	0	0.30200E-07	467443.3	3730050.6	458.9	0.00	3.95	1.86	YES	
L0000817	0	0.30200E-07	467445.5	3730042.3	455.1	0.00	3.95	1.86	YES	
L0000818	0	0.30200E-07	467447.7	3730034.1	451.3	0.00	3.95	1.86	YES	
L0000819	0	0.30200E-07	467449.9	3730025.9	447.5	0.00	3.95	1.86	YES	
L0000820	0	0.30200E-07	467452.1	3730017.7	443.7	0.00	3.95	1.86	YES	
L0000821	0	0.30200E-07	467454.3	3730009.5	440.0	0.00	3.95	1.86	YES	
L0000822	0	0.30200E-07	467458.3	3730002.3	437.0	0.00	3.95	1.86	YES	
L0000823	0	0.30200E-07	467464.1	3729996.1	434.8	0.00	3.95	1.86	YES	
L0000824	0	0.30200E-07	467469.9	3729989.9	432.6	0.00	3.95	1.86	YES	
L0000825	0	0.30200E-07	467475.8	3729983.7	430.4	0.00	3.95	1.86	YES	
L0000826	0	0.30200E-07	467481.6	3729977.5	428.4	0.00	3.95	1.86	YES	
L0000827	0	0.30200E-07	467487.4	3729971.3	427.0	0.00	3.95	1.86	YES	
L0000828	0	0.30200E-07	467494.2	3729966.4	426.4	0.00	3.95	1.86	YES	
L0000829	0	0.30200E-07	467501.6	3729962.1	426.8	0.00	3.95	1.86	YES	
L0000830	0	0.30200E-07	467508.9	3729957.9	428.7	0.00	3.95	1.86	YES	
L0000831	0	0.30200E-07	467516.3	3729953.7	430.4	0.00	3.95	1.86	YES	
L0000832	0	0.30200E-07	467523.7	3729949.4	431.9	0.00	3.95	1.86	YES	
L0000833	0	0.30200E-07	467531.1	3729945.2	433.2	0.00	3.95	1.86	YES	
L0000834	0	0.30200E-07	467538.4	3729941.0	434.0	0.00	3.95	1.86	YES	
L0000835	0	0.30200E-07	467545.8	3729936.7	434.6	0.00	3.95	1.86	YES	
L0000836	0	0.30200E-07	467553.2	3729932.5	434.9	0.00	3.95	1.86	YES	
L0000837	0	0.30200E-07	467560.4	3729928.0	434.9	0.00	3.95	1.86	YES	
L0000838	0	0.30200E-07	467567.0	3729922.6	433.9	0.00	3.95	1.86	YES	
L0000839	0	0.30200E-07	467573.6	3729917.3	432.8	0.00	3.95	1.86	YES	
L0000840	0	0.30200E-07	467580.2	3729911.9	431.8	0.00	3.95	1.86	YES	
L0000841	0	0.30200E-07	467586.8	3729906.6	430.7	0.00	3.95	1.86	YES	
L0000842	0	0.30200E-07	467593.4	3729901.2	429.8	0.00	3.95	1.86	YES	
L0000843	0	0.30200E-07	467600.0	3729895.9	429.2	0.00	3.95	1.86	YES	
L0000844	0	0.30200E-07	467606.6	3729890.5	429.0	0.00	3.95	1.86	YES	
L0000845	0	0.30200E-07	467613.2	3729885.1	429.0	0.00	3.95	1.86	YES	
L0000846	0	0.30200E-07	467619.8	3729879.8	429.2	0.00	3.95	1.86	YES	
L0000847	0	0.30200E-07	467626.4	3729874.4	429.5	0.00	3.95	1.86	YES	
L0000848	0	0.30200E-07	467633.0	3729869.1	429.6	0.00	3.95	1.86	YES	
L0000849	0	0.30200E-07	467639.2	3729863.4	429.2	0.00	3.95	1.86	YES	
L0000850	0	0.30200E-07	467644.9	3729857.0	428.3	0.00	3.95	1.86	YES	
L0000851	0	0.30200E-07	467650.6	3729850.7	427.4	0.00	3.95	1.86	YES	

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:01:07

PAGE 4
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

ResDPM
*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000852	0	0.30200E-07	467656.3	3729844.4	426.2	0.00	3.95	1.86	YES	
L0000853	0	0.30200E-07	467662.0	3729838.1	425.1	0.00	3.95	1.86	YES	
L0000854	0	0.30200E-07	467667.7	3729831.8	423.9	0.00	3.95	1.86	YES	
L0000855	0	0.30200E-07	467673.7	3729825.8	423.0	0.00	3.95	1.86	YES	
L0000856	0	0.30200E-07	467679.8	3729819.9	422.8	0.00	3.95	1.86	YES	
L0000857	0	0.30200E-07	467685.8	3729813.9	422.4	0.00	3.95	1.86	YES	
L0000858	0	0.30200E-07	467691.9	3729808.0	422.0	0.00	3.95	1.86	YES	
L0000859	0	0.30200E-07	467698.0	3729802.0	421.7	0.00	3.95	1.86	YES	
L0000860	0	0.30200E-07	467704.1	3729796.1	421.3	0.00	3.95	1.86	YES	
L0000861	0	0.30200E-07	467710.1	3729790.1	420.9	0.00	3.95	1.86	YES	
L0000862	0	0.30200E-07	467716.2	3729784.2	420.1	0.00	3.95	1.86	YES	
L0000863	0	0.22210E-06	467256.0	3730355.2	501.5	0.00	3.95	1.86	YES	
L0000864	0	0.22210E-06	467263.5	3730351.2	502.9	0.00	3.95	1.86	YES	
L0000865	0	0.22210E-06	467271.0	3730347.2	504.8	0.00	3.95	1.86	YES	
L0000866	0	0.22210E-06	467278.5	3730343.2	506.6	0.00	3.95	1.86	YES	
L0000867	0	0.22210E-06	467286.0	3730339.2	508.4	0.00	3.95	1.86	YES	
L0000868	0	0.22210E-06	467293.5	3730335.2	509.9	0.00	3.95	1.86	YES	
L0000869	0	0.22210E-06	467301.0	3730331.2	511.0	0.00	3.95	1.86	YES	
L0000870	0	0.22210E-06	467307.2	3730325.4	511.3	0.00	3.95	1.86	YES	
L0000871	0	0.22210E-06	467313.5	3730319.7	511.7	0.00	3.95	1.86	YES	
L0000872	0	0.22210E-06	467319.7	3730313.9	512.1	0.00	3.95	1.86	YES	
L0000873	0	0.22210E-06	467326.0	3730308.2	512.9	0.00	3.95	1.86	YES	
L0000874	0	0.22210E-06	467332.2	3730302.4	514.1	0.00	3.95	1.86	YES	
L0000875	0	0.22210E-06	467338.5	3730296.7	515.5	0.00	3.95	1.86	YES	
L0000876	0	0.22210E-06	467344.8	3730290.9	517.1	0.00	3.95	1.86	YES	
L0000877	0	0.22210E-06	467351.0	3730285.2	518.6	0.00	3.95	1.86	YES	
L0000878	0	0.22210E-06	467357.3	3730279.4	519.5	0.00	3.95	1.86	YES	
L0000879	0	0.22210E-06	467361.8	3730272.2	519.2	0.00	3.95	1.86	YES	
L0000880	0	0.22210E-06	467366.2	3730264.9	518.2	0.00	3.95	1.86	YES	
L0000881	0	0.22210E-06	467370.5	3730257.7	517.2	0.00	3.95	1.86	YES	
L0000882	0	0.22210E-06	467374.9	3730250.4	516.2	0.00	3.95	1.86	YES	
L0000883	0	0.22210E-06	467379.3	3730243.1	514.8	0.00	3.95	1.86	YES	
L0000884	0	0.22210E-06	467383.7	3730235.8	512.9	0.00	3.95	1.86	YES	
L0000885	0	0.22210E-06	467388.0	3730228.5	511.2	0.00	3.95	1.86	YES	
L0000886	0	0.22210E-06	467392.4	3730221.2	509.7	0.00	3.95	1.86	YES	
L0000887	0	0.22210E-06	467396.8	3730213.9	508.4	0.00	3.95	1.86	YES	
L0000888	0	0.22210E-06	467400.0	3730206.1	506.9	0.00	3.95	1.86	YES	
L0000889	0	0.22210E-06	467402.3	3730197.9	505.0	0.00	3.95	1.86	YES	
L0000890	0	0.22210E-06	467404.6	3730189.8	503.1	0.00	3.95	1.86	YES	
L0000891	0	0.22210E-06	467406.9	3730181.6	501.1	0.00	3.95	1.86	YES	

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
06/01/16

*** AERMET - VERSION 14134 *** ***
13:01:07

PAGE 5
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000892	0	0.22210E-06	467409.2	3730173.4	499.1	0.00	3.95	1.86	YES	
L0000893	0	0.22210E-06	467411.5	3730165.2	497.3	0.00	3.95	1.86	YES	

ResDPM									
L0000894	0	0.22210E-06	467413.9	3730157.1	495.4	0.00	3.95	1.86	YES
L0000895	0	0.22210E-06	467416.2	3730148.9	493.4	0.00	3.95	1.86	YES
L0000896	0	0.22210E-06	467418.5	3730140.7	491.2	0.00	3.95	1.86	YES
L0000897	0	0.22210E-06	467420.8	3730132.5	488.8	0.00	3.95	1.86	YES
L0000898	0	0.22210E-06	467423.1	3730124.3	486.1	0.00	3.95	1.86	YES
L0000899	0	0.22210E-06	467425.4	3730116.2	483.2	0.00	3.95	1.86	YES
L0000900	0	0.22210E-06	467427.8	3730108.0	480.2	0.00	3.95	1.86	YES
L0000901	0	0.22210E-06	467430.1	3730099.8	477.2	0.00	3.95	1.86	YES
L0000902	0	0.22210E-06	467432.4	3730091.6	474.3	0.00	3.95	1.86	YES
L0000903	0	0.22210E-06	467434.6	3730083.4	471.5	0.00	3.95	1.86	YES
L0000904	0	0.22210E-06	467436.8	3730075.2	468.8	0.00	3.95	1.86	YES
L0000905	0	0.22210E-06	467439.0	3730067.0	466.2	0.00	3.95	1.86	YES
L0000906	0	0.22210E-06	467441.2	3730058.8	462.7	0.00	3.95	1.86	YES
L0000907	0	0.22210E-06	467443.3	3730050.6	458.9	0.00	3.95	1.86	YES
L0000908	0	0.22210E-06	467445.5	3730042.3	455.1	0.00	3.95	1.86	YES
L0000909	0	0.22210E-06	467447.7	3730034.1	451.3	0.00	3.95	1.86	YES
L0000910	0	0.22210E-06	467449.9	3730025.9	447.5	0.00	3.95	1.86	YES
L0000911	0	0.22210E-06	467452.1	3730017.7	443.7	0.00	3.95	1.86	YES
L0000912	0	0.22210E-06	467454.3	3730009.5	440.0	0.00	3.95	1.86	YES
L0000913	0	0.22210E-06	467458.3	3730002.3	437.0	0.00	3.95	1.86	YES
L0000914	0	0.22210E-06	467464.1	3729996.1	434.8	0.00	3.95	1.86	YES
L0000915	0	0.22210E-06	467469.9	3729989.9	432.6	0.00	3.95	1.86	YES
L0000916	0	0.22210E-06	467475.8	3729983.7	430.4	0.00	3.95	1.86	YES
L0000917	0	0.22210E-06	467481.6	3729977.5	428.4	0.00	3.95	1.86	YES
L0000918	0	0.22210E-06	467487.4	3729971.3	427.0	0.00	3.95	1.86	YES
L0000919	0	0.22210E-06	467494.2	3729966.4	426.4	0.00	3.95	1.86	YES
L0000920	0	0.22210E-06	467501.6	3729962.1	426.8	0.00	3.95	1.86	YES
L0000921	0	0.22210E-06	467508.9	3729957.9	428.7	0.00	3.95	1.86	YES
L0000922	0	0.22210E-06	467516.3	3729953.7	430.4	0.00	3.95	1.86	YES
L0000923	0	0.22210E-06	467523.7	3729949.4	431.9	0.00	3.95	1.86	YES
L0000924	0	0.22210E-06	467531.1	3729945.2	433.2	0.00	3.95	1.86	YES
L0000925	0	0.22210E-06	467538.4	3729941.0	434.0	0.00	3.95	1.86	YES
L0000926	0	0.22210E-06	467545.8	3729936.7	434.6	0.00	3.95	1.86	YES
L0000927	0	0.22210E-06	467553.2	3729932.5	434.9	0.00	3.95	1.86	YES
L0000928	0	0.22210E-06	467560.4	3729928.0	434.9	0.00	3.95	1.86	YES
L0000929	0	0.22210E-06	467567.0	3729922.6	433.9	0.00	3.95	1.86	YES
L0000930	0	0.22210E-06	467573.6	3729917.3	432.8	0.00	3.95	1.86	YES
L0000931	0	0.22210E-06	467580.2	3729911.9	431.8	0.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:01:07

PAGE 6
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000932	0	0.22210E-06	467586.8	3729906.6	430.7	0.00	3.95	1.86	YES	
L0000933	0	0.22210E-06	467593.4	3729901.2	429.8	0.00	3.95	1.86	YES	
L0000934	0	0.22210E-06	467600.0	3729895.9	429.2	0.00	3.95	1.86	YES	
L0000935	0	0.22210E-06	467606.6	3729890.5	429.0	0.00	3.95	1.86	YES	
L0000936	0	0.22210E-06	467613.2	3729885.1	429.0	0.00	3.95	1.86	YES	
L0000937	0	0.22210E-06	467619.8	3729879.8	429.2	0.00	3.95	1.86	YES	
L0000938	0	0.22210E-06	467626.4	3729874.4	429.5	0.00	3.95	1.86	YES	
L0000939	0	0.22210E-06	467633.0	3729869.1	429.6	0.00	3.95	1.86	YES	
L0000940	0	0.22210E-06	467639.2	3729863.4	429.2	0.00	3.95	1.86	YES	
L0000941	0	0.22210E-06	467644.9	3729857.0	428.3	0.00	3.95	1.86	YES	
L0000942	0	0.22210E-06	467650.6	3729850.7	427.4	0.00	3.95	1.86	YES	
L0000943	0	0.22210E-06	467656.3	3729844.4	426.2	0.00	3.95	1.86	YES	

					ResDPM				
L0000944	0	0.22210E-06	467662.0	3729838.1	425.1	0.00	3.95	1.86	YES
L0000945	0	0.22210E-06	467667.7	3729831.8	423.9	0.00	3.95	1.86	YES
L0000946	0	0.22210E-06	467673.7	3729825.8	423.0	0.00	3.95	1.86	YES
L0000947	0	0.22210E-06	467679.8	3729819.9	422.8	0.00	3.95	1.86	YES
L0000948	0	0.22210E-06	467685.8	3729813.9	422.4	0.00	3.95	1.86	YES
L0000949	0	0.22210E-06	467691.9	3729808.0	422.0	0.00	3.95	1.86	YES
L0000950	0	0.22210E-06	467698.0	3729802.0	421.7	0.00	3.95	1.86	YES
L0000951	0	0.22210E-06	467704.1	3729796.1	421.3	0.00	3.95	1.86	YES
L0000952	0	0.22210E-06	467710.1	3729790.1	420.9	0.00	3.95	1.86	YES
L0000953	0	0.22210E-06	467716.2	3729784.2	420.1	0.00	3.95	1.86	YES
L0000954	0	0.11600E-06	467769.4	3729733.1	414.0	0.00	3.95	1.86	YES
L0000955	0	0.11600E-06	467761.2	3729735.1	414.0	0.00	3.95	1.86	YES
L0000956	0	0.11600E-06	467752.9	3729737.0	414.1	0.00	3.95	1.86	YES
L0000957	0	0.11600E-06	467744.6	3729738.9	414.3	0.00	3.95	1.86	YES
L0000958	0	0.11600E-06	467736.3	3729740.9	414.5	0.00	3.95	1.86	YES
L0000959	0	0.11600E-06	467728.0	3729742.8	414.6	0.00	3.95	1.86	YES
L0000960	0	0.11600E-06	467719.8	3729744.8	414.7	0.00	3.95	1.86	YES
L0000961	0	0.11600E-06	467712.4	3729749.0	414.9	0.00	3.95	1.86	YES
L0000962	0	0.11600E-06	467705.1	3729753.3	415.0	0.00	3.95	1.86	YES
L0000963	0	0.11600E-06	467697.7	3729757.6	414.9	0.00	3.95	1.86	YES
L0000964	0	0.11600E-06	467690.4	3729761.9	414.6	0.00	3.95	1.86	YES
L0000965	0	0.11600E-06	467682.9	3729766.0	414.2	0.00	3.95	1.86	YES
L0000966	0	0.11600E-06	467675.5	3729770.1	414.2	0.00	3.95	1.86	YES
L0000967	0	0.11600E-06	467668.1	3729774.2	414.1	0.00	3.95	1.86	YES
L0000968	0	0.11600E-06	467660.7	3729778.4	413.9	0.00	3.95	1.86	YES
L0000969	0	0.11600E-06	467653.7	3729783.2	413.6	0.00	3.95	1.86	YES
L0000970	0	0.11600E-06	467645.9	3729786.2	413.1	0.00	3.95	1.86	YES
L0000971	0	0.11600E-06	467637.6	3729788.0	412.8	0.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:01:07

PAGE 7
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000972	0	0.11600E-06	467629.4	3729790.2	412.4	0.00	3.95	1.86	YES	
L0000973	0	0.11600E-06	467621.7	3729793.7	412.1	0.00	3.95	1.86	YES	
L0000974	0	0.11600E-06	467613.9	3729797.2	411.7	0.00	3.95	1.86	YES	
L0000975	0	0.11600E-06	467606.2	3729800.7	411.5	0.00	3.95	1.86	YES	
L0000976	0	0.11600E-06	467598.1	3729802.7	411.2	0.00	3.95	1.86	YES	
L0000977	0	0.11600E-06	467589.6	3729802.9	410.7	0.00	3.95	1.86	YES	
L0000978	0	0.11600E-06	467581.1	3729803.1	410.6	0.00	3.95	1.86	YES	
L0000979	0	0.11600E-06	467572.6	3729803.3	410.6	0.00	3.95	1.86	YES	
L0000980	0	0.11600E-06	467564.1	3729803.6	410.5	0.00	3.95	1.86	YES	
L0000981	0	0.11600E-06	467555.6	3729803.8	410.4	0.00	3.95	1.86	YES	
L0000982	0	0.11600E-06	467547.1	3729804.0	410.0	0.00	3.95	1.86	YES	
L0000983	0	0.11600E-06	467538.6	3729804.2	409.7	0.00	3.95	1.86	YES	
L0000984	0	0.11600E-06	467530.1	3729804.5	409.3	0.00	3.95	1.86	YES	
L0000985	0	0.11600E-06	467521.6	3729804.7	408.1	0.00	3.95	1.86	YES	
L0000986	0	0.11600E-06	467513.1	3729805.0	406.9	0.00	3.95	1.86	YES	
L0000987	0	0.11600E-06	467504.6	3729805.3	405.7	0.00	3.95	1.86	YES	
L0000988	0	0.11600E-06	467496.1	3729805.6	404.7	0.00	3.95	1.86	YES	
L0000989	0	0.11600E-06	467487.6	3729805.9	404.1	0.00	3.95	1.86	YES	
L0000990	0	0.11600E-06	467479.1	3729806.2	403.4	0.00	3.95	1.86	YES	
L0000991	0	0.11600E-06	467470.6	3729806.5	402.7	0.00	3.95	1.86	YES	
L0000992	0	0.11600E-06	467462.1	3729806.8	402.5	0.00	3.95	1.86	YES	
L0000993	0	0.11600E-06	467453.7	3729807.1	402.3	0.00	3.95	1.86	YES	

ResDPM									
L0000994	0	0.11600E-06	467445.2	3729807.4	402.1	0.00	3.95	1.86	YES
L0000995	0	0.11600E-06	467436.8	3729809.0	402.0	0.00	3.95	1.86	YES
L0000996	0	0.11600E-06	467428.6	3729811.0	401.8	0.00	3.95	1.86	YES
L0000997	0	0.11600E-06	467420.3	3729813.0	401.6	0.00	3.95	1.86	YES
L0000998	0	0.11600E-06	467412.1	3729815.1	401.4	0.00	3.95	1.86	YES
L0000999	0	0.11600E-06	467403.8	3729817.1	401.1	0.00	3.95	1.86	YES
L0001000	0	0.11600E-06	467395.6	3729819.1	400.8	0.00	3.95	1.86	YES
L0001001	0	0.11600E-06	467387.3	3729821.1	400.4	0.00	3.95	1.86	YES
L0001002	0	0.11600E-06	467379.1	3729823.2	400.1	0.00	3.95	1.86	YES
L0001003	0	0.11600E-06	467370.8	3729825.2	400.0	0.00	3.95	1.86	YES
L0001004	0	0.11600E-06	467362.5	3729827.2	400.0	0.00	3.95	1.86	YES
L0001005	0	0.11600E-06	467354.3	3729829.2	399.9	0.00	3.95	1.86	YES
L0001006	0	0.11600E-06	467346.0	3729831.2	399.7	0.00	3.95	1.86	YES
L0001007	0	0.11600E-06	467337.8	3729833.3	399.4	0.00	3.95	1.86	YES
L0001008	0	0.11600E-06	467329.4	3729834.7	399.0	0.00	3.95	1.86	YES
L0001009	0	0.11600E-06	467321.0	3729835.9	398.7	0.00	3.95	1.86	YES
L0001010	0	0.11600E-06	467312.6	3729837.1	398.5	0.00	3.95	1.86	YES
L0001011	0	0.11600E-06	467304.2	3729838.3	398.3	0.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***

06/01/16

*** AERMET - VERSION 14134 *** ***

13:01:07

PAGE 8

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001012	0	0.11600E-06	467295.7	3729839.5	398.1	0.00	3.95	1.86	YES	
L0001013	0	0.11600E-06	467287.3	3729839.0	398.0	0.00	3.95	1.86	YES	
L0001014	0	0.11600E-06	467278.8	3729838.5	397.8	0.00	3.95	1.86	YES	
L0001015	0	0.11600E-06	467270.3	3729837.9	397.6	0.00	3.95	1.86	YES	
L0001016	0	0.11600E-06	467261.8	3729837.4	397.4	0.00	3.95	1.86	YES	
L0001017	0	0.11600E-06	467253.3	3729836.9	397.6	0.00	3.95	1.86	YES	
L0001018	0	0.11600E-06	467244.8	3729836.3	397.8	0.00	3.95	1.86	YES	
L0001019	0	0.11600E-06	467236.4	3729835.8	398.1	0.00	3.95	1.86	YES	
L0001020	0	0.11600E-06	467227.9	3729835.3	398.4	0.00	3.95	1.86	YES	
L0001021	0	0.11600E-06	467219.4	3729834.8	398.8	0.00	3.95	1.86	YES	
L0001022	0	0.11600E-06	467211.1	3729833.0	399.3	0.00	3.95	1.86	YES	
L0001023	0	0.11600E-06	467202.9	3729830.8	400.0	0.00	3.95	1.86	YES	
L0001024	0	0.11600E-06	467194.7	3729828.7	400.7	0.00	3.95	1.86	YES	
L0001025	0	0.11600E-06	467186.4	3729826.5	401.4	0.00	3.95	1.86	YES	
L0001026	0	0.11600E-06	467178.2	3729824.4	401.8	0.00	3.95	1.86	YES	
L0001027	0	0.11600E-06	467170.0	3729822.2	402.0	0.00	3.95	1.86	YES	
L0001028	0	0.11600E-06	467161.8	3729820.1	401.8	0.00	3.95	1.86	YES	
L0001029	0	0.11600E-06	467153.5	3729817.9	401.6	0.00	3.95	1.86	YES	
L0001030	0	0.11600E-06	467145.3	3729815.8	401.5	0.00	3.95	1.86	YES	
L0001031	0	0.11600E-06	467137.1	3729813.6	401.3	0.00	3.95	1.86	YES	
L0001032	0	0.11600E-06	467128.9	3729811.5	400.9	0.00	3.95	1.86	YES	
L0001033	0	0.11600E-06	467120.7	3729809.3	400.6	0.00	3.95	1.86	YES	
L0001034	0	0.11600E-06	467112.4	3729807.2	400.4	0.00	3.95	1.86	YES	
L0001035	0	0.11600E-06	467104.2	3729805.0	399.8	0.00	3.95	1.86	YES	
L0001036	0	0.11600E-06	467096.0	3729802.9	398.8	0.00	3.95	1.86	YES	
L0001037	0	0.11600E-06	467087.7	3729801.1	397.6	0.00	3.95	1.86	YES	
L0001038	0	0.11600E-06	467079.4	3729799.3	396.3	0.00	3.95	1.86	YES	
L0001039	0	0.11600E-06	467071.1	3729797.5	396.1	0.00	3.95	1.86	YES	
L0001040	0	0.11600E-06	467062.8	3729795.6	396.0	0.00	3.95	1.86	YES	
L0001041	0	0.11600E-06	467054.5	3729793.8	396.0	0.00	3.95	1.86	YES	
L0001042	0	0.11600E-06	467046.2	3729792.0	396.0	0.00	3.95	1.86	YES	
L0001043	0	0.11600E-06	467037.9	3729790.2	396.0	0.00	3.95	1.86	YES	

ResDPM

L0001044	0	0.11600E-06	467029.6	3729788.3	396.0	0.00	3.95	1.86	YES
L0001045	0	0.11600E-06	467021.3	3729786.5	396.0	0.00	3.95	1.86	YES
L0001046	0	0.11600E-06	467013.0	3729784.7	397.1	0.00	3.95	1.86	YES
L0001047	0	0.11600E-06	467004.6	3729782.9	398.4	0.00	3.95	1.86	YES
L0001048	0	0.11600E-06	466996.3	3729781.1	399.9	0.00	3.95	1.86	YES
L0001049	0	0.11600E-06	466988.0	3729779.2	401.2	0.00	3.95	1.86	YES
L0001050	0	0.11600E-06	466979.7	3729777.4	401.9	0.00	3.95	1.86	YES
L0001051	0	0.11600E-06	466971.4	3729775.6	402.6	0.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***

06/01/16

*** AERMET - VERSION 14134 *** ***

13:01:07

PAGE 9

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001052	0	0.11600E-06	466963.1	3729773.8	403.1	0.00	3.95	1.86	YES	
L0001053	0	0.11600E-06	466954.8	3729771.9	403.0	0.00	3.95	1.86	YES	
L0001054	0	0.11600E-06	466946.5	3729770.1	402.6	0.00	3.95	1.86	YES	
L0001055	0	0.11600E-06	466938.2	3729768.3	402.3	0.00	3.95	1.86	YES	
L0001056	0	0.11600E-06	466929.9	3729766.5	402.0	0.00	3.95	1.86	YES	
L0001057	0	0.11600E-06	466921.6	3729764.6	401.6	0.00	3.95	1.86	YES	
L0001058	0	0.11600E-06	466913.4	3729762.6	401.1	0.00	3.95	1.86	YES	
L0001059	0	0.11600E-06	466905.1	3729760.5	400.6	0.00	3.95	1.86	YES	
L0001060	0	0.11600E-06	466896.9	3729758.3	399.9	0.00	3.95	1.86	YES	
L0001061	0	0.11600E-06	466888.7	3729756.2	398.8	0.00	3.95	1.86	YES	
L0001062	0	0.11600E-06	466880.5	3729754.1	397.8	0.00	3.95	1.86	YES	
L0001063	0	0.11600E-06	466872.2	3729752.0	396.8	0.00	3.95	1.86	YES	
L0001064	0	0.11600E-06	466864.0	3729749.9	396.5	0.00	3.95	1.86	YES	
L0001065	0	0.11600E-06	466855.8	3729747.7	396.4	0.00	3.95	1.86	YES	
L0001066	0	0.11600E-06	466847.5	3729745.6	396.3	0.00	3.95	1.86	YES	
L0001067	0	0.11600E-06	466839.3	3729743.5	396.3	0.00	3.95	1.86	YES	
L0001068	0	0.11600E-06	466831.1	3729741.4	397.2	0.00	3.95	1.86	YES	
L0001069	0	0.11600E-06	466822.8	3729739.2	398.2	0.00	3.95	1.86	YES	
L0001070	0	0.11600E-06	466814.6	3729737.1	399.3	0.00	3.95	1.86	YES	
L0001071	0	0.11600E-06	466806.4	3729735.0	400.1	0.00	3.95	1.86	YES	
L0001072	0	0.11600E-06	466798.1	3729732.9	400.3	0.00	3.95	1.86	YES	
L0001073	0	0.11600E-06	466789.9	3729730.8	400.6	0.00	3.95	1.86	YES	
L0001074	0	0.11600E-06	466781.7	3729728.6	400.9	0.00	3.95	1.86	YES	
L0001075	0	0.11600E-06	466773.5	3729726.5	401.4	0.00	3.95	1.86	YES	
L0001076	0	0.11600E-06	466765.2	3729724.4	402.0	0.00	3.95	1.86	YES	
L0001077	0	0.11600E-06	466757.0	3729722.3	402.5	0.00	3.95	1.86	YES	
L0001078	0	0.11600E-06	466748.8	3729720.1	403.0	0.00	3.95	1.86	YES	
L0001079	0	0.11600E-06	466740.5	3729718.0	403.1	0.00	3.95	1.86	YES	

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***

06/01/16

*** AERMET - VERSION 14134 *** ***

13:01:07

PAGE 10

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREA SOURCE DATA ***

URBAN SOURCE	EMISSION RATE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	COORD (SW CORNER) X	Y	BASE ELEV.	RELEASE HEIGHT	X-DIM OF AREA	Y-DIM OF AREA	ORIENT. OF AREA	INIT. SZ
--------------	---------------	--------------	---------------------------	---------------------	---	------------	----------------	---------------	---------------	-----------------	----------

ResDPM

SOURCE	SCALAR	VARY									
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(DEG.)	(METERS)	
BY											

AREA1 0 0.23886E-05 466898.7 3730070.0 400.2 5.00 84.40 84.40 0.00 0.00

YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***

06/01/16

*** AERMET - VERSION 14134 *** ***

13:01:07

PAGE 11

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE	NUMBER	EMISSION	LOCATION	BASE	RELEASE	NUMBER	INIT.	URBAN	EMISSION
ID	PART.	RATE	OF AREA	ELEV.	HEIGHT	OF VERTS.	SZ	SOURCE	RATE
	CATS.	(GRAMS/SEC	X Y	(METERS)	(METERS)	(METERS)	(METERS)		SCALAR
		/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		VARY
									BY

PAREA1 0 0.23635E-08 467190.2 3730371.0 488.2 5.00 72 1.00 YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***

06/01/16

*** AERMET - VERSION 14134 *** ***

13:01:07

PAGE 12

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP	ID	SOURCE	IDs
-----		-----	
BP	AREA1	,	
DPM	PAREA1	, L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 ,	
L0000778		,	
	L0000779	, L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 ,	
L0000786		,	
	L0000787	, L0000788 , L0000789 , L0000790 , L0000791 , L0000792 , L0000793 ,	
L0000794		,	
	L0000795	, L0000796 , L0000797 , L0000798 , L0000799 , L0000800 , L0000801 ,	
L0000802		,	
	L0000803	, L0000804 , L0000805 , L0000806 , L0000807 , L0000808 , L0000809 ,	
L0000810		,	
	L0000811	, L0000812 , L0000813 , L0000814 , L0000815 , L0000816 , L0000817 ,	
L0000818		,	
	L0000819	, L0000820 , L0000821 , L0000822 , L0000823 , L0000824 , L0000825 ,	
L0000826		,	
	L0000827	, L0000828 , L0000829 , L0000830 , L0000831 , L0000832 , L0000833 ,	
L0000834		,	

				ResDPM				
L0000842	L0000835	, L0000836	, L0000837	, L0000838	, L0000839	, L0000840	, L0000841	,
L0000850	L0000843	, L0000844	, L0000845	, L0000846	, L0000847	, L0000848	, L0000849	,
L0000858	L0000851	, L0000852	, L0000853	, L0000854	, L0000855	, L0000856	, L0000857	,
L0000866	L0000859	, L0000860	, L0000861	, L0000862	, L0000863	, L0000864	, L0000865	,
L0000874	L0000867	, L0000868	, L0000869	, L0000870	, L0000871	, L0000872	, L0000873	,
L0000882	L0000875	, L0000876	, L0000877	, L0000878	, L0000879	, L0000880	, L0000881	,
L0000890	L0000883	, L0000884	, L0000885	, L0000886	, L0000887	, L0000888	, L0000889	,
L0000898	L0000891	, L0000892	, L0000893	, L0000894	, L0000895	, L0000896	, L0000897	,
L0000906	L0000899	, L0000900	, L0000901	, L0000902	, L0000903	, L0000904	, L0000905	,
L0000914	L0000907	, L0000908	, L0000909	, L0000910	, L0000911	, L0000912	, L0000913	,
L0000922	L0000915	, L0000916	, L0000917	, L0000918	, L0000919	, L0000920	, L0000921	,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***								
06/01/16								
*** AERMET - VERSION 14134 *** ***								***
13:01:07								

PAGE 13
 **MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs							
-----	-----							
L0000930	L0000923	, L0000924	, L0000925	, L0000926	, L0000927	, L0000928	, L0000929	,
L0000938	L0000931	, L0000932	, L0000933	, L0000934	, L0000935	, L0000936	, L0000937	,
L0000946	L0000939	, L0000940	, L0000941	, L0000942	, L0000943	, L0000944	, L0000945	,
L0000954	L0000947	, L0000948	, L0000949	, L0000950	, L0000951	, L0000952	, L0000953	,
L0000962	L0000955	, L0000956	, L0000957	, L0000958	, L0000959	, L0000960	, L0000961	,
L0000970	L0000963	, L0000964	, L0000965	, L0000966	, L0000967	, L0000968	, L0000969	,
L0000978	L0000971	, L0000972	, L0000973	, L0000974	, L0000975	, L0000976	, L0000977	,

ResDPM

L0000986	, L0000979	, L0000980	, L0000981	, L0000982	, L0000983	, L0000984	, L0000985	,
L0000994	, L0000987	, L0000988	, L0000989	, L0000990	, L0000991	, L0000992	, L0000993	,
L0001002	, L0000995	, L0000996	, L0000997	, L0000998	, L0000999	, L0001000	, L0001001	,
L0001010	, L0001003	, L0001004	, L0001005	, L0001006	, L0001007	, L0001008	, L0001009	,
L0001018	, L0001011	, L0001012	, L0001013	, L0001014	, L0001015	, L0001016	, L0001017	,
L0001026	, L0001019	, L0001020	, L0001021	, L0001022	, L0001023	, L0001024	, L0001025	,
L0001034	, L0001027	, L0001028	, L0001029	, L0001030	, L0001031	, L0001032	, L0001033	,
L0001042	, L0001035	, L0001036	, L0001037	, L0001038	, L0001039	, L0001040	, L0001041	,
L0001050	, L0001043	, L0001044	, L0001045	, L0001046	, L0001047	, L0001048	, L0001049	,
L0001058	, L0001051	, L0001052	, L0001053	, L0001054	, L0001055	, L0001056	, L0001057	,
L0001066	, L0001059	, L0001060	, L0001061	, L0001062	, L0001063	, L0001064	, L0001065	,
L0001074	, L0001067	, L0001068	, L0001069	, L0001070	, L0001071	, L0001072	, L0001073	,
♀ *** AERMOD - VERSION 06/01/16	L0001075	, L0001076	, L0001077	, L0001078	, L0001079	,		***
*** AERMET - VERSION 13:01:07	15181 ***	***	C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc				***	

PAGE 14
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
ALL L0000778	PAREA1 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 , L0000777 ,
L0000786	, L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 ,
L0000794	, L0000787 , L0000788 , L0000789 , L0000790 , L0000791 , L0000792 , L0000793 ,
L0000802	, L0000795 , L0000796 , L0000797 , L0000798 , L0000799 , L0000800 , L0000801 ,
L0000810	, L0000803 , L0000804 , L0000805 , L0000806 , L0000807 , L0000808 , L0000809 ,

ResDPM

L0000818	,	L0000811	,	L0000812	,	L0000813	,	L0000814	,	L0000815	,	L0000816	,	L0000817	,
L0000826	,	L0000819	,	L0000820	,	L0000821	,	L0000822	,	L0000823	,	L0000824	,	L0000825	,
L0000834	,	L0000827	,	L0000828	,	L0000829	,	L0000830	,	L0000831	,	L0000832	,	L0000833	,
L0000842	,	L0000835	,	L0000836	,	L0000837	,	L0000838	,	L0000839	,	L0000840	,	L0000841	,
L0000850	,	L0000843	,	L0000844	,	L0000845	,	L0000846	,	L0000847	,	L0000848	,	L0000849	,
L0000858	,	L0000851	,	L0000852	,	L0000853	,	L0000854	,	L0000855	,	L0000856	,	L0000857	,
L0000866	,	L0000859	,	L0000860	,	L0000861	,	L0000862	,	L0000863	,	L0000864	,	L0000865	,
L0000874	,	L0000867	,	L0000868	,	L0000869	,	L0000870	,	L0000871	,	L0000872	,	L0000873	,
L0000882	,	L0000875	,	L0000876	,	L0000877	,	L0000878	,	L0000879	,	L0000880	,	L0000881	,
L0000890	,	L0000883	,	L0000884	,	L0000885	,	L0000886	,	L0000887	,	L0000888	,	L0000889	,
L0000898	,	L0000891	,	L0000892	,	L0000893	,	L0000894	,	L0000895	,	L0000896	,	L0000897	,
L0000906	,	L0000899	,	L0000900	,	L0000901	,	L0000902	,	L0000903	,	L0000904	,	L0000905	,
L0000914	,	L0000907	,	L0000908	,	L0000909	,	L0000910	,	L0000911	,	L0000912	,	L0000913	,
L0000922	,	L0000915	,	L0000916	,	L0000917	,	L0000918	,	L0000919	,	L0000920	,	L0000921	,
L0000930	,	L0000923	,	L0000924	,	L0000925	,	L0000926	,	L0000927	,	L0000928	,	L0000929	,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***															
06/01/16															
*** AERMET - VERSION 14134 *** ***															
13:01:07															

PAGE 15
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
L0000938	L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,
L0000946	L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 ,
	L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 ,

	ResDPM							
L0000954	,							
		L0000955	, L0000956	, L0000957	, L0000958	, L0000959	, L0000960	, L0000961
L0000962	,							
		L0000963	, L0000964	, L0000965	, L0000966	, L0000967	, L0000968	, L0000969
L0000970	,							
		L0000971	, L0000972	, L0000973	, L0000974	, L0000975	, L0000976	, L0000977
L0000978	,							
		L0000979	, L0000980	, L0000981	, L0000982	, L0000983	, L0000984	, L0000985
L0000986	,							
		L0000987	, L0000988	, L0000989	, L0000990	, L0000991	, L0000992	, L0000993
L0000994	,							
		L0000995	, L0000996	, L0000997	, L0000998	, L0000999	, L0001000	, L0001001
L0001002	,							
		L0001003	, L0001004	, L0001005	, L0001006	, L0001007	, L0001008	, L0001009
L0001010	,							
		L0001011	, L0001012	, L0001013	, L0001014	, L0001015	, L0001016	, L0001017
L0001018	,							
		L0001019	, L0001020	, L0001021	, L0001022	, L0001023	, L0001024	, L0001025
L0001026	,							
		L0001027	, L0001028	, L0001029	, L0001030	, L0001031	, L0001032	, L0001033
L0001034	,							
		L0001035	, L0001036	, L0001037	, L0001038	, L0001039	, L0001040	, L0001041
L0001042	,							
		L0001043	, L0001044	, L0001045	, L0001046	, L0001047	, L0001048	, L0001049
L0001050	,							
		L0001051	, L0001052	, L0001053	, L0001054	, L0001055	, L0001056	, L0001057
L0001058	,							
		L0001059	, L0001060	, L0001061	, L0001062	, L0001063	, L0001064	, L0001065
L0001066	,							
		L0001067	, L0001068	, L0001069	, L0001070	, L0001071	, L0001072	, L0001073
L0001074	,							

♀ *** AERMOD - VERSION 06/01/16	L0001075	, L0001076	, L0001077	, L0001078	, L0001079	, AREA1	,	***
*** AERMET - VERSION 13:01:07	15181 ***	***	***	C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc				***

PAGE 16
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000777	2100516. PAREA1	, L0000772 , L0000773 , L0000774 , L0000775 , L0000776 ,
L0000778	,	

				ResDPM				
L0000786	L0000779	, L0000780	, L0000781	, L0000782	, L0000783	, L0000784	, L0000785	,
	L0000787	, L0000788	, L0000789	, L0000790	, L0000791	, L0000792	, L0000793	,
L0000794								
	L0000795	, L0000796	, L0000797	, L0000798	, L0000799	, L0000800	, L0000801	,
L0000802								
	L0000803	, L0000804	, L0000805	, L0000806	, L0000807	, L0000808	, L0000809	,
L0000810								
	L0000811	, L0000812	, L0000813	, L0000814	, L0000815	, L0000816	, L0000817	,
L0000818								
	L0000819	, L0000820	, L0000821	, L0000822	, L0000823	, L0000824	, L0000825	,
L0000826								
	L0000827	, L0000828	, L0000829	, L0000830	, L0000831	, L0000832	, L0000833	,
L0000834								
	L0000835	, L0000836	, L0000837	, L0000838	, L0000839	, L0000840	, L0000841	,
L0000842								
	L0000843	, L0000844	, L0000845	, L0000846	, L0000847	, L0000848	, L0000849	,
L0000850								
	L0000851	, L0000852	, L0000853	, L0000854	, L0000855	, L0000856	, L0000857	,
L0000858								
	L0000859	, L0000860	, L0000861	, L0000862	, L0000863	, L0000864	, L0000865	,
L0000866								
	L0000867	, L0000868	, L0000869	, L0000870	, L0000871	, L0000872	, L0000873	,
L0000874								
	L0000875	, L0000876	, L0000877	, L0000878	, L0000879	, L0000880	, L0000881	,
L0000882								
	L0000883	, L0000884	, L0000885	, L0000886	, L0000887	, L0000888	, L0000889	,
L0000890								
	L0000891	, L0000892	, L0000893	, L0000894	, L0000895	, L0000896	, L0000897	,
L0000898								
	L0000899	, L0000900	, L0000901	, L0000902	, L0000903	, L0000904	, L0000905	,
L0000906								
	L0000907	, L0000908	, L0000909	, L0000910	, L0000911	, L0000912	, L0000913	,
L0000914								
	L0000915	, L0000916	, L0000917	, L0000918	, L0000919	, L0000920	, L0000921	,
L0000922								
	L0000923	, L0000924	, L0000925	, L0000926	, L0000927	, L0000928	, L0000929	,
L0000930								

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:01:07 ***

PAGE 17
**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	ResDPM SOURCE IDs						
-----	-----	-----						
L0000938	L0000931 ,	L0000932 ,	L0000933 ,	L0000934 ,	L0000935 ,	L0000936 ,	L0000937 ,	
L0000946	L0000939 ,	L0000940 ,	L0000941 ,	L0000942 ,	L0000943 ,	L0000944 ,	L0000945 ,	
L0000954	L0000947 ,	L0000948 ,	L0000949 ,	L0000950 ,	L0000951 ,	L0000952 ,	L0000953 ,	
L0000962	L0000955 ,	L0000956 ,	L0000957 ,	L0000958 ,	L0000959 ,	L0000960 ,	L0000961 ,	
L0000970	L0000963 ,	L0000964 ,	L0000965 ,	L0000966 ,	L0000967 ,	L0000968 ,	L0000969 ,	
L0000978	L0000971 ,	L0000972 ,	L0000973 ,	L0000974 ,	L0000975 ,	L0000976 ,	L0000977 ,	
L0000986	L0000979 ,	L0000980 ,	L0000981 ,	L0000982 ,	L0000983 ,	L0000984 ,	L0000985 ,	
L0000994	L0000987 ,	L0000988 ,	L0000989 ,	L0000990 ,	L0000991 ,	L0000992 ,	L0000993 ,	
L0001002	L0000995 ,	L0000996 ,	L0000997 ,	L0000998 ,	L0000999 ,	L0001000 ,	L0001001 ,	
L0001010	L0001003 ,	L0001004 ,	L0001005 ,	L0001006 ,	L0001007 ,	L0001008 ,	L0001009 ,	
L0001018	L0001011 ,	L0001012 ,	L0001013 ,	L0001014 ,	L0001015 ,	L0001016 ,	L0001017 ,	
L0001026	L0001019 ,	L0001020 ,	L0001021 ,	L0001022 ,	L0001023 ,	L0001024 ,	L0001025 ,	
L0001034	L0001027 ,	L0001028 ,	L0001029 ,	L0001030 ,	L0001031 ,	L0001032 ,	L0001033 ,	
L0001042	L0001035 ,	L0001036 ,	L0001037 ,	L0001038 ,	L0001039 ,	L0001040 ,	L0001041 ,	
L0001050	L0001043 ,	L0001044 ,	L0001045 ,	L0001046 ,	L0001047 ,	L0001048 ,	L0001049 ,	
L0001058	L0001051 ,	L0001052 ,	L0001053 ,	L0001054 ,	L0001055 ,	L0001056 ,	L0001057 ,	
L0001066	L0001059 ,	L0001060 ,	L0001061 ,	L0001062 ,	L0001063 ,	L0001064 ,	L0001065 ,	
L0001074	L0001067 ,	L0001068 ,	L0001069 ,	L0001070 ,	L0001071 ,	L0001072 ,	L0001073 ,	
♀ *** AERMOD - VERSION 06/01/16	L0001075 ,	L0001076 ,	L0001077 ,	L0001078 ,	L0001079 ,	AREA1 ,		***
*** AERMET - VERSION 13:01:07	15181 ***	***	C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc					***
	14134 ***	***						***

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

(467947.5, 3729755.6, 421.4, 635.0, 0.0);	(467906.6, 3729686.7, 415.2, 635.0, 0.0);
(467907.9, 3729662.2, 415.8, 635.0, 0.0);	(467904.1, 3729595.3, 416.0, 635.0, 0.0);
(467931.8, 3729591.9, 416.4, 635.0, 0.0);	(467691.8, 3729489.4, 409.9, 635.0, 0.0);
(467579.1, 3729454.4, 408.0, 635.0, 0.0);	(467520.1, 3729393.7, 406.4, 635.0, 0.0);
(467463.7, 3729319.4, 402.9, 635.0, 0.0);	(467650.0, 3729387.7, 407.4, 635.0, 0.0);
(467709.8, 3729097.2, 398.4, 635.0, 0.0);	(467824.3, 3728994.7, 397.2, 635.0, 0.0);
(467904.6, 3729541.5, 415.3, 635.0, 0.0);	

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:01:07

PAGE 19
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** 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 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 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 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 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:01:07

PAGE 20
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: elsi8.sfc	Met Version:
14134	
Profile file: elsi8.PFL	

ResDPM

Surface format: FREE

Profile format: FREE

Surface station no.: 0
 Name: UNKNOWN
 Year: 2008

Upper air station no.: 3190
 Name: UNKNOWN
 Year: 2008

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
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2			
5.5																					
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1			
5.5																					
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1			
5.5																					
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8			
5.5																					
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8			
5.5																					
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8			
5.5																					
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1			
5.5																					
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.54	999.00	999.	-9.0	283.8			
5.5																					
08	01	01	1	09	27.2	-9.000	-9.000	-9.000	60.	-999.	-99999.0	0.23	1.00	0.33	999.00	999.	-9.0	285.9			
5.5																					
08	01	01	1	10	74.6	-9.000	-9.000	-9.000	157.	-999.	-99999.0	0.23	1.00	0.25	999.00	999.	-9.0	288.1			
5.5																					
08	01	01	1	11	107.4	-9.000	-9.000	-9.000	375.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	289.9			
5.5																					
08	01	01	1	12	122.7	-9.000	-9.000	-9.000	578.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	289.9			
5.5																					
08	01	01	1	13	121.3	-9.000	-9.000	-9.000	714.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	291.4			
5.5																					
08	01	01	1	14	102.1	-9.000	-9.000	-9.000	763.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	292.0			
5.5																					
08	01	01	1	15	65.8	-9.000	-9.000	-9.000	792.	-999.	-99999.0	0.23	1.00	0.27	999.00	999.	-9.0	291.4			
5.5																					
08	01	01	1	16	16.0	-9.000	-9.000	-9.000	798.	-999.	-99999.0	0.23	1.00	0.36	999.00	999.	-9.0	290.4			
5.5																					
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.63	999.00	999.	-9.0	288.8			
5.5																					
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	287.5			
5.5																					
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	286.4			
5.5																					
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	285.4			
5.5																					
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2			
5.5																					
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1			
5.5																					
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1			
5.5																					
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	282.5			
5.5																					

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

ResDPM

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:01:07

PAGE 21

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: BP

 INCLUDING SOURCE(S): AREA1 ,

*** 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	
467947.51	3729755.56	0.02251	467906.64	3729686.69	0.02802	
467907.93	3729662.23	0.02843	467904.07	3729595.30	0.03019	
467931.75	3729591.89	0.02851	467691.85	3729489.42	0.05421	
467579.06	3729454.38	0.07128	467520.10	3729393.71	0.07650	
467463.70	3729319.37	0.07099	467649.98	3729387.73	0.06016	
467709.79	3729097.21	0.04414	467824.29	3728994.67	0.03658	
467904.62	3729541.54	0.03143				

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:01:07

PAGE 22

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: DPM

INCLUDING SOURCE(S): PAREA1 , L0000772 , L0000773 , L0000774 ,
 L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 ,
 L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 , L0000790 ,
 L0000791 , L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 , L0000798 ,
 . . . ,

*** 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	
467947.51	3729755.56	0.00241	467906.64	3729686.69	0.00309	
467907.93	3729662.23	0.00294	467904.07	3729595.30	0.00258	
467931.75	3729591.89	0.00235	467691.85	3729489.42	0.00215	

467579.06	3729454.38	0.00168	ResDPM	467520.10	3729393.71	0.00130
467463.70	3729319.37	0.00101		467649.98	3729387.73	0.00147
467709.79	3729097.21	0.00075		467824.29	3728994.67	0.00066
467904.62	3729541.54	0.00226				

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:01:07

PAGE 23
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): PAREA1 , L0000772 , L0000773 , L0000774 ,
L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 ,
L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 , L0000790 ,
L0000791 , L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 , L0000798 ,
. . . ,

*** 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	
467947.51	3729755.56	0.02492	467906.64	3729686.69	0.03111	
467907.93	3729662.23	0.03137	467904.07	3729595.30	0.03277	
467931.75	3729591.89	0.03085	467691.85	3729489.42	0.05636	
467579.06	3729454.38	0.07296	467520.10	3729393.71	0.07780	
467463.70	3729319.37	0.07199	467649.98	3729387.73	0.06164	
467709.79	3729097.21	0.04490	467824.29	3728994.67	0.03724	
467904.62	3729541.54	0.03370				

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:01:07

PAGE 24
**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

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

		ResDPM						
BP	1ST HIGHEST VALUE IS	0.07650	AT (	467520.10,	3729393.71,	406.39,	635.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.07128	AT (	467579.06,	3729454.38,	408.00,	635.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.07099	AT (	467463.70,	3729319.37,	402.91,	635.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.06016	AT (	467649.98,	3729387.73,	407.39,	635.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.05421	AT (	467691.85,	3729489.42,	409.87,	635.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.04414	AT (	467709.79,	3729097.21,	398.41,	635.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.03658	AT (	467824.29,	3728994.67,	397.24,	635.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.03143	AT (	467904.62,	3729541.54,	415.26,	635.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.03019	AT (	467904.07,	3729595.30,	416.00,	635.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.02851	AT (	467931.75,	3729591.89,	416.40,	635.00,	0.00) DC
DPM	1ST HIGHEST VALUE IS	0.00309	AT (	467906.64,	3729686.69,	415.21,	635.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.00294	AT (	467907.93,	3729662.23,	415.79,	635.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.00258	AT (	467904.07,	3729595.30,	416.00,	635.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.00241	AT (	467947.51,	3729755.56,	421.44,	635.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.00235	AT (	467931.75,	3729591.89,	416.40,	635.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.00226	AT (	467904.62,	3729541.54,	415.26,	635.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.00215	AT (	467691.85,	3729489.42,	409.87,	635.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.00168	AT (	467579.06,	3729454.38,	408.00,	635.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.00147	AT (	467649.98,	3729387.73,	407.39,	635.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.00130	AT (	467520.10,	3729393.71,	406.39,	635.00,	0.00) DC
ALL	1ST HIGHEST VALUE IS	0.07780	AT (	467520.10,	3729393.71,	406.39,	635.00,	0.00) DC
	2ND HIGHEST VALUE IS	0.07296	AT (	467579.06,	3729454.38,	408.00,	635.00,	0.00) DC
	3RD HIGHEST VALUE IS	0.07199	AT (	467463.70,	3729319.37,	402.91,	635.00,	0.00) DC
	4TH HIGHEST VALUE IS	0.06164	AT (	467649.98,	3729387.73,	407.39,	635.00,	0.00) DC
	5TH HIGHEST VALUE IS	0.05636	AT (	467691.85,	3729489.42,	409.87,	635.00,	0.00) DC
	6TH HIGHEST VALUE IS	0.04490	AT (	467709.79,	3729097.21,	398.41,	635.00,	0.00) DC
	7TH HIGHEST VALUE IS	0.03724	AT (	467824.29,	3728994.67,	397.24,	635.00,	0.00) DC
	8TH HIGHEST VALUE IS	0.03370	AT (	467904.62,	3729541.54,	415.26,	635.00,	0.00) DC
	9TH HIGHEST VALUE IS	0.03277	AT (	467904.07,	3729595.30,	416.00,	635.00,	0.00) DC
	10TH HIGHEST VALUE IS	0.03137	AT (	467907.93,	3729662.23,	415.79,	635.00,	0.00) DC

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

```

DC = DISCCART
DP = DISCPOLR
*** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\ResDPM\ResDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:01:07

PAGE 25
**MODELOPTs: RegDFAULT CONC      ELEV      URBAN

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

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

A Total of          0 Fatal Error Message(s)
A Total of          0 Warning Message(s)
A Total of        1916 Informational Message(s)

A Total of        43848 Hours Were Processed

A Total of          10 Calm Hours Identified

A Total of        1906 Missing Hours Identified ( 4.35 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*****
*** AERMOD Finishes Successfully ***
*****

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 6/1/2016
** File: C:\Users\hqureshi\Desktop\Nichols Mine\9600_Modeling Files\HRA\WorkerDPM\WorkerDPM.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
TITLEONE C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2100516
POLLUTID DPM
RUNORNOT RUN
ERRORFIL WorkerDPM.err
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**

```

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION PAREA1 AREAPOLY 467190.199 3730371.004 488.240

** DESCRSRC On-Site Equipment

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1

** DESCRSRC On-Site Idling

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 2.014E-06

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 11

** 467252.240, 3730357.231, 502.79, 0.00, 3.95

** 467301.041, 3730331.128, 509.58, 0.00, 3.95

** 467357.787, 3730278.922, 517.06, 0.00, 3.95

** 467398.643, 3730210.828, 508.31, 0.00, 3.95

** 467432.691, 3730090.528, 475.46, 0.00, 3.95

** 467455.389, 3730005.410, 436.97, 0.00, 3.95

** 467489.436, 3729969.093, 426.89, 0.00, 3.95

** 467558.665, 3729929.371, 429.01, 0.00, 3.95

** 467636.974, 3729865.816, 424.62, 0.00, 3.95

** 467668.751, 3729830.634, 421.78, 0.00, 3.95

** 467720.957, 3729779.563, 415.97, 0.00, 3.95

**

LOCATION	L0001388	VOLUME	467255.988	3730355.226	501.52
LOCATION	L0001389	VOLUME	467263.483	3730351.217	502.88
LOCATION	L0001390	VOLUME	467270.978	3730347.208	504.79
LOCATION	L0001391	VOLUME	467278.473	3730343.199	506.62
LOCATION	L0001392	VOLUME	467285.969	3730339.190	508.40
LOCATION	L0001393	VOLUME	467293.464	3730335.181	509.90
LOCATION	L0001394	VOLUME	467300.959	3730331.172	511.00
LOCATION	L0001395	VOLUME	467307.228	3730325.436	511.31
LOCATION	L0001396	VOLUME	467313.483	3730319.681	511.68
LOCATION	L0001397	VOLUME	467319.739	3730313.926	512.14
LOCATION	L0001398	VOLUME	467325.994	3730308.171	512.86
LOCATION	L0001399	VOLUME	467332.250	3730302.416	514.07
LOCATION	L0001400	VOLUME	467338.505	3730296.661	515.55
LOCATION	L0001401	VOLUME	467344.760	3730290.906	517.11
LOCATION	L0001402	VOLUME	467351.016	3730285.151	518.61
LOCATION	L0001403	VOLUME	467357.271	3730279.396	519.54
LOCATION	L0001404	VOLUME	467361.800	3730272.234	519.18
LOCATION	L0001405	VOLUME	467366.173	3730264.945	518.25
LOCATION	L0001406	VOLUME	467370.546	3730257.657	517.25
LOCATION	L0001407	VOLUME	467374.919	3730250.368	516.18
LOCATION	L0001408	VOLUME	467379.292	3730243.079	514.84
LOCATION	L0001409	VOLUME	467383.666	3730235.791	512.92
LOCATION	L0001410	VOLUME	467388.039	3730228.502	511.18
LOCATION	L0001411	VOLUME	467392.412	3730221.213	509.66
LOCATION	L0001412	VOLUME	467396.785	3730213.924	508.40
LOCATION	L0001413	VOLUME	467399.975	3730206.124	506.88
LOCATION	L0001414	VOLUME	467402.289	3730197.945	505.01
LOCATION	L0001415	VOLUME	467404.604	3730189.766	503.09
LOCATION	L0001416	VOLUME	467406.919	3730181.588	501.11
LOCATION	L0001417	VOLUME	467409.234	3730173.409	499.13
LOCATION	L0001418	VOLUME	467411.548	3730165.230	497.29
LOCATION	L0001419	VOLUME	467413.863	3730157.051	495.44
LOCATION	L0001420	VOLUME	467416.178	3730148.873	493.39
LOCATION	L0001421	VOLUME	467418.493	3730140.694	491.16
LOCATION	L0001422	VOLUME	467420.807	3730132.515	488.76
LOCATION	L0001423	VOLUME	467423.122	3730124.336	486.12
LOCATION	L0001424	VOLUME	467425.437	3730116.158	483.16
LOCATION	L0001425	VOLUME	467427.751	3730107.979	480.19

				ResDPM
LOCATION L0001426	VOLUME	467430.066	3730099.800	477.23
LOCATION L0001427	VOLUME	467432.381	3730091.621	474.31
LOCATION L0001428	VOLUME	467434.588	3730083.413	471.49
LOCATION L0001429	VOLUME	467436.778	3730075.200	468.78
LOCATION L0001430	VOLUME	467438.968	3730066.987	466.20
LOCATION L0001431	VOLUME	467441.158	3730058.774	462.66
LOCATION L0001432	VOLUME	467443.348	3730050.561	458.86
LOCATION L0001433	VOLUME	467445.538	3730042.348	455.11
LOCATION L0001434	VOLUME	467447.729	3730034.135	451.34
LOCATION L0001435	VOLUME	467449.919	3730025.922	447.49
LOCATION L0001436	VOLUME	467452.109	3730017.709	443.71
LOCATION L0001437	VOLUME	467454.299	3730009.496	440.02
LOCATION L0001438	VOLUME	467458.310	3730002.294	437.04
LOCATION L0001439	VOLUME	467464.123	3729996.093	434.75
LOCATION L0001440	VOLUME	467469.937	3729989.892	432.61
LOCATION L0001441	VOLUME	467475.750	3729983.691	430.45
LOCATION L0001442	VOLUME	467481.564	3729977.490	428.45
LOCATION L0001443	VOLUME	467487.377	3729971.289	426.98
LOCATION L0001444	VOLUME	467494.198	3729966.360	426.36
LOCATION L0001445	VOLUME	467501.570	3729962.130	426.83
LOCATION L0001446	VOLUME	467508.943	3729957.900	428.74
LOCATION L0001447	VOLUME	467516.315	3729953.670	430.45
LOCATION L0001448	VOLUME	467523.688	3729949.440	431.94
LOCATION L0001449	VOLUME	467531.061	3729945.209	433.18
LOCATION L0001450	VOLUME	467538.433	3729940.979	433.98
LOCATION L0001451	VOLUME	467545.806	3729936.749	434.57
LOCATION L0001452	VOLUME	467553.179	3729932.519	434.95
LOCATION L0001453	VOLUME	467560.354	3729928.001	434.91
LOCATION L0001454	VOLUME	467566.953	3729922.644	433.86
LOCATION L0001455	VOLUME	467573.553	3729917.288	432.82
LOCATION L0001456	VOLUME	467580.153	3729911.931	431.78
LOCATION L0001457	VOLUME	467586.753	3729906.575	430.74
LOCATION L0001458	VOLUME	467593.353	3729901.218	429.82
LOCATION L0001459	VOLUME	467599.953	3729895.862	429.23
LOCATION L0001460	VOLUME	467606.553	3729890.506	428.96
LOCATION L0001461	VOLUME	467613.153	3729885.149	429.01
LOCATION L0001462	VOLUME	467619.753	3729879.793	429.16
LOCATION L0001463	VOLUME	467626.352	3729874.436	429.50
LOCATION L0001464	VOLUME	467632.952	3729869.080	429.60
LOCATION L0001465	VOLUME	467639.200	3729863.352	429.24
LOCATION L0001466	VOLUME	467644.897	3729857.044	428.28
LOCATION L0001467	VOLUME	467650.595	3729850.736	427.39
LOCATION L0001468	VOLUME	467656.292	3729844.428	426.24
LOCATION L0001469	VOLUME	467661.989	3729838.120	425.09
LOCATION L0001470	VOLUME	467667.687	3729831.812	423.94
LOCATION L0001471	VOLUME	467673.692	3729825.800	422.96
LOCATION L0001472	VOLUME	467679.768	3729819.856	422.78
LOCATION L0001473	VOLUME	467685.844	3729813.912	422.40
LOCATION L0001474	VOLUME	467691.920	3729807.968	422.03
LOCATION L0001475	VOLUME	467697.997	3729802.024	421.65
LOCATION L0001476	VOLUME	467704.073	3729796.080	421.27
LOCATION L0001477	VOLUME	467710.149	3729790.136	420.87
LOCATION L0001478	VOLUME	467716.225	3729784.192	420.12

** 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 = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00001409

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 11

** 467252.240, 3730357.231, 502.79, 0.00, 3.95

** 467301.041, 3730331.128, 509.58, 0.00, 3.95

ResDPM

** 467357.787, 3730278.922, 517.06, 0.00, 3.95
 ** 467398.643, 3730210.828, 508.31, 0.00, 3.95
 ** 467432.691, 3730090.528, 475.46, 0.00, 3.95
 ** 467455.389, 3730005.410, 436.97, 0.00, 3.95
 ** 467489.436, 3729969.093, 426.89, 0.00, 3.95
 ** 467558.665, 3729929.371, 429.01, 0.00, 3.95
 ** 467636.974, 3729865.816, 424.62, 0.00, 3.95
 ** 467668.751, 3729830.634, 421.78, 0.00, 3.95
 ** 467720.957, 3729779.563, 415.97, 0.00, 3.95

 ** LOCATION L0001479 VOLUME 467255.988 3730355.226 501.52
 LOCATION L0001480 VOLUME 467263.483 3730351.217 502.88
 LOCATION L0001481 VOLUME 467270.978 3730347.208 504.79
 LOCATION L0001482 VOLUME 467278.473 3730343.199 506.62
 LOCATION L0001483 VOLUME 467285.969 3730339.190 508.40
 LOCATION L0001484 VOLUME 467293.464 3730335.181 509.90
 LOCATION L0001485 VOLUME 467300.959 3730331.172 511.00
 LOCATION L0001486 VOLUME 467307.228 3730325.436 511.31
 LOCATION L0001487 VOLUME 467313.483 3730319.681 511.68
 LOCATION L0001488 VOLUME 467319.739 3730313.926 512.14
 LOCATION L0001489 VOLUME 467325.994 3730308.171 512.86
 LOCATION L0001490 VOLUME 467332.250 3730302.416 514.07
 LOCATION L0001491 VOLUME 467338.505 3730296.661 515.55
 LOCATION L0001492 VOLUME 467344.760 3730290.906 517.11
 LOCATION L0001493 VOLUME 467351.016 3730285.151 518.61
 LOCATION L0001494 VOLUME 467357.271 3730279.396 519.54
 LOCATION L0001495 VOLUME 467361.800 3730272.234 519.18
 LOCATION L0001496 VOLUME 467366.173 3730264.945 518.25
 LOCATION L0001497 VOLUME 467370.546 3730257.657 517.25
 LOCATION L0001498 VOLUME 467374.919 3730250.368 516.18
 LOCATION L0001499 VOLUME 467379.292 3730243.079 514.84
 LOCATION L0001500 VOLUME 467383.666 3730235.791 512.92
 LOCATION L0001501 VOLUME 467388.039 3730228.502 511.18
 LOCATION L0001502 VOLUME 467392.412 3730221.213 509.66
 LOCATION L0001503 VOLUME 467396.785 3730213.924 508.40
 LOCATION L0001504 VOLUME 467399.975 3730206.124 506.88
 LOCATION L0001505 VOLUME 467402.289 3730197.945 505.01
 LOCATION L0001506 VOLUME 467404.604 3730189.766 503.09
 LOCATION L0001507 VOLUME 467406.919 3730181.588 501.11
 LOCATION L0001508 VOLUME 467409.234 3730173.409 499.13
 LOCATION L0001509 VOLUME 467411.548 3730165.230 497.29
 LOCATION L0001510 VOLUME 467413.863 3730157.051 495.44
 LOCATION L0001511 VOLUME 467416.178 3730148.873 493.39
 LOCATION L0001512 VOLUME 467418.493 3730140.694 491.16
 LOCATION L0001513 VOLUME 467420.807 3730132.515 488.76
 LOCATION L0001514 VOLUME 467423.122 3730124.336 486.12
 LOCATION L0001515 VOLUME 467425.437 3730116.158 483.16
 LOCATION L0001516 VOLUME 467427.751 3730107.979 480.19
 LOCATION L0001517 VOLUME 467430.066 3730099.800 477.23
 LOCATION L0001518 VOLUME 467432.381 3730091.621 474.31
 LOCATION L0001519 VOLUME 467434.588 3730083.413 471.49
 LOCATION L0001520 VOLUME 467436.778 3730075.200 468.78
 LOCATION L0001521 VOLUME 467438.968 3730066.987 466.20
 LOCATION L0001522 VOLUME 467441.158 3730058.774 462.66
 LOCATION L0001523 VOLUME 467443.348 3730050.561 458.86
 LOCATION L0001524 VOLUME 467445.538 3730042.348 455.11
 LOCATION L0001525 VOLUME 467447.729 3730034.135 451.34
 LOCATION L0001526 VOLUME 467449.919 3730025.922 447.49
 LOCATION L0001527 VOLUME 467452.109 3730017.709 443.71
 LOCATION L0001528 VOLUME 467454.299 3730009.496 440.02
 LOCATION L0001529 VOLUME 467458.310 3730002.294 437.04
 LOCATION L0001530 VOLUME 467464.123 3729996.093 434.75
 LOCATION L0001531 VOLUME 467469.937 3729989.892 432.61
 LOCATION L0001532 VOLUME 467475.750 3729983.691 430.45
 LOCATION L0001533 VOLUME 467481.564 3729977.490 428.45
 LOCATION L0001534 VOLUME 467487.377 3729971.289 426.98
 LOCATION L0001535 VOLUME 467494.198 3729966.360 426.36

					ResDPM
LOCATION	L0001536	VOLUME	467501.570	3729962.130	426.83
LOCATION	L0001537	VOLUME	467508.943	3729957.900	428.74
LOCATION	L0001538	VOLUME	467516.315	3729953.670	430.45
LOCATION	L0001539	VOLUME	467523.688	3729949.440	431.94
LOCATION	L0001540	VOLUME	467531.061	3729945.209	433.18
LOCATION	L0001541	VOLUME	467538.433	3729940.979	433.98
LOCATION	L0001542	VOLUME	467545.806	3729936.749	434.57
LOCATION	L0001543	VOLUME	467553.179	3729932.519	434.95
LOCATION	L0001544	VOLUME	467560.354	3729928.001	434.91
LOCATION	L0001545	VOLUME	467566.953	3729922.644	433.86
LOCATION	L0001546	VOLUME	467573.553	3729917.288	432.82
LOCATION	L0001547	VOLUME	467580.153	3729911.931	431.78
LOCATION	L0001548	VOLUME	467586.753	3729906.575	430.74
LOCATION	L0001549	VOLUME	467593.353	3729901.218	429.82
LOCATION	L0001550	VOLUME	467599.953	3729895.862	429.23
LOCATION	L0001551	VOLUME	467606.553	3729890.506	428.96
LOCATION	L0001552	VOLUME	467613.153	3729885.149	429.01
LOCATION	L0001553	VOLUME	467619.753	3729879.793	429.16
LOCATION	L0001554	VOLUME	467626.352	3729874.436	429.50
LOCATION	L0001555	VOLUME	467632.952	3729869.080	429.60
LOCATION	L0001556	VOLUME	467639.200	3729863.352	429.24
LOCATION	L0001557	VOLUME	467644.897	3729857.044	428.28
LOCATION	L0001558	VOLUME	467650.595	3729850.736	427.39
LOCATION	L0001559	VOLUME	467656.292	3729844.428	426.24
LOCATION	L0001560	VOLUME	467661.989	3729838.120	425.09
LOCATION	L0001561	VOLUME	467667.687	3729831.812	423.94
LOCATION	L0001562	VOLUME	467673.692	3729825.800	422.96
LOCATION	L0001563	VOLUME	467679.768	3729819.856	422.78
LOCATION	L0001564	VOLUME	467685.844	3729813.912	422.40
LOCATION	L0001565	VOLUME	467691.920	3729807.968	422.03
LOCATION	L0001566	VOLUME	467697.997	3729802.024	421.65
LOCATION	L0001567	VOLUME	467704.073	3729796.080	421.27
LOCATION	L0001568	VOLUME	467710.149	3729790.136	420.87
LOCATION	L0001569	VOLUME	467716.225	3729784.192	420.12

** End of LINE VOLUME Source ID = SLINE2

**

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Off-Site Travel

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00001004

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 15

** 467773.569, 3729732.155, 414.00, 0.00, 3.95

** 467719.897, 3729744.702, 413.93, 0.00, 3.95

** 467689.924, 3729762.128, 414.29, 0.00, 3.95

** 467662.042, 3729777.463, 412.74, 0.00, 3.95

** 467650.889, 3729785.131, 413.77, 0.00, 3.95

** 467631.372, 3729789.313, 412.26, 0.00, 3.95

** 467602.096, 3729802.557, 410.47, 0.00, 3.95

** 467522.632, 3729804.648, 408.27, 0.00, 3.95

** 467443.169, 3729807.437, 402.19, 0.00, 3.95

** 467335.127, 3729833.924, 399.47, 0.00, 3.95

** 467295.395, 3729839.501, 398.16, 0.00, 3.95

** 467217.326, 3729834.621, 400.44, 0.00, 3.95

** 467097.434, 3729803.254, 398.97, 0.00, 3.95

** 466919.687, 3729764.220, 401.42, 0.00, 3.95

** 466736.447, 3729716.966, 402.67, 0.00, 3.95

**

LOCATION	L0001570	VOLUME	467769.431	3729733.123	414.00
LOCATION	L0001571	VOLUME	467761.154	3729735.058	413.99
LOCATION	L0001572	VOLUME	467752.877	3729736.993	414.10
LOCATION	L0001573	VOLUME	467744.600	3729738.927	414.29
LOCATION	L0001574	VOLUME	467736.323	3729740.862	414.47

					ResDPM
LOCATION	L0001575	VOLUME	467728.047	3729742.797	414.59
LOCATION	L0001576	VOLUME	467719.784	3729744.768	414.68
LOCATION	L0001577	VOLUME	467712.436	3729749.040	414.91
LOCATION	L0001578	VOLUME	467705.087	3729753.312	414.98
LOCATION	L0001579	VOLUME	467697.739	3729757.585	414.87
LOCATION	L0001580	VOLUME	467690.391	3729761.857	414.62
LOCATION	L0001581	VOLUME	467682.949	3729765.964	414.22
LOCATION	L0001582	VOLUME	467675.501	3729770.061	414.22
LOCATION	L0001583	VOLUME	467668.053	3729774.157	414.10
LOCATION	L0001584	VOLUME	467660.691	3729778.392	413.86
LOCATION	L0001585	VOLUME	467653.687	3729783.208	413.57
LOCATION	L0001586	VOLUME	467645.898	3729786.201	413.14
LOCATION	L0001587	VOLUME	467637.586	3729787.982	412.77
LOCATION	L0001588	VOLUME	467629.418	3729790.197	412.39
LOCATION	L0001589	VOLUME	467621.673	3729793.701	412.05
LOCATION	L0001590	VOLUME	467613.929	3729797.204	411.71
LOCATION	L0001591	VOLUME	467606.185	3729800.707	411.48
LOCATION	L0001592	VOLUME	467598.085	3729802.663	411.16
LOCATION	L0001593	VOLUME	467589.588	3729802.886	410.69
LOCATION	L0001594	VOLUME	467581.091	3729803.110	410.64
LOCATION	L0001595	VOLUME	467572.594	3729803.334	410.59
LOCATION	L0001596	VOLUME	467564.097	3729803.557	410.54
LOCATION	L0001597	VOLUME	467555.600	3729803.781	410.35
LOCATION	L0001598	VOLUME	467547.103	3729804.004	410.00
LOCATION	L0001599	VOLUME	467538.606	3729804.228	409.65
LOCATION	L0001600	VOLUME	467530.109	3729804.452	409.30
LOCATION	L0001601	VOLUME	467521.612	3729804.684	408.14
LOCATION	L0001602	VOLUME	467513.117	3729804.982	406.93
LOCATION	L0001603	VOLUME	467504.622	3729805.280	405.72
LOCATION	L0001604	VOLUME	467496.127	3729805.578	404.73
LOCATION	L0001605	VOLUME	467487.633	3729805.876	404.07
LOCATION	L0001606	VOLUME	467479.138	3729806.174	403.40
LOCATION	L0001607	VOLUME	467470.643	3729806.473	402.73
LOCATION	L0001608	VOLUME	467462.148	3729806.771	402.48
LOCATION	L0001609	VOLUME	467453.654	3729807.069	402.30
LOCATION	L0001610	VOLUME	467445.159	3729807.367	402.11
LOCATION	L0001611	VOLUME	467436.847	3729808.986	401.96
LOCATION	L0001612	VOLUME	467428.592	3729811.010	401.82
LOCATION	L0001613	VOLUME	467420.336	3729813.034	401.64
LOCATION	L0001614	VOLUME	467412.081	3729815.058	401.42
LOCATION	L0001615	VOLUME	467403.825	3729817.082	401.10
LOCATION	L0001616	VOLUME	467395.570	3729819.106	400.76
LOCATION	L0001617	VOLUME	467387.314	3729821.130	400.42
LOCATION	L0001618	VOLUME	467379.059	3729823.154	400.09
LOCATION	L0001619	VOLUME	467370.803	3729825.178	400.02
LOCATION	L0001620	VOLUME	467362.547	3729827.202	399.98
LOCATION	L0001621	VOLUME	467354.292	3729829.226	399.91
LOCATION	L0001622	VOLUME	467346.036	3729831.250	399.71
LOCATION	L0001623	VOLUME	467337.781	3729833.274	399.36
LOCATION	L0001624	VOLUME	467329.415	3729834.726	399.04
LOCATION	L0001625	VOLUME	467320.998	3729835.907	398.72
LOCATION	L0001626	VOLUME	467312.580	3729837.089	398.48
LOCATION	L0001627	VOLUME	467304.163	3729838.270	398.29
LOCATION	L0001628	VOLUME	467295.745	3729839.451	398.11
LOCATION	L0001629	VOLUME	467287.265	3729838.993	397.96
LOCATION	L0001630	VOLUME	467278.781	3729838.462	397.79
LOCATION	L0001631	VOLUME	467270.298	3729837.932	397.61
LOCATION	L0001632	VOLUME	467261.814	3729837.402	397.42
LOCATION	L0001633	VOLUME	467253.331	3729836.872	397.55
LOCATION	L0001634	VOLUME	467244.848	3729836.341	397.82
LOCATION	L0001635	VOLUME	467236.364	3729835.811	398.12
LOCATION	L0001636	VOLUME	467227.881	3729835.281	398.45
LOCATION	L0001637	VOLUME	467219.397	3729834.751	398.80
LOCATION	L0001638	VOLUME	467211.110	3729832.995	399.34
LOCATION	L0001639	VOLUME	467202.887	3729830.844	400.03
LOCATION	L0001640	VOLUME	467194.664	3729828.692	400.74
LOCATION	L0001641	VOLUME	467186.441	3729826.541	401.36

		ResDPM			
LOCATION	L0001642	VOLUME	467178.218	3729824.390	401.82
LOCATION	L0001643	VOLUME	467169.994	3729822.238	402.00
LOCATION	L0001644	VOLUME	467161.771	3729820.087	401.79
LOCATION	L0001645	VOLUME	467153.548	3729817.935	401.61
LOCATION	L0001646	VOLUME	467145.325	3729815.784	401.47
LOCATION	L0001647	VOLUME	467137.101	3729813.632	401.28
LOCATION	L0001648	VOLUME	467128.878	3729811.481	400.94
LOCATION	L0001649	VOLUME	467120.655	3729809.330	400.64
LOCATION	L0001650	VOLUME	467112.432	3729807.178	400.38
LOCATION	L0001651	VOLUME	467104.209	3729805.027	399.77
LOCATION	L0001652	VOLUME	467095.971	3729802.933	398.79
LOCATION	L0001653	VOLUME	467087.669	3729801.110	397.62
LOCATION	L0001654	VOLUME	467079.367	3729799.287	396.32
LOCATION	L0001655	VOLUME	467071.065	3729797.463	396.10
LOCATION	L0001656	VOLUME	467062.763	3729795.640	396.01
LOCATION	L0001657	VOLUME	467054.461	3729793.817	396.02
LOCATION	L0001658	VOLUME	467046.158	3729791.994	396.00
LOCATION	L0001659	VOLUME	467037.856	3729790.171	396.00
LOCATION	L0001660	VOLUME	467029.554	3729788.347	396.00
LOCATION	L0001661	VOLUME	467021.252	3729786.524	396.00
LOCATION	L0001662	VOLUME	467012.950	3729784.701	397.06
LOCATION	L0001663	VOLUME	467004.648	3729782.878	398.43
LOCATION	L0001664	VOLUME	466996.346	3729781.054	399.88
LOCATION	L0001665	VOLUME	466988.043	3729779.231	401.24
LOCATION	L0001666	VOLUME	466979.741	3729777.408	401.95
LOCATION	L0001667	VOLUME	466971.439	3729775.585	402.55
LOCATION	L0001668	VOLUME	466963.137	3729773.762	403.05
LOCATION	L0001669	VOLUME	466954.835	3729771.938	403.01
LOCATION	L0001670	VOLUME	466946.533	3729770.115	402.64
LOCATION	L0001671	VOLUME	466938.230	3729768.292	402.31
LOCATION	L0001672	VOLUME	466929.928	3729766.469	402.01
LOCATION	L0001673	VOLUME	466921.626	3729764.646	401.60
LOCATION	L0001674	VOLUME	466913.379	3729762.593	401.11
LOCATION	L0001675	VOLUME	466905.148	3729760.470	400.63
LOCATION	L0001676	VOLUME	466896.917	3729758.348	399.92
LOCATION	L0001677	VOLUME	466888.686	3729756.225	398.80
LOCATION	L0001678	VOLUME	466880.456	3729754.103	397.76
LOCATION	L0001679	VOLUME	466872.225	3729751.980	396.80
LOCATION	L0001680	VOLUME	466863.994	3729749.858	396.46
LOCATION	L0001681	VOLUME	466855.764	3729747.735	396.39
LOCATION	L0001682	VOLUME	466847.533	3729745.613	396.32
LOCATION	L0001683	VOLUME	466839.302	3729743.490	396.29
LOCATION	L0001684	VOLUME	466831.071	3729741.367	397.22
LOCATION	L0001685	VOLUME	466822.841	3729739.245	398.22
LOCATION	L0001686	VOLUME	466814.610	3729737.122	399.31
LOCATION	L0001687	VOLUME	466806.379	3729735.000	400.08
LOCATION	L0001688	VOLUME	466798.149	3729732.877	400.32
LOCATION	L0001689	VOLUME	466789.918	3729730.755	400.60
LOCATION	L0001690	VOLUME	466781.687	3729728.632	400.91
LOCATION	L0001691	VOLUME	466773.456	3729726.510	401.41
LOCATION	L0001692	VOLUME	466765.226	3729724.387	401.96
LOCATION	L0001693	VOLUME	466756.995	3729722.265	402.51
LOCATION	L0001694	VOLUME	466748.764	3729720.142	403.01
LOCATION	L0001695	VOLUME	466740.533	3729718.019	403.12
** End of LINE VOLUME Source ID = SLINE3					
LOCATION	AREA1	AREA	466898.710	3730070.010	400.230
** DESCRSRC Asphalt Batch Plant					
** Source Parameters **					
SRCPARAM	PAREA1	2.3635E-09	5.000	72	1.000
AREAVERT	PAREA1	467190.199	3730371.004	467293.010	3730368.225
AREAVERT	PAREA1	467329.133	3730364.057	467377.760	3730359.889
AREAVERT	PAREA1	467419.440	3730339.049	467462.509	3730302.926
AREAVERT	PAREA1	467484.739	3730276.529	467494.464	3730261.246
AREAVERT	PAREA1	467506.968	3730237.628	467518.083	3730209.841
AREAVERT	PAREA1	467519.472	3730180.665	467519.472	3730137.595
AREAVERT	PAREA1	467515.304	3730109.808	467513.915	3730094.526
AREAVERT	PAREA1	467515.304	3730073.686	467520.862	3730059.792

ResDPM

AREAVERT	PAREA1	467529.198	3730036.173	467531.976	3730029.227
AREAVERT	PAREA1	467533.366	3730026.448	467543.091	3730013.944
AREAVERT	PAREA1	467548.648	3730006.997	467562.542	3729990.325
AREAVERT	PAREA1	467570.878	3729981.989	467579.214	3729970.874
AREAVERT	PAREA1	467615.337	3729945.866	467625.062	3729934.752
AREAVERT	PAREA1	467634.787	3729930.584	467651.460	3729925.026
AREAVERT	PAREA1	467666.742	3729918.080	467693.140	3729909.743
AREAVERT	PAREA1	467711.201	3729902.797	467745.935	3729895.850
AREAVERT	PAREA1	467770.943	3729886.125	467787.615	3729876.399
AREAVERT	PAREA1	467807.066	3729862.506	467816.791	3729848.613
AREAVERT	PAREA1	467822.348	3729827.772	467826.516	3729816.658
AREAVERT	PAREA1	467823.738	3729788.871	467823.738	3729777.756
AREAVERT	PAREA1	467801.508	3729776.367	467773.721	3729776.367
AREAVERT	PAREA1	467733.431	3729779.146	467676.468	3729780.535
AREAVERT	PAREA1	467615.337	3729793.039	467579.214	3729802.764
AREAVERT	PAREA1	467529.198	3729816.658	467509.747	3729834.719
AREAVERT	PAREA1	467456.952	3729919.469	467347.194	3730005.608
AREAVERT	PAREA1	467372.202	3730107.030	467373.592	3730132.038
AREAVERT	PAREA1	467363.866	3730143.152	467349.973	3730159.825
AREAVERT	PAREA1	467343.026	3730173.718	467334.690	3730190.390
AREAVERT	PAREA1	467326.354	3730205.673	467313.850	3730225.123
AREAVERT	PAREA1	467299.957	3730247.353	467295.789	3730269.582
AREAVERT	PAREA1	467284.674	3730280.697	467281.895	3730295.980
AREAVERT	PAREA1	467280.506	3730304.316	467276.338	3730315.431
AREAVERT	PAREA1	467270.781	3730319.599	467265.223	3730326.545
AREAVERT	PAREA1	467262.445	3730336.271	467256.887	3730340.439
AREAVERT	PAREA1	467252.719	3730344.607	467245.772	3730348.775
AREAVERT	PAREA1	467234.658	3730355.721	467213.818	3730361.279

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0001388	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001389	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001390	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001391	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001392	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001393	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001394	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001395	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001396	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001397	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001398	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001399	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001400	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001401	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001402	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001403	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001404	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001405	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001406	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001407	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001408	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001409	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001410	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001411	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001412	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001413	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001414	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001415	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001416	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001417	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001418	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001419	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001420	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001421	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001422	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001423	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001424	0.00000002213	0.00	3.95	1.86
SRCPARAM	L0001425	0.00000002213	0.00	3.95	1.86

[illegible]

**

SRCPARAM	L0001479	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001480	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001481	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001482	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001483	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001484	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001485	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001486	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001487	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001488	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001489	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001490	0.0000001548	0.00	3.95	1.86

[illegible]

				ResDPM	
SRCPARAM	L0001558	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001559	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001560	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001561	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001562	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001563	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001564	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001565	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001566	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001567	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001568	0.0000001548	0.00	3.95	1.86
SRCPARAM	L0001569	0.0000001548	0.00	3.95	1.86

[illegible]

				ResDPM	
SRCPARAM	L0001690	0.00000007968	0.00	3.95	1.86
SRCPARAM	L0001691	0.00000007968	0.00	3.95	1.86
SRCPARAM	L0001692	0.00000007968	0.00	3.95	1.86
SRCPARAM	L0001693	0.00000007968	0.00	3.95	1.86
SRCPARAM	L0001694	0.00000007968	0.00	3.95	1.86
SRCPARAM	L0001695	0.00000007968	0.00	3.95	1.86

**

SRCPARAM	AREA1	3.358E-06	5.000	84.396	84.396	0.000
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URBANSRC ALL

SRCGROUP	DPM	PAREA1	L0001388	L0001389	L0001390	L0001391	L0001392
SRCGROUP	DPM		L0001393	L0001394	L0001395	L0001396	L0001397
SRCGROUP	DPM		L0001399	L0001400	L0001401	L0001402	L0001403
SRCGROUP	DPM		L0001405	L0001406	L0001407	L0001408	L0001409
SRCGROUP	DPM		L0001411	L0001412	L0001413	L0001414	L0001415
SRCGROUP	DPM		L0001417	L0001418	L0001419	L0001420	L0001421
SRCGROUP	DPM		L0001423	L0001424	L0001425	L0001426	L0001427
SRCGROUP	DPM		L0001429	L0001430	L0001431	L0001432	L0001433
SRCGROUP	DPM		L0001435	L0001436	L0001437	L0001438	L0001439
SRCGROUP	DPM		L0001441	L0001442	L0001443	L0001444	L0001445
SRCGROUP	DPM		L0001447	L0001448	L0001449	L0001450	L0001451
SRCGROUP	DPM		L0001453	L0001454	L0001455	L0001456	L0001457
SRCGROUP	DPM		L0001459	L0001460	L0001461	L0001462	L0001463
SRCGROUP	DPM		L0001465	L0001466	L0001467	L0001468	L0001469
SRCGROUP	DPM		L0001471	L0001472	L0001473	L0001474	L0001475
SRCGROUP	DPM		L0001477	L0001478	L0001479	L0001480	L0001481
SRCGROUP	DPM		L0001483	L0001484	L0001485	L0001486	L0001487
SRCGROUP	DPM		L0001489	L0001490	L0001491	L0001492	L0001493
SRCGROUP	DPM		L0001495	L0001496	L0001497	L0001498	L0001499
SRCGROUP	DPM		L0001501	L0001502	L0001503	L0001504	L0001505
SRCGROUP	DPM		L0001507	L0001508	L0001509	L0001510	L0001511
SRCGROUP	DPM		L0001513	L0001514	L0001515	L0001516	L0001517
SRCGROUP	DPM		L0001519	L0001520	L0001521	L0001522	L0001523
SRCGROUP	DPM		L0001525	L0001526	L0001527	L0001528	L0001529
SRCGROUP	DPM		L0001531	L0001532	L0001533	L0001534	L0001535
SRCGROUP	DPM		L0001537	L0001538	L0001539	L0001540	L0001541
SRCGROUP	DPM		L0001543	L0001544	L0001545	L0001546	L0001547
SRCGROUP	DPM		L0001549	L0001550	L0001551	L0001552	L0001553
SRCGROUP	DPM		L0001555	L0001556	L0001557	L0001558	L0001559
SRCGROUP	DPM		L0001561	L0001562	L0001563	L0001564	L0001565
SRCGROUP	DPM		L0001567	L0001568	L0001569	L0001570	L0001571
SRCGROUP	DPM		L0001573	L0001574	L0001575	L0001576	L0001577
SRCGROUP	DPM		L0001579	L0001580	L0001581	L0001582	L0001583
SRCGROUP	DPM		L0001585	L0001586	L0001587	L0001588	L0001589
SRCGROUP	DPM		L0001591	L0001592	L0001593	L0001594	L0001595
SRCGROUP	DPM		L0001597	L0001598	L0001599	L0001600	L0001601
SRCGROUP	DPM		L0001603	L0001604	L0001605	L0001606	L0001607
SRCGROUP	DPM		L0001609	L0001610	L0001611	L0001612	L0001613
SRCGROUP	DPM		L0001615	L0001616	L0001617	L0001618	L0001619
SRCGROUP	DPM		L0001621	L0001622	L0001623	L0001624	L0001625
SRCGROUP	DPM		L0001627	L0001628	L0001629	L0001630	L0001631
SRCGROUP	DPM		L0001633	L0001634	L0001635	L0001636	L0001637
SRCGROUP	DPM		L0001639	L0001640	L0001641	L0001642	L0001643
SRCGROUP	DPM		L0001645	L0001646	L0001647	L0001648	L0001649
SRCGROUP	DPM		L0001651	L0001652	L0001653	L0001654	L0001655
SRCGROUP	DPM		L0001657	L0001658	L0001659	L0001660	L0001661
SRCGROUP	DPM		L0001663	L0001664	L0001665	L0001666	L0001667
SRCGROUP	DPM		L0001669	L0001670	L0001671	L0001672	L0001673
SRCGROUP	DPM		L0001675	L0001676	L0001677	L0001678	L0001679
SRCGROUP	DPM		L0001681	L0001682	L0001683	L0001684	L0001685
SRCGROUP	DPM		L0001687	L0001688	L0001689	L0001690	L0001691
SRCGROUP	DPM		L0001693	L0001694	L0001695		
SRCGROUP	BP	AREA1					
SRCGROUP	ALL						

SO FINISHED

**

** AERMOD Receptor Pathway

 **
 **

RE STARTING
 INCLUDED WorkerDPM.rou
 RE FINISHED
 **

 ** AERMOD Meteorology Pathway

 **
 **

ME STARTING
 SURFFILE elsi8.sfc
 PROFFILE elsi8.PFL
 SURFDATA 0 2008
 UAIRDATA 3190 2008
 SITEDATA 99999 2008
 PROFBASE 406.0 METERS
 ME FINISHED
 **

 ** AERMOD Output Pathway

 **
 **

OU STARTING
 ** Auto-Generated Plotfiles
 PLOTFILE ANNUAL ALL WORKERDPM.AD\AN00GALL.PLT 31
 PLOTFILE ANNUAL DPM WORKERDPM.AD\AN00G001.PLT 32
 PLOTFILE ANNUAL BP WORKERDPM.AD\AN00G002.PLT 33
 SUMMFILE WorkerDPM.sum
 OU FINISHED

 *** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:18:47

PAGE 1
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

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

**Model Uses URBAN Dispersion Algorithm for the SBL for 310 Source(s),
 for Total of 1 Urban Area(s):
 Urban Population = 2100516.0 ; 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.

ResDPM

5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

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: 310 Source(s); 3 Source Group(s); and 7 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 308 VOLUME source(s)
and: 2 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 406.00 ; 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 = 4.0 MB of RAM.

**Detailed Error/Message File: WorkerDPM.err

**File for Summary of Results: WorkerDPM.sum

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
06/01/16

*** AERMET - VERSION 14134 ***
13:18:47

PAGE 2

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001388	0	0.22130E-07	467256.0	3730355.2	501.5	0.00	3.95	1.86	YES	
L0001389	0	0.22130E-07	467263.5	3730351.2	502.9	0.00	3.95	1.86	YES	
L0001390	0	0.22130E-07	467271.0	3730347.2	504.8	0.00	3.95	1.86	YES	

					ResDPM				
L0001391	0	0.22130E-07	467278.5	3730343.2	506.6	0.00	3.95	1.86	YES
L0001392	0	0.22130E-07	467286.0	3730339.2	508.4	0.00	3.95	1.86	YES
L0001393	0	0.22130E-07	467293.5	3730335.2	509.9	0.00	3.95	1.86	YES
L0001394	0	0.22130E-07	467301.0	3730331.2	511.0	0.00	3.95	1.86	YES
L0001395	0	0.22130E-07	467307.2	3730325.4	511.3	0.00	3.95	1.86	YES
L0001396	0	0.22130E-07	467313.5	3730319.7	511.7	0.00	3.95	1.86	YES
L0001397	0	0.22130E-07	467319.7	3730313.9	512.1	0.00	3.95	1.86	YES
L0001398	0	0.22130E-07	467326.0	3730308.2	512.9	0.00	3.95	1.86	YES
L0001399	0	0.22130E-07	467332.2	3730302.4	514.1	0.00	3.95	1.86	YES
L0001400	0	0.22130E-07	467338.5	3730296.7	515.5	0.00	3.95	1.86	YES
L0001401	0	0.22130E-07	467344.8	3730290.9	517.1	0.00	3.95	1.86	YES
L0001402	0	0.22130E-07	467351.0	3730285.2	518.6	0.00	3.95	1.86	YES
L0001403	0	0.22130E-07	467357.3	3730279.4	519.5	0.00	3.95	1.86	YES
L0001404	0	0.22130E-07	467361.8	3730272.2	519.2	0.00	3.95	1.86	YES
L0001405	0	0.22130E-07	467366.2	3730264.9	518.2	0.00	3.95	1.86	YES
L0001406	0	0.22130E-07	467370.5	3730257.7	517.2	0.00	3.95	1.86	YES
L0001407	0	0.22130E-07	467374.9	3730250.4	516.2	0.00	3.95	1.86	YES
L0001408	0	0.22130E-07	467379.3	3730243.1	514.8	0.00	3.95	1.86	YES
L0001409	0	0.22130E-07	467383.7	3730235.8	512.9	0.00	3.95	1.86	YES
L0001410	0	0.22130E-07	467388.0	3730228.5	511.2	0.00	3.95	1.86	YES
L0001411	0	0.22130E-07	467392.4	3730221.2	509.7	0.00	3.95	1.86	YES
L0001412	0	0.22130E-07	467396.8	3730213.9	508.4	0.00	3.95	1.86	YES
L0001413	0	0.22130E-07	467400.0	3730206.1	506.9	0.00	3.95	1.86	YES
L0001414	0	0.22130E-07	467402.3	3730197.9	505.0	0.00	3.95	1.86	YES
L0001415	0	0.22130E-07	467404.6	3730189.8	503.1	0.00	3.95	1.86	YES
L0001416	0	0.22130E-07	467406.9	3730181.6	501.1	0.00	3.95	1.86	YES
L0001417	0	0.22130E-07	467409.2	3730173.4	499.1	0.00	3.95	1.86	YES
L0001418	0	0.22130E-07	467411.5	3730165.2	497.3	0.00	3.95	1.86	YES
L0001419	0	0.22130E-07	467413.9	3730157.1	495.4	0.00	3.95	1.86	YES
L0001420	0	0.22130E-07	467416.2	3730148.9	493.4	0.00	3.95	1.86	YES
L0001421	0	0.22130E-07	467418.5	3730140.7	491.2	0.00	3.95	1.86	YES
L0001422	0	0.22130E-07	467420.8	3730132.5	488.8	0.00	3.95	1.86	YES
L0001423	0	0.22130E-07	467423.1	3730124.3	486.1	0.00	3.95	1.86	YES
L0001424	0	0.22130E-07	467425.4	3730116.2	483.2	0.00	3.95	1.86	YES
L0001425	0	0.22130E-07	467427.8	3730108.0	480.2	0.00	3.95	1.86	YES
L0001426	0	0.22130E-07	467430.1	3730099.8	477.2	0.00	3.95	1.86	YES
L0001427	0	0.22130E-07	467432.4	3730091.6	474.3	0.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:18:47

PAGE 3
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001428	0	0.22130E-07	467434.6	3730083.4	471.5	0.00	3.95	1.86	YES	
L0001429	0	0.22130E-07	467436.8	3730075.2	468.8	0.00	3.95	1.86	YES	
L0001430	0	0.22130E-07	467439.0	3730067.0	466.2	0.00	3.95	1.86	YES	
L0001431	0	0.22130E-07	467441.2	3730058.8	462.7	0.00	3.95	1.86	YES	
L0001432	0	0.22130E-07	467443.3	3730050.6	458.9	0.00	3.95	1.86	YES	
L0001433	0	0.22130E-07	467445.5	3730042.3	455.1	0.00	3.95	1.86	YES	
L0001434	0	0.22130E-07	467447.7	3730034.1	451.3	0.00	3.95	1.86	YES	
L0001435	0	0.22130E-07	467449.9	3730025.9	447.5	0.00	3.95	1.86	YES	
L0001436	0	0.22130E-07	467452.1	3730017.7	443.7	0.00	3.95	1.86	YES	
L0001437	0	0.22130E-07	467454.3	3730009.5	440.0	0.00	3.95	1.86	YES	
L0001438	0	0.22130E-07	467458.3	3730002.3	437.0	0.00	3.95	1.86	YES	
L0001439	0	0.22130E-07	467464.1	3729996.1	434.8	0.00	3.95	1.86	YES	
L0001440	0	0.22130E-07	467469.9	3729989.9	432.6	0.00	3.95	1.86	YES	

					ResDPM				
L0001441	0	0.22130E-07	467475.8	3729983.7	430.4	0.00	3.95	1.86	YES
L0001442	0	0.22130E-07	467481.6	3729977.5	428.4	0.00	3.95	1.86	YES
L0001443	0	0.22130E-07	467487.4	3729971.3	427.0	0.00	3.95	1.86	YES
L0001444	0	0.22130E-07	467494.2	3729966.4	426.4	0.00	3.95	1.86	YES
L0001445	0	0.22130E-07	467501.6	3729962.1	426.8	0.00	3.95	1.86	YES
L0001446	0	0.22130E-07	467508.9	3729957.9	428.7	0.00	3.95	1.86	YES
L0001447	0	0.22130E-07	467516.3	3729953.7	430.4	0.00	3.95	1.86	YES
L0001448	0	0.22130E-07	467523.7	3729949.4	431.9	0.00	3.95	1.86	YES
L0001449	0	0.22130E-07	467531.1	3729945.2	433.2	0.00	3.95	1.86	YES
L0001450	0	0.22130E-07	467538.4	3729941.0	434.0	0.00	3.95	1.86	YES
L0001451	0	0.22130E-07	467545.8	3729936.7	434.6	0.00	3.95	1.86	YES
L0001452	0	0.22130E-07	467553.2	3729932.5	434.9	0.00	3.95	1.86	YES
L0001453	0	0.22130E-07	467560.4	3729928.0	434.9	0.00	3.95	1.86	YES
L0001454	0	0.22130E-07	467567.0	3729922.6	433.9	0.00	3.95	1.86	YES
L0001455	0	0.22130E-07	467573.6	3729917.3	432.8	0.00	3.95	1.86	YES
L0001456	0	0.22130E-07	467580.2	3729911.9	431.8	0.00	3.95	1.86	YES
L0001457	0	0.22130E-07	467586.8	3729906.6	430.7	0.00	3.95	1.86	YES
L0001458	0	0.22130E-07	467593.4	3729901.2	429.8	0.00	3.95	1.86	YES
L0001459	0	0.22130E-07	467600.0	3729895.9	429.2	0.00	3.95	1.86	YES
L0001460	0	0.22130E-07	467606.6	3729890.5	429.0	0.00	3.95	1.86	YES
L0001461	0	0.22130E-07	467613.2	3729885.1	429.0	0.00	3.95	1.86	YES
L0001462	0	0.22130E-07	467619.8	3729879.8	429.2	0.00	3.95	1.86	YES
L0001463	0	0.22130E-07	467626.4	3729874.4	429.5	0.00	3.95	1.86	YES
L0001464	0	0.22130E-07	467633.0	3729869.1	429.6	0.00	3.95	1.86	YES
L0001465	0	0.22130E-07	467639.2	3729863.4	429.2	0.00	3.95	1.86	YES
L0001466	0	0.22130E-07	467644.9	3729857.0	428.3	0.00	3.95	1.86	YES
L0001467	0	0.22130E-07	467650.6	3729850.7	427.4	0.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:18:47

PAGE 4
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***									
SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE EMISSION RATE SCALAR VARY BY
L0001468	0	0.22130E-07	467656.3	3729844.4	426.2	0.00	3.95	1.86	YES
L0001469	0	0.22130E-07	467662.0	3729838.1	425.1	0.00	3.95	1.86	YES
L0001470	0	0.22130E-07	467667.7	3729831.8	423.9	0.00	3.95	1.86	YES
L0001471	0	0.22130E-07	467673.7	3729825.8	423.0	0.00	3.95	1.86	YES
L0001472	0	0.22130E-07	467679.8	3729819.9	422.8	0.00	3.95	1.86	YES
L0001473	0	0.22130E-07	467685.8	3729813.9	422.4	0.00	3.95	1.86	YES
L0001474	0	0.22130E-07	467691.9	3729808.0	422.0	0.00	3.95	1.86	YES
L0001475	0	0.22130E-07	467698.0	3729802.0	421.7	0.00	3.95	1.86	YES
L0001476	0	0.22130E-07	467704.1	3729796.1	421.3	0.00	3.95	1.86	YES
L0001477	0	0.22130E-07	467710.1	3729790.1	420.9	0.00	3.95	1.86	YES
L0001478	0	0.22130E-07	467716.2	3729784.2	420.1	0.00	3.95	1.86	YES
L0001479	0	0.15480E-06	467256.0	3730355.2	501.5	0.00	3.95	1.86	YES
L0001480	0	0.15480E-06	467263.5	3730351.2	502.9	0.00	3.95	1.86	YES
L0001481	0	0.15480E-06	467271.0	3730347.2	504.8	0.00	3.95	1.86	YES
L0001482	0	0.15480E-06	467278.5	3730343.2	506.6	0.00	3.95	1.86	YES
L0001483	0	0.15480E-06	467286.0	3730339.2	508.4	0.00	3.95	1.86	YES
L0001484	0	0.15480E-06	467293.5	3730335.2	509.9	0.00	3.95	1.86	YES
L0001485	0	0.15480E-06	467301.0	3730331.2	511.0	0.00	3.95	1.86	YES
L0001486	0	0.15480E-06	467307.2	3730325.4	511.3	0.00	3.95	1.86	YES
L0001487	0	0.15480E-06	467313.5	3730319.7	511.7	0.00	3.95	1.86	YES
L0001488	0	0.15480E-06	467319.7	3730313.9	512.1	0.00	3.95	1.86	YES
L0001489	0	0.15480E-06	467326.0	3730308.2	512.9	0.00	3.95	1.86	YES
L0001490	0	0.15480E-06	467332.2	3730302.4	514.1	0.00	3.95	1.86	YES

ResDPM									
L0001491	0	0.15480E-06	467338.5	3730296.7	515.5	0.00	3.95	1.86	YES
L0001492	0	0.15480E-06	467344.8	3730290.9	517.1	0.00	3.95	1.86	YES
L0001493	0	0.15480E-06	467351.0	3730285.2	518.6	0.00	3.95	1.86	YES
L0001494	0	0.15480E-06	467357.3	3730279.4	519.5	0.00	3.95	1.86	YES
L0001495	0	0.15480E-06	467361.8	3730272.2	519.2	0.00	3.95	1.86	YES
L0001496	0	0.15480E-06	467366.2	3730264.9	518.2	0.00	3.95	1.86	YES
L0001497	0	0.15480E-06	467370.5	3730257.7	517.2	0.00	3.95	1.86	YES
L0001498	0	0.15480E-06	467374.9	3730250.4	516.2	0.00	3.95	1.86	YES
L0001499	0	0.15480E-06	467379.3	3730243.1	514.8	0.00	3.95	1.86	YES
L0001500	0	0.15480E-06	467383.7	3730235.8	512.9	0.00	3.95	1.86	YES
L0001501	0	0.15480E-06	467388.0	3730228.5	511.2	0.00	3.95	1.86	YES
L0001502	0	0.15480E-06	467392.4	3730221.2	509.7	0.00	3.95	1.86	YES
L0001503	0	0.15480E-06	467396.8	3730213.9	508.4	0.00	3.95	1.86	YES
L0001504	0	0.15480E-06	467400.0	3730206.1	506.9	0.00	3.95	1.86	YES
L0001505	0	0.15480E-06	467402.3	3730197.9	505.0	0.00	3.95	1.86	YES
L0001506	0	0.15480E-06	467404.6	3730189.8	503.1	0.00	3.95	1.86	YES
L0001507	0	0.15480E-06	467406.9	3730181.6	501.1	0.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***

06/01/16

*** AERMET - VERSION 14134 *** ***

13:18:47

PAGE 5

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001508	0	0.15480E-06	467409.2	3730173.4	499.1	0.00	3.95	1.86	YES	
L0001509	0	0.15480E-06	467411.5	3730165.2	497.3	0.00	3.95	1.86	YES	
L0001510	0	0.15480E-06	467413.9	3730157.1	495.4	0.00	3.95	1.86	YES	
L0001511	0	0.15480E-06	467416.2	3730148.9	493.4	0.00	3.95	1.86	YES	
L0001512	0	0.15480E-06	467418.5	3730140.7	491.2	0.00	3.95	1.86	YES	
L0001513	0	0.15480E-06	467420.8	3730132.5	488.8	0.00	3.95	1.86	YES	
L0001514	0	0.15480E-06	467423.1	3730124.3	486.1	0.00	3.95	1.86	YES	
L0001515	0	0.15480E-06	467425.4	3730116.2	483.2	0.00	3.95	1.86	YES	
L0001516	0	0.15480E-06	467427.8	3730108.0	480.2	0.00	3.95	1.86	YES	
L0001517	0	0.15480E-06	467430.1	3730099.8	477.2	0.00	3.95	1.86	YES	
L0001518	0	0.15480E-06	467432.4	3730091.6	474.3	0.00	3.95	1.86	YES	
L0001519	0	0.15480E-06	467434.6	3730083.4	471.5	0.00	3.95	1.86	YES	
L0001520	0	0.15480E-06	467436.8	3730075.2	468.8	0.00	3.95	1.86	YES	
L0001521	0	0.15480E-06	467439.0	3730067.0	466.2	0.00	3.95	1.86	YES	
L0001522	0	0.15480E-06	467441.2	3730058.8	462.7	0.00	3.95	1.86	YES	
L0001523	0	0.15480E-06	467443.3	3730050.6	458.9	0.00	3.95	1.86	YES	
L0001524	0	0.15480E-06	467445.5	3730042.3	455.1	0.00	3.95	1.86	YES	
L0001525	0	0.15480E-06	467447.7	3730034.1	451.3	0.00	3.95	1.86	YES	
L0001526	0	0.15480E-06	467449.9	3730025.9	447.5	0.00	3.95	1.86	YES	
L0001527	0	0.15480E-06	467452.1	3730017.7	443.7	0.00	3.95	1.86	YES	
L0001528	0	0.15480E-06	467454.3	3730009.5	440.0	0.00	3.95	1.86	YES	
L0001529	0	0.15480E-06	467458.3	3730002.3	437.0	0.00	3.95	1.86	YES	
L0001530	0	0.15480E-06	467464.1	3729996.1	434.8	0.00	3.95	1.86	YES	
L0001531	0	0.15480E-06	467469.9	3729989.9	432.6	0.00	3.95	1.86	YES	
L0001532	0	0.15480E-06	467475.8	3729983.7	430.4	0.00	3.95	1.86	YES	
L0001533	0	0.15480E-06	467481.6	3729977.5	428.4	0.00	3.95	1.86	YES	
L0001534	0	0.15480E-06	467487.4	3729971.3	427.0	0.00	3.95	1.86	YES	
L0001535	0	0.15480E-06	467494.2	3729966.4	426.4	0.00	3.95	1.86	YES	
L0001536	0	0.15480E-06	467501.6	3729962.1	426.8	0.00	3.95	1.86	YES	
L0001537	0	0.15480E-06	467508.9	3729957.9	428.7	0.00	3.95	1.86	YES	
L0001538	0	0.15480E-06	467516.3	3729953.7	430.4	0.00	3.95	1.86	YES	
L0001539	0	0.15480E-06	467523.7	3729949.4	431.9	0.00	3.95	1.86	YES	
L0001540	0	0.15480E-06	467531.1	3729945.2	433.2	0.00	3.95	1.86	YES	

ResDPM

L0001541	0	0.15480E-06	467538.4	3729941.0	434.0	0.00	3.95	1.86	YES
L0001542	0	0.15480E-06	467545.8	3729936.7	434.6	0.00	3.95	1.86	YES
L0001543	0	0.15480E-06	467553.2	3729932.5	434.9	0.00	3.95	1.86	YES
L0001544	0	0.15480E-06	467560.4	3729928.0	434.9	0.00	3.95	1.86	YES
L0001545	0	0.15480E-06	467567.0	3729922.6	433.9	0.00	3.95	1.86	YES
L0001546	0	0.15480E-06	467573.6	3729917.3	432.8	0.00	3.95	1.86	YES
L0001547	0	0.15480E-06	467580.2	3729911.9	431.8	0.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:18:47

PAGE 6
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001548	0	0.15480E-06	467586.8	3729906.6	430.7	0.00	3.95	1.86	YES	
L0001549	0	0.15480E-06	467593.4	3729901.2	429.8	0.00	3.95	1.86	YES	
L0001550	0	0.15480E-06	467600.0	3729895.9	429.2	0.00	3.95	1.86	YES	
L0001551	0	0.15480E-06	467606.6	3729890.5	429.0	0.00	3.95	1.86	YES	
L0001552	0	0.15480E-06	467613.2	3729885.1	429.0	0.00	3.95	1.86	YES	
L0001553	0	0.15480E-06	467619.8	3729879.8	429.2	0.00	3.95	1.86	YES	
L0001554	0	0.15480E-06	467626.4	3729874.4	429.5	0.00	3.95	1.86	YES	
L0001555	0	0.15480E-06	467633.0	3729869.1	429.6	0.00	3.95	1.86	YES	
L0001556	0	0.15480E-06	467639.2	3729863.4	429.2	0.00	3.95	1.86	YES	
L0001557	0	0.15480E-06	467644.9	3729857.0	428.3	0.00	3.95	1.86	YES	
L0001558	0	0.15480E-06	467650.6	3729850.7	427.4	0.00	3.95	1.86	YES	
L0001559	0	0.15480E-06	467656.3	3729844.4	426.2	0.00	3.95	1.86	YES	
L0001560	0	0.15480E-06	467662.0	3729838.1	425.1	0.00	3.95	1.86	YES	
L0001561	0	0.15480E-06	467667.7	3729831.8	423.9	0.00	3.95	1.86	YES	
L0001562	0	0.15480E-06	467673.7	3729825.8	423.0	0.00	3.95	1.86	YES	
L0001563	0	0.15480E-06	467679.8	3729819.9	422.8	0.00	3.95	1.86	YES	
L0001564	0	0.15480E-06	467685.8	3729813.9	422.4	0.00	3.95	1.86	YES	
L0001565	0	0.15480E-06	467691.9	3729808.0	422.0	0.00	3.95	1.86	YES	
L0001566	0	0.15480E-06	467698.0	3729802.0	421.7	0.00	3.95	1.86	YES	
L0001567	0	0.15480E-06	467704.1	3729796.1	421.3	0.00	3.95	1.86	YES	
L0001568	0	0.15480E-06	467710.1	3729790.1	420.9	0.00	3.95	1.86	YES	
L0001569	0	0.15480E-06	467716.2	3729784.2	420.1	0.00	3.95	1.86	YES	
L0001570	0	0.79680E-07	467769.4	3729733.1	414.0	0.00	3.95	1.86	YES	
L0001571	0	0.79680E-07	467761.2	3729735.1	414.0	0.00	3.95	1.86	YES	
L0001572	0	0.79680E-07	467752.9	3729737.0	414.1	0.00	3.95	1.86	YES	
L0001573	0	0.79680E-07	467744.6	3729738.9	414.3	0.00	3.95	1.86	YES	
L0001574	0	0.79680E-07	467736.3	3729740.9	414.5	0.00	3.95	1.86	YES	
L0001575	0	0.79680E-07	467728.0	3729742.8	414.6	0.00	3.95	1.86	YES	
L0001576	0	0.79680E-07	467719.8	3729744.8	414.7	0.00	3.95	1.86	YES	
L0001577	0	0.79680E-07	467712.4	3729749.0	414.9	0.00	3.95	1.86	YES	
L0001578	0	0.79680E-07	467705.1	3729753.3	415.0	0.00	3.95	1.86	YES	
L0001579	0	0.79680E-07	467697.7	3729757.6	414.9	0.00	3.95	1.86	YES	
L0001580	0	0.79680E-07	467690.4	3729761.9	414.6	0.00	3.95	1.86	YES	
L0001581	0	0.79680E-07	467682.9	3729766.0	414.2	0.00	3.95	1.86	YES	
L0001582	0	0.79680E-07	467675.5	3729770.1	414.2	0.00	3.95	1.86	YES	
L0001583	0	0.79680E-07	467668.1	3729774.2	414.1	0.00	3.95	1.86	YES	
L0001584	0	0.79680E-07	467660.7	3729778.4	413.9	0.00	3.95	1.86	YES	
L0001585	0	0.79680E-07	467653.7	3729783.2	413.6	0.00	3.95	1.86	YES	
L0001586	0	0.79680E-07	467645.9	3729786.2	413.1	0.00	3.95	1.86	YES	
L0001587	0	0.79680E-07	467637.6	3729788.0	412.8	0.00	3.95	1.86	YES	

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06/01/16
*** AERMET - VERSION 14134 *** ***

ResDPM

13:18:47

PAGE 7

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001588	0	0.79680E-07	467629.4	3729790.2	412.4	0.00	3.95	1.86	YES	
L0001589	0	0.79680E-07	467621.7	3729793.7	412.1	0.00	3.95	1.86	YES	
L0001590	0	0.79680E-07	467613.9	3729797.2	411.7	0.00	3.95	1.86	YES	
L0001591	0	0.79680E-07	467606.2	3729800.7	411.5	0.00	3.95	1.86	YES	
L0001592	0	0.79680E-07	467598.1	3729802.7	411.2	0.00	3.95	1.86	YES	
L0001593	0	0.79680E-07	467589.6	3729802.9	410.7	0.00	3.95	1.86	YES	
L0001594	0	0.79680E-07	467581.1	3729803.1	410.6	0.00	3.95	1.86	YES	
L0001595	0	0.79680E-07	467572.6	3729803.3	410.6	0.00	3.95	1.86	YES	
L0001596	0	0.79680E-07	467564.1	3729803.6	410.5	0.00	3.95	1.86	YES	
L0001597	0	0.79680E-07	467555.6	3729803.8	410.4	0.00	3.95	1.86	YES	
L0001598	0	0.79680E-07	467547.1	3729804.0	410.0	0.00	3.95	1.86	YES	
L0001599	0	0.79680E-07	467538.6	3729804.2	409.7	0.00	3.95	1.86	YES	
L0001600	0	0.79680E-07	467530.1	3729804.5	409.3	0.00	3.95	1.86	YES	
L0001601	0	0.79680E-07	467521.6	3729804.7	408.1	0.00	3.95	1.86	YES	
L0001602	0	0.79680E-07	467513.1	3729805.0	406.9	0.00	3.95	1.86	YES	
L0001603	0	0.79680E-07	467504.6	3729805.3	405.7	0.00	3.95	1.86	YES	
L0001604	0	0.79680E-07	467496.1	3729805.6	404.7	0.00	3.95	1.86	YES	
L0001605	0	0.79680E-07	467487.6	3729805.9	404.1	0.00	3.95	1.86	YES	
L0001606	0	0.79680E-07	467479.1	3729806.2	403.4	0.00	3.95	1.86	YES	
L0001607	0	0.79680E-07	467470.6	3729806.5	402.7	0.00	3.95	1.86	YES	
L0001608	0	0.79680E-07	467462.1	3729806.8	402.5	0.00	3.95	1.86	YES	
L0001609	0	0.79680E-07	467453.7	3729807.1	402.3	0.00	3.95	1.86	YES	
L0001610	0	0.79680E-07	467445.2	3729807.4	402.1	0.00	3.95	1.86	YES	
L0001611	0	0.79680E-07	467436.8	3729809.0	402.0	0.00	3.95	1.86	YES	
L0001612	0	0.79680E-07	467428.6	3729811.0	401.8	0.00	3.95	1.86	YES	
L0001613	0	0.79680E-07	467420.3	3729813.0	401.6	0.00	3.95	1.86	YES	
L0001614	0	0.79680E-07	467412.1	3729815.1	401.4	0.00	3.95	1.86	YES	
L0001615	0	0.79680E-07	467403.8	3729817.1	401.1	0.00	3.95	1.86	YES	
L0001616	0	0.79680E-07	467395.6	3729819.1	400.8	0.00	3.95	1.86	YES	
L0001617	0	0.79680E-07	467387.3	3729821.1	400.4	0.00	3.95	1.86	YES	
L0001618	0	0.79680E-07	467379.1	3729823.2	400.1	0.00	3.95	1.86	YES	
L0001619	0	0.79680E-07	467370.8	3729825.2	400.0	0.00	3.95	1.86	YES	
L0001620	0	0.79680E-07	467362.5	3729827.2	400.0	0.00	3.95	1.86	YES	
L0001621	0	0.79680E-07	467354.3	3729829.2	399.9	0.00	3.95	1.86	YES	
L0001622	0	0.79680E-07	467346.0	3729831.2	399.7	0.00	3.95	1.86	YES	
L0001623	0	0.79680E-07	467337.8	3729833.3	399.4	0.00	3.95	1.86	YES	
L0001624	0	0.79680E-07	467329.4	3729834.7	399.0	0.00	3.95	1.86	YES	
L0001625	0	0.79680E-07	467321.0	3729835.9	398.7	0.00	3.95	1.86	YES	
L0001626	0	0.79680E-07	467312.6	3729837.1	398.5	0.00	3.95	1.86	YES	
L0001627	0	0.79680E-07	467304.2	3729838.3	398.3	0.00	3.95	1.86	YES	

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***

06/01/16

*** AERMET - VERSION 14134 *** ***

13:18:47

PAGE 8

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

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

L0001628	0	0.79680E-07	467295.7	3729839.5	398.1	0.00	3.95	1.86	YES
L0001629	0	0.79680E-07	467287.3	3729839.0	398.0	0.00	3.95	1.86	YES
L0001630	0	0.79680E-07	467278.8	3729838.5	397.8	0.00	3.95	1.86	YES
L0001631	0	0.79680E-07	467270.3	3729837.9	397.6	0.00	3.95	1.86	YES
L0001632	0	0.79680E-07	467261.8	3729837.4	397.4	0.00	3.95	1.86	YES
L0001633	0	0.79680E-07	467253.3	3729836.9	397.6	0.00	3.95	1.86	YES
L0001634	0	0.79680E-07	467244.8	3729836.3	397.8	0.00	3.95	1.86	YES
L0001635	0	0.79680E-07	467236.4	3729835.8	398.1	0.00	3.95	1.86	YES
L0001636	0	0.79680E-07	467227.9	3729835.3	398.4	0.00	3.95	1.86	YES
L0001637	0	0.79680E-07	467219.4	3729834.8	398.8	0.00	3.95	1.86	YES
L0001638	0	0.79680E-07	467211.1	3729833.0	399.3	0.00	3.95	1.86	YES
L0001639	0	0.79680E-07	467202.9	3729830.8	400.0	0.00	3.95	1.86	YES
L0001640	0	0.79680E-07	467194.7	3729828.7	400.7	0.00	3.95	1.86	YES
L0001641	0	0.79680E-07	467186.4	3729826.5	401.4	0.00	3.95	1.86	YES
L0001642	0	0.79680E-07	467178.2	3729824.4	401.8	0.00	3.95	1.86	YES
L0001643	0	0.79680E-07	467170.0	3729822.2	402.0	0.00	3.95	1.86	YES
L0001644	0	0.79680E-07	467161.8	3729820.1	401.8	0.00	3.95	1.86	YES
L0001645	0	0.79680E-07	467153.5	3729817.9	401.6	0.00	3.95	1.86	YES
L0001646	0	0.79680E-07	467145.3	3729815.8	401.5	0.00	3.95	1.86	YES
L0001647	0	0.79680E-07	467137.1	3729813.6	401.3	0.00	3.95	1.86	YES
L0001648	0	0.79680E-07	467128.9	3729811.5	400.9	0.00	3.95	1.86	YES
L0001649	0	0.79680E-07	467120.7	3729809.3	400.6	0.00	3.95	1.86	YES
L0001650	0	0.79680E-07	467112.4	3729807.2	400.4	0.00	3.95	1.86	YES
L0001651	0	0.79680E-07	467104.2	3729805.0	399.8	0.00	3.95	1.86	YES
L0001652	0	0.79680E-07	467096.0	3729802.9	398.8	0.00	3.95	1.86	YES
L0001653	0	0.79680E-07	467087.7	3729801.1	397.6	0.00	3.95	1.86	YES
L0001654	0	0.79680E-07	467079.4	3729799.3	396.3	0.00	3.95	1.86	YES
L0001655	0	0.79680E-07	467071.1	3729797.5	396.1	0.00	3.95	1.86	YES
L0001656	0	0.79680E-07	467062.8	3729795.6	396.0	0.00	3.95	1.86	YES
L0001657	0	0.79680E-07	467054.5	3729793.8	396.0	0.00	3.95	1.86	YES
L0001658	0	0.79680E-07	467046.2	3729792.0	396.0	0.00	3.95	1.86	YES
L0001659	0	0.79680E-07	467037.9	3729790.2	396.0	0.00	3.95	1.86	YES
L0001660	0	0.79680E-07	467029.6	3729788.3	396.0	0.00	3.95	1.86	YES
L0001661	0	0.79680E-07	467021.3	3729786.5	396.0	0.00	3.95	1.86	YES
L0001662	0	0.79680E-07	467013.0	3729784.7	397.1	0.00	3.95	1.86	YES
L0001663	0	0.79680E-07	467004.6	3729782.9	398.4	0.00	3.95	1.86	YES
L0001664	0	0.79680E-07	466996.3	3729781.1	399.9	0.00	3.95	1.86	YES
L0001665	0	0.79680E-07	466988.0	3729779.2	401.2	0.00	3.95	1.86	YES
L0001666	0	0.79680E-07	466979.7	3729777.4	401.9	0.00	3.95	1.86	YES
L0001667	0	0.79680E-07	466971.4	3729775.6	402.6	0.00	3.95	1.86	YES
*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***									
06/01/16									
*** AERMET - VERSION 14134 *** ***									
13:18:47									

					ResDPM				
L0001674	0	0.79680E-07	466913.4	3729762.6	401.1	0.00	3.95	1.86	YES
L0001675	0	0.79680E-07	466905.1	3729760.5	400.6	0.00	3.95	1.86	YES
L0001676	0	0.79680E-07	466896.9	3729758.3	399.9	0.00	3.95	1.86	YES
L0001677	0	0.79680E-07	466888.7	3729756.2	398.8	0.00	3.95	1.86	YES
L0001678	0	0.79680E-07	466880.5	3729754.1	397.8	0.00	3.95	1.86	YES
L0001679	0	0.79680E-07	466872.2	3729752.0	396.8	0.00	3.95	1.86	YES
L0001680	0	0.79680E-07	466864.0	3729749.9	396.5	0.00	3.95	1.86	YES
L0001681	0	0.79680E-07	466855.8	3729747.7	396.4	0.00	3.95	1.86	YES
L0001682	0	0.79680E-07	466847.5	3729745.6	396.3	0.00	3.95	1.86	YES
L0001683	0	0.79680E-07	466839.3	3729743.5	396.3	0.00	3.95	1.86	YES
L0001684	0	0.79680E-07	466831.1	3729741.4	397.2	0.00	3.95	1.86	YES
L0001685	0	0.79680E-07	466822.8	3729739.2	398.2	0.00	3.95	1.86	YES
L0001686	0	0.79680E-07	466814.6	3729737.1	399.3	0.00	3.95	1.86	YES
L0001687	0	0.79680E-07	466806.4	3729735.0	400.1	0.00	3.95	1.86	YES
L0001688	0	0.79680E-07	466798.1	3729732.9	400.3	0.00	3.95	1.86	YES
L0001689	0	0.79680E-07	466789.9	3729730.8	400.6	0.00	3.95	1.86	YES
L0001690	0	0.79680E-07	466781.7	3729728.6	400.9	0.00	3.95	1.86	YES
L0001691	0	0.79680E-07	466773.5	3729726.5	401.4	0.00	3.95	1.86	YES
L0001692	0	0.79680E-07	466765.2	3729724.4	402.0	0.00	3.95	1.86	YES
L0001693	0	0.79680E-07	466757.0	3729722.3	402.5	0.00	3.95	1.86	YES
L0001694	0	0.79680E-07	466748.8	3729720.1	403.0	0.00	3.95	1.86	YES
L0001695	0	0.79680E-07	466740.5	3729718.0	403.1	0.00	3.95	1.86	YES

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***

06/01/16

*** AERMET - VERSION 14134 *** ***

13:18:47

PAGE 10

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREA SOURCE DATA ***

URBAN	EMISSION RATE	NUMBER	EMISSION RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM	Y-DIM	ORIENT.	INIT.
SOURCE	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF AREA	OF AREA	OF AREA	SZ
SOURCE	SCALAR VARY									
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(DEG.)	(METERS)
BY										

AREA1	0	0.33580E-05	466898.7	3730070.0	400.2	5.00	84.40	84.40	0.00	0.00
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YES

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06/01/16

*** AERMET - VERSION 14134 *** ***

13:18:47

PAGE 11

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER	INIT.	URBAN	EMISSION RATE
ID	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	SZ	SOURCE	SCALAR VARY
	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY

PAREA1	0	0.23635E-08	467190.2	3730371.0	488.2	5.00	72	1.00	YES
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♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***

06/01/16

*** AERMET - VERSION 14134 *** ***

13:18:47

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs							
-----	-----							
DPM	PAREA1	, L0001388	, L0001389	, L0001390	, L0001391	, L0001392	, L0001393	,
L0001394	,							
	L0001395	, L0001396	, L0001397	, L0001398	, L0001399	, L0001400	, L0001401	,
L0001402	,							
	L0001403	, L0001404	, L0001405	, L0001406	, L0001407	, L0001408	, L0001409	,
L0001410	,							
	L0001411	, L0001412	, L0001413	, L0001414	, L0001415	, L0001416	, L0001417	,
L0001418	,							
	L0001419	, L0001420	, L0001421	, L0001422	, L0001423	, L0001424	, L0001425	,
L0001426	,							
	L0001427	, L0001428	, L0001429	, L0001430	, L0001431	, L0001432	, L0001433	,
L0001434	,							
	L0001435	, L0001436	, L0001437	, L0001438	, L0001439	, L0001440	, L0001441	,
L0001442	,							
	L0001443	, L0001444	, L0001445	, L0001446	, L0001447	, L0001448	, L0001449	,
L0001450	,							
	L0001451	, L0001452	, L0001453	, L0001454	, L0001455	, L0001456	, L0001457	,
L0001458	,							
	L0001459	, L0001460	, L0001461	, L0001462	, L0001463	, L0001464	, L0001465	,
L0001466	,							
	L0001467	, L0001468	, L0001469	, L0001470	, L0001471	, L0001472	, L0001473	,
L0001474	,							
	L0001475	, L0001476	, L0001477	, L0001478	, L0001479	, L0001480	, L0001481	,
L0001482	,							
	L0001483	, L0001484	, L0001485	, L0001486	, L0001487	, L0001488	, L0001489	,
L0001490	,							
	L0001491	, L0001492	, L0001493	, L0001494	, L0001495	, L0001496	, L0001497	,
L0001498	,							
	L0001499	, L0001500	, L0001501	, L0001502	, L0001503	, L0001504	, L0001505	,
L0001506	,							
	L0001507	, L0001508	, L0001509	, L0001510	, L0001511	, L0001512	, L0001513	,
L0001514	,							
	L0001515	, L0001516	, L0001517	, L0001518	, L0001519	, L0001520	, L0001521	,
L0001522	,							
	L0001523	, L0001524	, L0001525	, L0001526	, L0001527	, L0001528	, L0001529	,
L0001530	,							
	L0001531	, L0001532	, L0001533	, L0001534	, L0001535	, L0001536	, L0001537	,
L0001538	,							

L0001546 , L0001539 , L0001540 , L0001541 , ResDPM L0001542 , L0001543 , L0001544 , L0001545 ,
 ♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:18:47

PAGE 13
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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L0001554 ,	L0001547 , L0001548 , L0001549 , L0001550 , L0001551 , L0001552 , L0001553 ,
L0001562 ,	L0001555 , L0001556 , L0001557 , L0001558 , L0001559 , L0001560 , L0001561 ,
L0001570 ,	L0001563 , L0001564 , L0001565 , L0001566 , L0001567 , L0001568 , L0001569 ,
L0001578 ,	L0001571 , L0001572 , L0001573 , L0001574 , L0001575 , L0001576 , L0001577 ,
L0001586 ,	L0001579 , L0001580 , L0001581 , L0001582 , L0001583 , L0001584 , L0001585 ,
L0001594 ,	L0001587 , L0001588 , L0001589 , L0001590 , L0001591 , L0001592 , L0001593 ,
L0001602 ,	L0001595 , L0001596 , L0001597 , L0001598 , L0001599 , L0001600 , L0001601 ,
L0001610 ,	L0001603 , L0001604 , L0001605 , L0001606 , L0001607 , L0001608 , L0001609 ,
L0001618 ,	L0001611 , L0001612 , L0001613 , L0001614 , L0001615 , L0001616 , L0001617 ,
L0001626 ,	L0001619 , L0001620 , L0001621 , L0001622 , L0001623 , L0001624 , L0001625 ,
L0001634 ,	L0001627 , L0001628 , L0001629 , L0001630 , L0001631 , L0001632 , L0001633 ,
L0001642 ,	L0001635 , L0001636 , L0001637 , L0001638 , L0001639 , L0001640 , L0001641 ,
L0001650 ,	L0001643 , L0001644 , L0001645 , L0001646 , L0001647 , L0001648 , L0001649 ,
L0001658 ,	L0001651 , L0001652 , L0001653 , L0001654 , L0001655 , L0001656 , L0001657 ,
L0001666 ,	L0001659 , L0001660 , L0001661 , L0001662 , L0001663 , L0001664 , L0001665 ,
L0001674 ,	L0001667 , L0001668 , L0001669 , L0001670 , L0001671 , L0001672 , L0001673 ,
L0001682 ,	L0001675 , L0001676 , L0001677 , L0001678 , L0001679 , L0001680 , L0001681 ,

ResDPM

L0001690 , L0001683 , L0001684 , L0001685 , L0001686 , L0001687 , L0001688 , L0001689 ,
L0001691 , L0001692 , L0001693 , L0001694 , L0001695 ,

BP AREA1 ,
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:18:47 ***

PAGE 14
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
-----	-----
ALL	PAREA1 , L0001388 , L0001389 , L0001390 , L0001391 , L0001392 , L0001393 ,
L0001394	, L0001395 , L0001396 , L0001397 , L0001398 , L0001399 , L0001400 , L0001401 ,
L0001402	, L0001403 , L0001404 , L0001405 , L0001406 , L0001407 , L0001408 , L0001409 ,
L0001410	, L0001411 , L0001412 , L0001413 , L0001414 , L0001415 , L0001416 , L0001417 ,
L0001418	, L0001419 , L0001420 , L0001421 , L0001422 , L0001423 , L0001424 , L0001425 ,
L0001426	, L0001427 , L0001428 , L0001429 , L0001430 , L0001431 , L0001432 , L0001433 ,
L0001434	, L0001435 , L0001436 , L0001437 , L0001438 , L0001439 , L0001440 , L0001441 ,
L0001442	, L0001443 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448 , L0001449 ,
L0001450	, L0001451 , L0001452 , L0001453 , L0001454 , L0001455 , L0001456 , L0001457 ,
L0001458	, L0001459 , L0001460 , L0001461 , L0001462 , L0001463 , L0001464 , L0001465 ,
L0001466	, L0001467 , L0001468 , L0001469 , L0001470 , L0001471 , L0001472 , L0001473 ,
L0001474	, L0001475 , L0001476 , L0001477 , L0001478 , L0001479 , L0001480 , L0001481 ,
L0001482	, L0001483 , L0001484 , L0001485 , L0001486 , L0001487 , L0001488 , L0001489 ,
L0001490	, L0001491 , L0001492 , L0001493 , L0001494 , L0001495 , L0001496 , L0001497 ,
L0001498	, L0001499 , L0001500 , L0001501 , L0001502 , L0001503 , L0001504 , L0001505 ,
L0001506	,

				ResDPM				
L0001514	L0001507	, L0001508	, L0001509	, L0001510	, L0001511	, L0001512	, L0001513	,
L0001522	L0001515	, L0001516	, L0001517	, L0001518	, L0001519	, L0001520	, L0001521	,
L0001530	L0001523	, L0001524	, L0001525	, L0001526	, L0001527	, L0001528	, L0001529	,
L0001538	L0001531	, L0001532	, L0001533	, L0001534	, L0001535	, L0001536	, L0001537	,
L0001546	L0001539	, L0001540	, L0001541	, L0001542	, L0001543	, L0001544	, L0001545	,
♀	*** AERMOD - VERSION 15181 ***	***	C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc					***
	06/01/16							
	*** AERMET - VERSION 14134 ***	***						***
	13:18:47							

PAGE 15
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs							
-----	-----							
L0001554	L0001547	, L0001548	, L0001549	, L0001550	, L0001551	, L0001552	, L0001553	,
L0001562	L0001555	, L0001556	, L0001557	, L0001558	, L0001559	, L0001560	, L0001561	,
L0001570	L0001563	, L0001564	, L0001565	, L0001566	, L0001567	, L0001568	, L0001569	,
L0001578	L0001571	, L0001572	, L0001573	, L0001574	, L0001575	, L0001576	, L0001577	,
L0001586	L0001579	, L0001580	, L0001581	, L0001582	, L0001583	, L0001584	, L0001585	,
L0001594	L0001587	, L0001588	, L0001589	, L0001590	, L0001591	, L0001592	, L0001593	,
L0001602	L0001595	, L0001596	, L0001597	, L0001598	, L0001599	, L0001600	, L0001601	,
L0001610	L0001603	, L0001604	, L0001605	, L0001606	, L0001607	, L0001608	, L0001609	,
L0001618	L0001611	, L0001612	, L0001613	, L0001614	, L0001615	, L0001616	, L0001617	,
L0001626	L0001619	, L0001620	, L0001621	, L0001622	, L0001623	, L0001624	, L0001625	,
L0001634	L0001627	, L0001628	, L0001629	, L0001630	, L0001631	, L0001632	, L0001633	,
L0001642	L0001635	, L0001636	, L0001637	, L0001638	, L0001639	, L0001640	, L0001641	,
L0001650	L0001643	, L0001644	, L0001645	, L0001646	, L0001647	, L0001648	, L0001649	,

ResDPM

L0001658 , L0001651 , L0001652 , L0001653 , L0001654 , L0001655 , L0001656 , L0001657 ,
 L0001666 , L0001659 , L0001660 , L0001661 , L0001662 , L0001663 , L0001664 , L0001665 ,
 L0001674 , L0001667 , L0001668 , L0001669 , L0001670 , L0001671 , L0001672 , L0001673 ,
 L0001682 , L0001675 , L0001676 , L0001677 , L0001678 , L0001679 , L0001680 , L0001681 ,
 L0001690 , L0001683 , L0001684 , L0001685 , L0001686 , L0001687 , L0001688 , L0001689 ,
 ♀ *** AERMOD - VERSION 15181 *** ** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:18:47 ***

PAGE 16
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0001393	2100516. PAREA1	, L0001388 , L0001389 , L0001390 , L0001391 , L0001392 ,
L0001394		
L0001402		, L0001395 , L0001396 , L0001397 , L0001398 , L0001399 , L0001400 , L0001401 ,
L0001410		, L0001403 , L0001404 , L0001405 , L0001406 , L0001407 , L0001408 , L0001409 ,
L0001418		, L0001411 , L0001412 , L0001413 , L0001414 , L0001415 , L0001416 , L0001417 ,
L0001426		, L0001419 , L0001420 , L0001421 , L0001422 , L0001423 , L0001424 , L0001425 ,
L0001434		, L0001427 , L0001428 , L0001429 , L0001430 , L0001431 , L0001432 , L0001433 ,
L0001442		, L0001435 , L0001436 , L0001437 , L0001438 , L0001439 , L0001440 , L0001441 ,
L0001450		, L0001443 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448 , L0001449 ,
L0001458		, L0001451 , L0001452 , L0001453 , L0001454 , L0001455 , L0001456 , L0001457 ,
L0001466		, L0001459 , L0001460 , L0001461 , L0001462 , L0001463 , L0001464 , L0001465 ,
L0001474		, L0001467 , L0001468 , L0001469 , L0001470 , L0001471 , L0001472 , L0001473 ,
		, L0001475 , L0001476 , L0001477 , L0001478 , L0001479 , L0001480 , L0001481 ,

ResDPM

L0001482 ,

L0001483 , L0001484 , L0001485 , L0001486 , L0001487 , L0001488 , L0001489 ,

L0001490 ,

L0001491 , L0001492 , L0001493 , L0001494 , L0001495 , L0001496 , L0001497 ,

L0001498 ,

L0001499 , L0001500 , L0001501 , L0001502 , L0001503 , L0001504 , L0001505 ,

L0001506 ,

L0001507 , L0001508 , L0001509 , L0001510 , L0001511 , L0001512 , L0001513 ,

L0001514 ,

L0001515 , L0001516 , L0001517 , L0001518 , L0001519 , L0001520 , L0001521 ,

L0001522 ,

L0001523 , L0001524 , L0001525 , L0001526 , L0001527 , L0001528 , L0001529 ,

L0001530 ,

L0001531 , L0001532 , L0001533 , L0001534 , L0001535 , L0001536 , L0001537 ,

L0001538 ,

L0001539 , L0001540 , L0001541 , L0001542 , L0001543 , L0001544 , L0001545 ,

L0001546 ,

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***

06/01/16

*** AERMET - VERSION 14134 *** ***

13:18:47

PAGE 17

**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0001547	, L0001548 , L0001549 , L0001550 , L0001551 , L0001552 , L0001553 ,	
L0001554	, L0001555 , L0001556 , L0001557 , L0001558 , L0001559 , L0001560 , L0001561 ,	
L0001562	, L0001563 , L0001564 , L0001565 , L0001566 , L0001567 , L0001568 , L0001569 ,	
L0001570	, L0001571 , L0001572 , L0001573 , L0001574 , L0001575 , L0001576 , L0001577 ,	
L0001578	, L0001579 , L0001580 , L0001581 , L0001582 , L0001583 , L0001584 , L0001585 ,	
L0001586	, L0001587 , L0001588 , L0001589 , L0001590 , L0001591 , L0001592 , L0001593 ,	
L0001594	, L0001595 , L0001596 , L0001597 , L0001598 , L0001599 , L0001600 , L0001601 ,	
L0001602	, L0001603 , L0001604 , L0001605 , L0001606 , L0001607 , L0001608 , L0001609 ,	
L0001610	, L0001611 , L0001612 , L0001613 , L0001614 , L0001615 , L0001616 , L0001617 ,	
L0001618	, , , , , , , ,	

				ResDPM				
L0001626	L0001619	, L0001620	, L0001621	, L0001622	, L0001623	, L0001624	, L0001625	,
L0001634	L0001627	, L0001628	, L0001629	, L0001630	, L0001631	, L0001632	, L0001633	,
L0001642	L0001635	, L0001636	, L0001637	, L0001638	, L0001639	, L0001640	, L0001641	,
L0001650	L0001643	, L0001644	, L0001645	, L0001646	, L0001647	, L0001648	, L0001649	,
L0001658	L0001651	, L0001652	, L0001653	, L0001654	, L0001655	, L0001656	, L0001657	,
L0001666	L0001659	, L0001660	, L0001661	, L0001662	, L0001663	, L0001664	, L0001665	,
L0001674	L0001667	, L0001668	, L0001669	, L0001670	, L0001671	, L0001672	, L0001673	,
L0001682	L0001675	, L0001676	, L0001677	, L0001678	, L0001679	, L0001680	, L0001681	,
L0001690	L0001683	, L0001684	, L0001685	, L0001686	, L0001687	, L0001688	, L0001689	,
	L0001691	, L0001692	, L0001693	, L0001694	, L0001695	, AREA1		
♀ ***	AERMOD - VERSION 15181	***	***	C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc				***
	06/01/16							
	*** AERMET - VERSION 14134	***	***					***
	13:18:47							

PAGE 18

**MODELOPTs: RegDFAULT CONC ELEV URBAN

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

(467691.8, 3729489.4,	409.9,	635.0,	0.0);	(467579.1, 3729454.4,	408.0,	635.0,
0.0);						
(467520.1, 3729393.7,	406.4,	635.0,	0.0);	(467463.7, 3729319.4,	402.9,	635.0,
0.0);						
(467650.0, 3729387.7,	407.4,	635.0,	0.0);	(467709.8, 3729097.2,	398.4,	635.0,
0.0);						
(467824.3, 3728994.7,	397.2,	635.0,	0.0);			

♀ ***	AERMOD - VERSION 15181	***	***	C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc			***
	06/01/16						
	*** AERMET - VERSION 14134	***	***				***
	13:18:47						

PAGE 19

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** 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

ResDPM

1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 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 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 15181 *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:18:47

PAGE 20
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: elsi8.sfc Met Version:
 14134
 Profile file: elsi8.PFL
 Surface format: FREE

Profile format: FREE

Surface station no.: 0 Upper air station no.: 3190
 Name: UNKNOWN Name: UNKNOWN
 Year: 2008 Year: 2008

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																			

- - -																							
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2					
				5.5																			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1					
				5.5																			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1					
				5.5																			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8					
				5.5																			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8					
				5.5																			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8					
				5.5																			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1					
				5.5																			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.54	999.00	999.	-9.0	283.8					
				5.5																			
08	01	01	1	09	27.2	-9.000	-9.000	-9.000	60.	-999.	-99999.0	0.23	1.00	0.33	999.00	999.	-9.0	285.9					
				5.5																			
08	01	01	1	10	74.6	-9.000	-9.000	-9.000	157.	-999.	-99999.0	0.23	1.00	0.25	999.00	999.	-9.0	288.1					
				5.5																			
08	01	01	1	11	107.4	-9.000	-9.000	-9.000	375.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	289.9					
				5.5																			
08	01	01	1	12	122.7	-9.000	-9.000	-9.000	578.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	289.9					
				5.5																			

ResDPM															
08 01 01	1 13	121.3	-9.000	-9.000	-9.000	714.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	291.4
5.5															
08 01 01	1 14	102.1	-9.000	-9.000	-9.000	763.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	292.0
5.5															
08 01 01	1 15	65.8	-9.000	-9.000	-9.000	792.	-999.	-99999.0	0.23	1.00	0.27	999.00	999.	-9.0	291.4
5.5															
08 01 01	1 16	16.0	-9.000	-9.000	-9.000	798.	-999.	-99999.0	0.23	1.00	0.36	999.00	999.	-9.0	290.4
5.5															
08 01 01	1 17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.63	999.00	999.	-9.0	288.8
5.5															
08 01 01	1 18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	287.5
5.5															
08 01 01	1 19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	286.4
5.5															
08 01 01	1 20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	285.4
5.5															
08 01 01	1 21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2
5.5															
08 01 01	1 22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1
5.5															
08 01 01	1 23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1
5.5															
08 01 01	1 24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	282.5
5.5															

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:18:47

PAGE 21

***MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: DPM

INCLUDING SOURCE(S):		PAREA1	L0001388	L0001389	L0001390
L0001391					
	L0001392	L0001393	L0001394	L0001395	L0001396
L0001399					
	L0001400	L0001401	L0001402	L0001403	L0001404
L0001407					
	L0001408	L0001409	L0001410	L0001411	L0001412

. . . ,

*** 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
467691.85	3729489.42	0.00208	467579.06	3729454.38	0.00161
467520.10	3729393.71	0.00124	467463.70	3729319.37	0.00096
467649.98	3729387.73	0.00142	467709.79	3729097.21	0.00073
467824.29	3728994.67	0.00064			

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***

ResDPM

06/01/16

*** AERMET - VERSION 14134 ***
13:18:47

PAGE 22

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: BP

INCLUDING SOURCE(S): AREA1 ,

*** 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
467691.85	3729489.42	0.07621	467579.06	3729454.38	0.10021
467520.10	3729393.71	0.10755	467463.70	3729319.37	0.09980
467649.98	3729387.73	0.08458	467709.79	3729097.21	0.06206
467824.29	3728994.67	0.05143			

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc
06/01/16

*** AERMET - VERSION 14134 ***
13:18:47

PAGE 23

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): PAREA1 , L0001388 , L0001389 , L0001390 ,

L0001391 ,
L0001392 , L0001393 , L0001394 , L0001395 , L0001396 , L0001397 , L0001398 ,
L0001399 ,
L0001400 , L0001401 , L0001402 , L0001403 , L0001404 , L0001405 , L0001406 ,
L0001407 ,
L0001408 , L0001409 , L0001410 , L0001411 , L0001412 , L0001413 , L0001414 ,
. . . ,

*** 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
467691.85	3729489.42	0.07828	467579.06	3729454.38	0.10182
467520.10	3729393.71	0.10879	467463.70	3729319.37	0.10076
467649.98	3729387.73	0.08600	467709.79	3729097.21	0.06279
467824.29	3728994.67	0.05207			

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc
06/01/16

*** AERMET - VERSION 14134 ***
13:18:47

PAGE 24

**MODELOPTs: RegDFAULT CONC ELEV URBAN

ResDPM

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

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

**

NETWORK GROUP ID GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE
DPM	1ST HIGHEST VALUE IS 0.00208 AT (467691.85, 3729489.42, 409.87, 635.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 0.00161 AT (467579.06, 3729454.38, 408.00, 635.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 0.00142 AT (467649.98, 3729387.73, 407.39, 635.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 0.00124 AT (467520.10, 3729393.71, 406.39, 635.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 0.00096 AT (467463.70, 3729319.37, 402.91, 635.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 0.00073 AT (467709.79, 3729097.21, 398.41, 635.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 0.00064 AT (467824.29, 3728994.67, 397.24, 635.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
BP	1ST HIGHEST VALUE IS 0.10755 AT (467520.10, 3729393.71, 406.39, 635.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 0.10021 AT (467579.06, 3729454.38, 408.00, 635.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 0.09980 AT (467463.70, 3729319.37, 402.91, 635.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 0.08458 AT (467649.98, 3729387.73, 407.39, 635.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 0.07621 AT (467691.85, 3729489.42, 409.87, 635.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 0.06206 AT (467709.79, 3729097.21, 398.41, 635.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 0.05143 AT (467824.29, 3728994.67, 397.24, 635.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
ALL	1ST HIGHEST VALUE IS 0.10879 AT (467520.10, 3729393.71, 406.39, 635.00, 0.00)	DC	
	2ND HIGHEST VALUE IS 0.10182 AT (467579.06, 3729454.38, 408.00, 635.00, 0.00)	DC	
	3RD HIGHEST VALUE IS 0.10076 AT (467463.70, 3729319.37, 402.91, 635.00, 0.00)	DC	
	4TH HIGHEST VALUE IS 0.08600 AT (467649.98, 3729387.73, 407.39, 635.00, 0.00)	DC	
	5TH HIGHEST VALUE IS 0.07828 AT (467691.85, 3729489.42, 409.87, 635.00, 0.00)	DC	
	6TH HIGHEST VALUE IS 0.06279 AT (467709.79, 3729097.21, 398.41, 635.00, 0.00)	DC	
	7TH HIGHEST VALUE IS 0.05207 AT (467824.29, 3728994.67, 397.24, 635.00, 0.00)	DC	
	8TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	9TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		
	10TH HIGHEST VALUE IS 0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)		

ResDPM

```

*** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\WorkerDPM\WorkerDPM.isc ***
    06/01/16
*** AERMET - VERSION 14134 *** ***
    13:18:47
***

PAGE 25
**MODELOPTS:  RegDFAULT CONC      ELEV      URBAN

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

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

A Total of          0 Fatal Error Message(s)
A Total of          0 Warning Message(s)
A Total of         1916 Informational Message(s)

A Total of         43848 Hours Were Processed

A Total of          10 Calm Hours Identified

A Total of         1906 Missing Hours Identified ( 4.35 Percent)

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

***** WARNING MESSAGES *****
*** NONE ***

*****
*** AERMOD Finishes Successfully ***
*****

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.1.0
** Lakes Environmental Software Inc.
** Date: 6/1/2016
** File: C:\Users\hqureshi\Desktop\Nichols Mine\9600_Modeling Files\HRA\SchoolDPM\SchoolDPM.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc
  MODELOPT DFAULT CONC
  AVERTIME ANNUAL
  URBANOPT 2100516
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL SchoolDPM.err
CO FINISHED
**

```

** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION PAREA1 AREAPOLY 467190.199 3730371.004 488.240

** DESCRSRC On-Site Equipment

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE1

** DESCRSRC On-Site Idling

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 7.451E-06

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 11

** 467252.240, 3730357.231, 502.79, 0.00, 3.95

** 467301.041, 3730331.128, 509.58, 0.00, 3.95

** 467357.787, 3730278.922, 517.06, 0.00, 3.95

** 467398.643, 3730210.828, 508.31, 0.00, 3.95

** 467432.691, 3730090.528, 475.46, 0.00, 3.95

** 467455.389, 3730005.410, 436.97, 0.00, 3.95

** 467489.436, 3729969.093, 426.89, 0.00, 3.95

** 467558.665, 3729929.371, 429.01, 0.00, 3.95

** 467636.974, 3729865.816, 424.62, 0.00, 3.95

** 467668.751, 3729830.634, 421.78, 0.00, 3.95

** 467720.957, 3729779.563, 415.97, 0.00, 3.95

** -----

LOCATION L0000772 VOLUME 467255.988 3730355.226 501.52

LOCATION L0000773 VOLUME 467263.483 3730351.217 502.88

LOCATION L0000774 VOLUME 467270.978 3730347.208 504.79

LOCATION L0000775 VOLUME 467278.473 3730343.199 506.62

LOCATION L0000776 VOLUME 467285.969 3730339.190 508.40

LOCATION L0000777 VOLUME 467293.464 3730335.181 509.90

LOCATION L0000778 VOLUME 467300.959 3730331.172 511.00

LOCATION L0000779 VOLUME 467307.228 3730325.436 511.31

LOCATION L0000780 VOLUME 467313.483 3730319.681 511.68

LOCATION L0000781 VOLUME 467319.739 3730313.926 512.14

LOCATION L0000782 VOLUME 467325.994 3730308.171 512.86

LOCATION L0000783 VOLUME 467332.250 3730302.416 514.07

LOCATION L0000784 VOLUME 467338.505 3730296.661 515.55

LOCATION L0000785 VOLUME 467344.760 3730290.906 517.11

LOCATION L0000786 VOLUME 467351.016 3730285.151 518.61

LOCATION L0000787 VOLUME 467357.271 3730279.396 519.54

LOCATION L0000788 VOLUME 467361.800 3730272.234 519.18

LOCATION L0000789 VOLUME 467366.173 3730264.945 518.25

LOCATION L0000790 VOLUME 467370.546 3730257.657 517.25

LOCATION L0000791 VOLUME 467374.919 3730250.368 516.18

LOCATION L0000792 VOLUME 467379.292 3730243.079 514.84

LOCATION L0000793 VOLUME 467383.666 3730235.791 512.92

LOCATION L0000794 VOLUME 467388.039 3730228.502 511.18

LOCATION L0000795 VOLUME 467392.412 3730221.213 509.66

LOCATION L0000796 VOLUME 467396.785 3730213.924 508.40

LOCATION L0000797 VOLUME 467399.975 3730206.124 506.88

LOCATION L0000798 VOLUME 467402.289 3730197.945 505.01

LOCATION L0000799 VOLUME 467404.604 3730189.766 503.09

LOCATION L0000800 VOLUME 467406.919 3730181.588 501.11

LOCATION L0000801 VOLUME 467409.234 3730173.409 499.13

LOCATION L0000802 VOLUME 467411.548 3730165.230 497.29

LOCATION L0000803 VOLUME 467413.863 3730157.051 495.44

LOCATION L0000804 VOLUME 467416.178 3730148.873 493.39

LOCATION L0000805 VOLUME 467418.493 3730140.694 491.16

		ResDPM			
LOCATION	L0000806	VOLUME	467420.807	3730132.515	488.76
LOCATION	L0000807	VOLUME	467423.122	3730124.336	486.12
LOCATION	L0000808	VOLUME	467425.437	3730116.158	483.16
LOCATION	L0000809	VOLUME	467427.751	3730107.979	480.19
LOCATION	L0000810	VOLUME	467430.066	3730099.800	477.23
LOCATION	L0000811	VOLUME	467432.381	3730091.621	474.31
LOCATION	L0000812	VOLUME	467434.588	3730083.413	471.49
LOCATION	L0000813	VOLUME	467436.778	3730075.200	468.78
LOCATION	L0000814	VOLUME	467438.968	3730066.987	466.20
LOCATION	L0000815	VOLUME	467441.158	3730058.774	462.66
LOCATION	L0000816	VOLUME	467443.348	3730050.561	458.86
LOCATION	L0000817	VOLUME	467445.538	3730042.348	455.11
LOCATION	L0000818	VOLUME	467447.729	3730034.135	451.34
LOCATION	L0000819	VOLUME	467449.919	3730025.922	447.49
LOCATION	L0000820	VOLUME	467452.109	3730017.709	443.71
LOCATION	L0000821	VOLUME	467454.299	3730009.496	440.02
LOCATION	L0000822	VOLUME	467458.310	3730002.294	437.04
LOCATION	L0000823	VOLUME	467464.123	3729996.093	434.75
LOCATION	L0000824	VOLUME	467469.937	3729989.892	432.61
LOCATION	L0000825	VOLUME	467475.750	3729983.691	430.45
LOCATION	L0000826	VOLUME	467481.564	3729977.490	428.45
LOCATION	L0000827	VOLUME	467487.377	3729971.289	426.98
LOCATION	L0000828	VOLUME	467494.198	3729966.360	426.36
LOCATION	L0000829	VOLUME	467501.570	3729962.130	426.83
LOCATION	L0000830	VOLUME	467508.943	3729957.900	428.74
LOCATION	L0000831	VOLUME	467516.315	3729953.670	430.45
LOCATION	L0000832	VOLUME	467523.688	3729949.440	431.94
LOCATION	L0000833	VOLUME	467531.061	3729945.209	433.18
LOCATION	L0000834	VOLUME	467538.433	3729940.979	433.98
LOCATION	L0000835	VOLUME	467545.806	3729936.749	434.57
LOCATION	L0000836	VOLUME	467553.179	3729932.519	434.95
LOCATION	L0000837	VOLUME	467560.354	3729928.001	434.91
LOCATION	L0000838	VOLUME	467566.953	3729922.644	433.86
LOCATION	L0000839	VOLUME	467573.553	3729917.288	432.82
LOCATION	L0000840	VOLUME	467580.153	3729911.931	431.78
LOCATION	L0000841	VOLUME	467586.753	3729906.575	430.74
LOCATION	L0000842	VOLUME	467593.353	3729901.218	429.82
LOCATION	L0000843	VOLUME	467599.953	3729895.862	429.23
LOCATION	L0000844	VOLUME	467606.553	3729890.506	428.96
LOCATION	L0000845	VOLUME	467613.153	3729885.149	429.01
LOCATION	L0000846	VOLUME	467619.753	3729879.793	429.16
LOCATION	L0000847	VOLUME	467626.352	3729874.436	429.50
LOCATION	L0000848	VOLUME	467632.952	3729869.080	429.60
LOCATION	L0000849	VOLUME	467639.200	3729863.352	429.24
LOCATION	L0000850	VOLUME	467644.897	3729857.044	428.28
LOCATION	L0000851	VOLUME	467650.595	3729850.736	427.39
LOCATION	L0000852	VOLUME	467656.292	3729844.428	426.24
LOCATION	L0000853	VOLUME	467661.989	3729838.120	425.09
LOCATION	L0000854	VOLUME	467667.687	3729831.812	423.94
LOCATION	L0000855	VOLUME	467673.692	3729825.800	422.96
LOCATION	L0000856	VOLUME	467679.768	3729819.856	422.78
LOCATION	L0000857	VOLUME	467685.844	3729813.912	422.40
LOCATION	L0000858	VOLUME	467691.920	3729807.968	422.03
LOCATION	L0000859	VOLUME	467697.997	3729802.024	421.65
LOCATION	L0000860	VOLUME	467704.073	3729796.080	421.27
LOCATION	L0000861	VOLUME	467710.149	3729790.136	420.87
LOCATION	L0000862	VOLUME	467716.225	3729784.192	420.12

** 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 = 8.50

** Configuration = Adjacent

** Emission Rate = 0.00004566

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 11

** 467252.240, 3730357.231, 502.79, 0.00, 3.95
 ** 467301.041, 3730331.128, 509.58, 0.00, 3.95
 ** 467357.787, 3730278.922, 517.06, 0.00, 3.95
 ** 467398.643, 3730210.828, 508.31, 0.00, 3.95
 ** 467432.691, 3730090.528, 475.46, 0.00, 3.95
 ** 467455.389, 3730005.410, 436.97, 0.00, 3.95
 ** 467489.436, 3729969.093, 426.89, 0.00, 3.95
 ** 467558.665, 3729929.371, 429.01, 0.00, 3.95
 ** 467636.974, 3729865.816, 424.62, 0.00, 3.95
 ** 467668.751, 3729830.634, 421.78, 0.00, 3.95
 ** 467720.957, 3729779.563, 415.97, 0.00, 3.95

** -----
 LOCATION L0000863 VOLUME 467255.988 3730355.226 501.52
 LOCATION L0000864 VOLUME 467263.483 3730351.217 502.88
 LOCATION L0000865 VOLUME 467270.978 3730347.208 504.79
 LOCATION L0000866 VOLUME 467278.473 3730343.199 506.62
 LOCATION L0000867 VOLUME 467285.969 3730339.190 508.40
 LOCATION L0000868 VOLUME 467293.464 3730335.181 509.90
 LOCATION L0000869 VOLUME 467300.959 3730331.172 511.00
 LOCATION L0000870 VOLUME 467307.228 3730325.436 511.31
 LOCATION L0000871 VOLUME 467313.483 3730319.681 511.68
 LOCATION L0000872 VOLUME 467319.739 3730313.926 512.14
 LOCATION L0000873 VOLUME 467325.994 3730308.171 512.86
 LOCATION L0000874 VOLUME 467332.250 3730302.416 514.07
 LOCATION L0000875 VOLUME 467338.505 3730296.661 515.55
 LOCATION L0000876 VOLUME 467344.760 3730290.906 517.11
 LOCATION L0000877 VOLUME 467351.016 3730285.151 518.61
 LOCATION L0000878 VOLUME 467357.271 3730279.396 519.54
 LOCATION L0000879 VOLUME 467361.800 3730272.234 519.18
 LOCATION L0000880 VOLUME 467366.173 3730264.945 518.25
 LOCATION L0000881 VOLUME 467370.546 3730257.657 517.25
 LOCATION L0000882 VOLUME 467374.919 3730250.368 516.18
 LOCATION L0000883 VOLUME 467379.292 3730243.079 514.84
 LOCATION L0000884 VOLUME 467383.666 3730235.791 512.92
 LOCATION L0000885 VOLUME 467388.039 3730228.502 511.18
 LOCATION L0000886 VOLUME 467392.412 3730221.213 509.66
 LOCATION L0000887 VOLUME 467396.785 3730213.924 508.40
 LOCATION L0000888 VOLUME 467399.975 3730206.124 506.88
 LOCATION L0000889 VOLUME 467402.289 3730197.945 505.01
 LOCATION L0000890 VOLUME 467404.604 3730189.766 503.09
 LOCATION L0000891 VOLUME 467406.919 3730181.588 501.11
 LOCATION L0000892 VOLUME 467409.234 3730173.409 499.13
 LOCATION L0000893 VOLUME 467411.548 3730165.230 497.29
 LOCATION L0000894 VOLUME 467413.863 3730157.051 495.44
 LOCATION L0000895 VOLUME 467416.178 3730148.873 493.39
 LOCATION L0000896 VOLUME 467418.493 3730140.694 491.16
 LOCATION L0000897 VOLUME 467420.807 3730132.515 488.76
 LOCATION L0000898 VOLUME 467423.122 3730124.336 486.12
 LOCATION L0000899 VOLUME 467425.437 3730116.158 483.16
 LOCATION L0000900 VOLUME 467427.751 3730107.979 480.19
 LOCATION L0000901 VOLUME 467430.066 3730099.800 477.23
 LOCATION L0000902 VOLUME 467432.381 3730091.621 474.31
 LOCATION L0000903 VOLUME 467434.588 3730083.413 471.49
 LOCATION L0000904 VOLUME 467436.778 3730075.200 468.78
 LOCATION L0000905 VOLUME 467438.968 3730066.987 466.20
 LOCATION L0000906 VOLUME 467441.158 3730058.774 462.66
 LOCATION L0000907 VOLUME 467443.348 3730050.561 458.86
 LOCATION L0000908 VOLUME 467445.538 3730042.348 455.11
 LOCATION L0000909 VOLUME 467447.729 3730034.135 451.34
 LOCATION L0000910 VOLUME 467449.919 3730025.922 447.49
 LOCATION L0000911 VOLUME 467452.109 3730017.709 443.71
 LOCATION L0000912 VOLUME 467454.299 3730009.496 440.02
 LOCATION L0000913 VOLUME 467458.310 3730002.294 437.04
 LOCATION L0000914 VOLUME 467464.123 3729996.093 434.75
 LOCATION L0000915 VOLUME 467469.937 3729989.892 432.61

					ResDPM
LOCATION	L0000916	VOLUME	467475.750	3729983.691	430.45
LOCATION	L0000917	VOLUME	467481.564	3729977.490	428.45
LOCATION	L0000918	VOLUME	467487.377	3729971.289	426.98
LOCATION	L0000919	VOLUME	467494.198	3729966.360	426.36
LOCATION	L0000920	VOLUME	467501.570	3729962.130	426.83
LOCATION	L0000921	VOLUME	467508.943	3729957.900	428.74
LOCATION	L0000922	VOLUME	467516.315	3729953.670	430.45
LOCATION	L0000923	VOLUME	467523.688	3729949.440	431.94
LOCATION	L0000924	VOLUME	467531.061	3729945.209	433.18
LOCATION	L0000925	VOLUME	467538.433	3729940.979	433.98
LOCATION	L0000926	VOLUME	467545.806	3729936.749	434.57
LOCATION	L0000927	VOLUME	467553.179	3729932.519	434.95
LOCATION	L0000928	VOLUME	467560.354	3729928.001	434.91
LOCATION	L0000929	VOLUME	467566.953	3729922.644	433.86
LOCATION	L0000930	VOLUME	467573.553	3729917.288	432.82
LOCATION	L0000931	VOLUME	467580.153	3729911.931	431.78
LOCATION	L0000932	VOLUME	467586.753	3729906.575	430.74
LOCATION	L0000933	VOLUME	467593.353	3729901.218	429.82
LOCATION	L0000934	VOLUME	467599.953	3729895.862	429.23
LOCATION	L0000935	VOLUME	467606.553	3729890.506	428.96
LOCATION	L0000936	VOLUME	467613.153	3729885.149	429.01
LOCATION	L0000937	VOLUME	467619.753	3729879.793	429.16
LOCATION	L0000938	VOLUME	467626.352	3729874.436	429.50
LOCATION	L0000939	VOLUME	467632.952	3729869.080	429.60
LOCATION	L0000940	VOLUME	467639.200	3729863.352	429.24
LOCATION	L0000941	VOLUME	467644.897	3729857.044	428.28
LOCATION	L0000942	VOLUME	467650.595	3729850.736	427.39
LOCATION	L0000943	VOLUME	467656.292	3729844.428	426.24
LOCATION	L0000944	VOLUME	467661.989	3729838.120	425.09
LOCATION	L0000945	VOLUME	467667.687	3729831.812	423.94
LOCATION	L0000946	VOLUME	467673.692	3729825.800	422.96
LOCATION	L0000947	VOLUME	467679.768	3729819.856	422.78
LOCATION	L0000948	VOLUME	467685.844	3729813.912	422.40
LOCATION	L0000949	VOLUME	467691.920	3729807.968	422.03
LOCATION	L0000950	VOLUME	467697.997	3729802.024	421.65
LOCATION	L0000951	VOLUME	467704.073	3729796.080	421.27
LOCATION	L0000952	VOLUME	467710.149	3729790.136	420.87
LOCATION	L0000953	VOLUME	467716.225	3729784.192	420.12

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE3

** DESCRSRC Off-Site Travel

** PREFIX

** Length of Side = 8.50

** Configuration = Adjacent

** Emission Rate = 0.0000302

** Vertical Dimension = 4.00

** SZINIT = 1.86

** Nodes = 15

** 467773.569, 3729732.155, 414.00, 0.00, 3.95

** 467719.897, 3729744.702, 413.93, 0.00, 3.95

** 467689.924, 3729762.128, 414.29, 0.00, 3.95

** 467662.042, 3729777.463, 412.74, 0.00, 3.95

** 467650.889, 3729785.131, 413.77, 0.00, 3.95

** 467631.372, 3729789.313, 412.26, 0.00, 3.95

** 467602.096, 3729802.557, 410.47, 0.00, 3.95

** 467522.632, 3729804.648, 408.27, 0.00, 3.95

** 467443.169, 3729807.437, 402.19, 0.00, 3.95

** 467335.127, 3729833.924, 399.47, 0.00, 3.95

** 467295.395, 3729839.501, 398.16, 0.00, 3.95

** 467217.326, 3729834.621, 400.44, 0.00, 3.95

** 467097.434, 3729803.254, 398.97, 0.00, 3.95

** 466919.687, 3729764.220, 401.42, 0.00, 3.95

** 466736.447, 3729716.966, 402.67, 0.00, 3.95

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LOCATION	L0000954	VOLUME	467769.431	3729733.123	414.00
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				ResDPM
LOCATION	L0000955	VOLUME	467761.154	3729735.058 413.99
LOCATION	L0000956	VOLUME	467752.877	3729736.993 414.10
LOCATION	L0000957	VOLUME	467744.600	3729738.927 414.29
LOCATION	L0000958	VOLUME	467736.323	3729740.862 414.47
LOCATION	L0000959	VOLUME	467728.047	3729742.797 414.59
LOCATION	L0000960	VOLUME	467719.784	3729744.768 414.68
LOCATION	L0000961	VOLUME	467712.436	3729749.040 414.91
LOCATION	L0000962	VOLUME	467705.087	3729753.312 414.98
LOCATION	L0000963	VOLUME	467697.739	3729757.585 414.87
LOCATION	L0000964	VOLUME	467690.391	3729761.857 414.62
LOCATION	L0000965	VOLUME	467682.949	3729765.964 414.22
LOCATION	L0000966	VOLUME	467675.501	3729770.061 414.22
LOCATION	L0000967	VOLUME	467668.053	3729774.157 414.10
LOCATION	L0000968	VOLUME	467660.691	3729778.392 413.86
LOCATION	L0000969	VOLUME	467653.687	3729783.208 413.57
LOCATION	L0000970	VOLUME	467645.898	3729786.201 413.14
LOCATION	L0000971	VOLUME	467637.586	3729787.982 412.77
LOCATION	L0000972	VOLUME	467629.418	3729790.197 412.39
LOCATION	L0000973	VOLUME	467621.673	3729793.701 412.05
LOCATION	L0000974	VOLUME	467613.929	3729797.204 411.71
LOCATION	L0000975	VOLUME	467606.185	3729800.707 411.48
LOCATION	L0000976	VOLUME	467598.085	3729802.663 411.16
LOCATION	L0000977	VOLUME	467589.588	3729802.886 410.69
LOCATION	L0000978	VOLUME	467581.091	3729803.110 410.64
LOCATION	L0000979	VOLUME	467572.594	3729803.334 410.59
LOCATION	L0000980	VOLUME	467564.097	3729803.557 410.54
LOCATION	L0000981	VOLUME	467555.600	3729803.781 410.35
LOCATION	L0000982	VOLUME	467547.103	3729804.004 410.00
LOCATION	L0000983	VOLUME	467538.606	3729804.228 409.65
LOCATION	L0000984	VOLUME	467530.109	3729804.452 409.30
LOCATION	L0000985	VOLUME	467521.612	3729804.684 408.14
LOCATION	L0000986	VOLUME	467513.117	3729804.982 406.93
LOCATION	L0000987	VOLUME	467504.622	3729805.280 405.72
LOCATION	L0000988	VOLUME	467496.127	3729805.578 404.73
LOCATION	L0000989	VOLUME	467487.633	3729805.876 404.07
LOCATION	L0000990	VOLUME	467479.138	3729806.174 403.40
LOCATION	L0000991	VOLUME	467470.643	3729806.473 402.73
LOCATION	L0000992	VOLUME	467462.148	3729806.771 402.48
LOCATION	L0000993	VOLUME	467453.654	3729807.069 402.30
LOCATION	L0000994	VOLUME	467445.159	3729807.367 402.11
LOCATION	L0000995	VOLUME	467436.847	3729808.986 401.96
LOCATION	L0000996	VOLUME	467428.592	3729811.010 401.82
LOCATION	L0000997	VOLUME	467420.336	3729813.034 401.64
LOCATION	L0000998	VOLUME	467412.081	3729815.058 401.42
LOCATION	L0000999	VOLUME	467403.825	3729817.082 401.10
LOCATION	L0001000	VOLUME	467395.570	3729819.106 400.76
LOCATION	L0001001	VOLUME	467387.314	3729821.130 400.42
LOCATION	L0001002	VOLUME	467379.059	3729823.154 400.09
LOCATION	L0001003	VOLUME	467370.803	3729825.178 400.02
LOCATION	L0001004	VOLUME	467362.547	3729827.202 399.98
LOCATION	L0001005	VOLUME	467354.292	3729829.226 399.91
LOCATION	L0001006	VOLUME	467346.036	3729831.250 399.71
LOCATION	L0001007	VOLUME	467337.781	3729833.274 399.36
LOCATION	L0001008	VOLUME	467329.415	3729834.726 399.04
LOCATION	L0001009	VOLUME	467320.998	3729835.907 398.72
LOCATION	L0001010	VOLUME	467312.580	3729837.089 398.48
LOCATION	L0001011	VOLUME	467304.163	3729838.270 398.29
LOCATION	L0001012	VOLUME	467295.745	3729839.451 398.11
LOCATION	L0001013	VOLUME	467287.265	3729838.993 397.96
LOCATION	L0001014	VOLUME	467278.781	3729838.462 397.79
LOCATION	L0001015	VOLUME	467270.298	3729837.932 397.61
LOCATION	L0001016	VOLUME	467261.814	3729837.402 397.42
LOCATION	L0001017	VOLUME	467253.331	3729836.872 397.55
LOCATION	L0001018	VOLUME	467244.848	3729836.341 397.82
LOCATION	L0001019	VOLUME	467236.364	3729835.811 398.12
LOCATION	L0001020	VOLUME	467227.881	3729835.281 398.45
LOCATION	L0001021	VOLUME	467219.397	3729834.751 398.80

		ResDPM			
LOCATION	L0001022	VOLUME	467211.110	3729832.995	399.34
LOCATION	L0001023	VOLUME	467202.887	3729830.844	400.03
LOCATION	L0001024	VOLUME	467194.664	3729828.692	400.74
LOCATION	L0001025	VOLUME	467186.441	3729826.541	401.36
LOCATION	L0001026	VOLUME	467178.218	3729824.390	401.82
LOCATION	L0001027	VOLUME	467169.994	3729822.238	402.00
LOCATION	L0001028	VOLUME	467161.771	3729820.087	401.79
LOCATION	L0001029	VOLUME	467153.548	3729817.935	401.61
LOCATION	L0001030	VOLUME	467145.325	3729815.784	401.47
LOCATION	L0001031	VOLUME	467137.101	3729813.632	401.28
LOCATION	L0001032	VOLUME	467128.878	3729811.481	400.94
LOCATION	L0001033	VOLUME	467120.655	3729809.330	400.64
LOCATION	L0001034	VOLUME	467112.432	3729807.178	400.38
LOCATION	L0001035	VOLUME	467104.209	3729805.027	399.77
LOCATION	L0001036	VOLUME	467095.971	3729802.933	398.79
LOCATION	L0001037	VOLUME	467087.669	3729801.110	397.62
LOCATION	L0001038	VOLUME	467079.367	3729799.287	396.32
LOCATION	L0001039	VOLUME	467071.065	3729797.463	396.10
LOCATION	L0001040	VOLUME	467062.763	3729795.640	396.01
LOCATION	L0001041	VOLUME	467054.461	3729793.817	396.02
LOCATION	L0001042	VOLUME	467046.158	3729791.994	396.00
LOCATION	L0001043	VOLUME	467037.856	3729790.171	396.00
LOCATION	L0001044	VOLUME	467029.554	3729788.347	396.00
LOCATION	L0001045	VOLUME	467021.252	3729786.524	396.00
LOCATION	L0001046	VOLUME	467012.950	3729784.701	397.06
LOCATION	L0001047	VOLUME	467004.648	3729782.878	398.43
LOCATION	L0001048	VOLUME	466996.346	3729781.054	399.88
LOCATION	L0001049	VOLUME	466988.043	3729779.231	401.24
LOCATION	L0001050	VOLUME	466979.741	3729777.408	401.95
LOCATION	L0001051	VOLUME	466971.439	3729775.585	402.55
LOCATION	L0001052	VOLUME	466963.137	3729773.762	403.05
LOCATION	L0001053	VOLUME	466954.835	3729771.938	403.01
LOCATION	L0001054	VOLUME	466946.533	3729770.115	402.64
LOCATION	L0001055	VOLUME	466938.230	3729768.292	402.31
LOCATION	L0001056	VOLUME	466929.928	3729766.469	402.01
LOCATION	L0001057	VOLUME	466921.626	3729764.646	401.60
LOCATION	L0001058	VOLUME	466913.379	3729762.593	401.11
LOCATION	L0001059	VOLUME	466905.148	3729760.470	400.63
LOCATION	L0001060	VOLUME	466896.917	3729758.348	399.92
LOCATION	L0001061	VOLUME	466888.686	3729756.225	398.80
LOCATION	L0001062	VOLUME	466880.456	3729754.103	397.76
LOCATION	L0001063	VOLUME	466872.225	3729751.980	396.80
LOCATION	L0001064	VOLUME	466863.994	3729749.858	396.46
LOCATION	L0001065	VOLUME	466855.764	3729747.735	396.39
LOCATION	L0001066	VOLUME	466847.533	3729745.613	396.32
LOCATION	L0001067	VOLUME	466839.302	3729743.490	396.29
LOCATION	L0001068	VOLUME	466831.071	3729741.367	397.22
LOCATION	L0001069	VOLUME	466822.841	3729739.245	398.22
LOCATION	L0001070	VOLUME	466814.610	3729737.122	399.31
LOCATION	L0001071	VOLUME	466806.379	3729735.000	400.08
LOCATION	L0001072	VOLUME	466798.149	3729732.877	400.32
LOCATION	L0001073	VOLUME	466789.918	3729730.755	400.60
LOCATION	L0001074	VOLUME	466781.687	3729728.632	400.91
LOCATION	L0001075	VOLUME	466773.456	3729726.510	401.41
LOCATION	L0001076	VOLUME	466765.226	3729724.387	401.96
LOCATION	L0001077	VOLUME	466756.995	3729722.265	402.51
LOCATION	L0001078	VOLUME	466748.764	3729720.142	403.01
LOCATION	L0001079	VOLUME	466740.533	3729718.019	403.12
** End of LINE VOLUME Source ID = SLINE3					
LOCATION	AREA1	AREA	466898.710	3730070.010	400.230
** DESCRSRC Asphalt Batch Plant					
** Source Parameters **					
SRCPARAM	PAREA1	2.3635E-09	5.000	72	1.000
AREAVERT	PAREA1	467190.199	3730371.004	467293.010	3730368.225
AREAVERT	PAREA1	467329.133	3730364.057	467377.760	3730359.889
AREAVERT	PAREA1	467419.440	3730339.049	467462.509	3730302.926
AREAVERT	PAREA1	467484.739	3730276.529	467494.464	3730261.246

ResDPM

AREAVERT	PAREA1	467506.968	3730237.628	467518.083	3730209.841
AREAVERT	PAREA1	467519.472	3730180.665	467519.472	3730137.595
AREAVERT	PAREA1	467515.304	3730109.808	467513.915	3730094.526
AREAVERT	PAREA1	467515.304	3730073.686	467520.862	3730059.792
AREAVERT	PAREA1	467529.198	3730036.173	467531.976	3730029.227
AREAVERT	PAREA1	467533.366	3730026.448	467543.091	3730013.944
AREAVERT	PAREA1	467548.648	3730006.997	467562.542	3729990.325
AREAVERT	PAREA1	467570.878	3729981.989	467579.214	3729970.874
AREAVERT	PAREA1	467615.337	3729945.866	467625.062	3729934.752
AREAVERT	PAREA1	467634.787	3729930.584	467651.460	3729925.026
AREAVERT	PAREA1	467666.742	3729918.080	467693.140	3729909.743
AREAVERT	PAREA1	467711.201	3729902.797	467745.935	3729895.850
AREAVERT	PAREA1	467770.943	3729886.125	467787.615	3729876.399
AREAVERT	PAREA1	467807.066	3729862.506	467816.791	3729848.613
AREAVERT	PAREA1	467822.348	3729827.772	467826.516	3729816.658
AREAVERT	PAREA1	467823.738	3729788.871	467823.738	3729777.756
AREAVERT	PAREA1	467801.508	3729776.367	467773.721	3729776.367
AREAVERT	PAREA1	467733.431	3729779.146	467676.468	3729780.535
AREAVERT	PAREA1	467615.337	3729793.039	467579.214	3729802.764
AREAVERT	PAREA1	467529.198	3729816.658	467509.747	3729834.719
AREAVERT	PAREA1	467456.952	3729919.469	467347.194	3730005.608
AREAVERT	PAREA1	467372.202	3730107.030	467373.592	3730132.038
AREAVERT	PAREA1	467363.866	3730143.152	467349.973	3730159.825
AREAVERT	PAREA1	467343.026	3730173.718	467334.690	3730190.390
AREAVERT	PAREA1	467326.354	3730205.673	467313.850	3730225.123
AREAVERT	PAREA1	467299.957	3730247.353	467295.789	3730269.582
AREAVERT	PAREA1	467284.674	3730280.697	467281.895	3730295.980
AREAVERT	PAREA1	467280.506	3730304.316	467276.338	3730315.431
AREAVERT	PAREA1	467270.781	3730319.599	467265.223	3730326.545
AREAVERT	PAREA1	467262.445	3730336.271	467256.887	3730340.439
AREAVERT	PAREA1	467252.719	3730344.607	467245.772	3730348.775
AREAVERT	PAREA1	467234.658	3730355.721	467213.818	3730361.279

** LINE VOLUME Source ID = SLINE1

SRCPARAM	L0000772	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000773	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000774	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000775	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000776	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000777	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000778	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000779	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000780	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000781	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000782	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000783	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000784	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000785	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000786	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000787	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000788	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000789	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000790	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000791	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000792	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000793	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000794	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000795	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000796	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000797	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000798	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000799	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000800	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000801	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000802	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000803	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000804	0.00000008188	0.00	3.95	1.86
SRCPARAM	L0000805	0.00000008188	0.00	3.95	1.86

[illegible]

** LINE VOLUME Source ID = SLINE2

SRCPARAM	L0000863	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000864	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000865	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000866	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000867	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000868	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000869	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000870	0.0000005018	0.00	3.95	1.86

[illegible]

				ResDPM	
SRCPARAM	L0000938	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000939	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000940	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000941	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000942	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000943	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000944	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000945	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000946	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000947	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000948	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000949	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000950	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000951	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000952	0.0000005018	0.00	3.95	1.86
SRCPARAM	L0000953	0.0000005018	0.00	3.95	1.86

**

[illegible]

[illegible]

				ResDPM	
SRCPARAM	L0001070	0.0000002397	0.00	3.95	1.86
SRCPARAM	L0001071	0.0000002397	0.00	3.95	1.86
SRCPARAM	L0001072	0.0000002397	0.00	3.95	1.86
SRCPARAM	L0001073	0.0000002397	0.00	3.95	1.86
SRCPARAM	L0001074	0.0000002397	0.00	3.95	1.86
SRCPARAM	L0001075	0.0000002397	0.00	3.95	1.86
SRCPARAM	L0001076	0.0000002397	0.00	3.95	1.86
SRCPARAM	L0001077	0.0000002397	0.00	3.95	1.86
SRCPARAM	L0001078	0.0000002397	0.00	3.95	1.86
SRCPARAM	L0001079	0.0000002397	0.00	3.95	1.86

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SRCPARAM	AREA1	2.3886E-06	5.000	84.396	84.396	0.000
URBANSRC	ALL					

** Variable Emissions Type: "By Hour-of-Day (HROFDY)"

** Variable Emission Scenario: "Scenario 2"

EMISFACT	PAREA1	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	PAREA1	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	PAREA1	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	PAREA1	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000772	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000772	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000772	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000772	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000773	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000773	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000773	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000773	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000774	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000774	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000774	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000774	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000775	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000775	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000775	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000775	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000776	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000776	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000776	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000776	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000777	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000777	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000777	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000777	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000778	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000778	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000778	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000778	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000779	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000779	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000779	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000779	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000780	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000780	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000780	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000780	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000781	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000781	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000781	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000781	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000782	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000782	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000782	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0
EMISFACT	L0000782	HROFDY	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	L0000783	HROFDY	0.0	0.0	0.0	0.0	0.0	1.0
EMISFACT	L0000783	HROFDY	1.0	1.0	1.0	1.0	1.0	1.0
EMISFACT	L0000783	HROFDY	1.0	1.0	1.0	1.0	1.0	0.0

ResDPM

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ResDPM

[illegible]


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                                ResDPM
SRCGROUP DPM      L0000873 L0000874 L0000875 L0000876 L0000877 L0000878
SRCGROUP DPM      L0000879 L0000880 L0000881 L0000882 L0000883 L0000884
SRCGROUP DPM      L0000885 L0000886 L0000887 L0000888 L0000889 L0000890
SRCGROUP DPM      L0000891 L0000892 L0000893 L0000894 L0000895 L0000896
SRCGROUP DPM      L0000897 L0000898 L0000899 L0000900 L0000901 L0000902
SRCGROUP DPM      L0000903 L0000904 L0000905 L0000906 L0000907 L0000908
SRCGROUP DPM      L0000909 L0000910 L0000911 L0000912 L0000913 L0000914
SRCGROUP DPM      L0000915 L0000916 L0000917 L0000918 L0000919 L0000920
SRCGROUP DPM      L0000921 L0000922 L0000923 L0000924 L0000925 L0000926
SRCGROUP DPM      L0000927 L0000928 L0000929 L0000930 L0000931 L0000932
SRCGROUP DPM      L0000933 L0000934 L0000935 L0000936 L0000937 L0000938
SRCGROUP DPM      L0000939 L0000940 L0000941 L0000942 L0000943 L0000944
SRCGROUP DPM      L0000945 L0000946 L0000947 L0000948 L0000949 L0000950
SRCGROUP DPM      L0000951 L0000952 L0000953 L0000954 L0000955 L0000956
SRCGROUP DPM      L0000957 L0000958 L0000959 L0000960 L0000961 L0000962
SRCGROUP DPM      L0000963 L0000964 L0000965 L0000966 L0000967 L0000968
SRCGROUP DPM      L0000969 L0000970 L0000971 L0000972 L0000973 L0000974
SRCGROUP DPM      L0000975 L0000976 L0000977 L0000978 L0000979 L0000980
SRCGROUP DPM      L0000981 L0000982 L0000983 L0000984 L0000985 L0000986
SRCGROUP DPM      L0000987 L0000988 L0000989 L0000990 L0000991 L0000992
SRCGROUP DPM      L0000993 L0000994 L0000995 L0000996 L0000997 L0000998
SRCGROUP DPM      L0000999 L0001000 L0001001 L0001002 L0001003 L0001004
SRCGROUP DPM      L0001005 L0001006 L0001007 L0001008 L0001009 L0001010
SRCGROUP DPM      L0001011 L0001012 L0001013 L0001014 L0001015 L0001016
SRCGROUP DPM      L0001017 L0001018 L0001019 L0001020 L0001021 L0001022
SRCGROUP DPM      L0001023 L0001024 L0001025 L0001026 L0001027 L0001028
SRCGROUP DPM      L0001029 L0001030 L0001031 L0001032 L0001033 L0001034
SRCGROUP DPM      L0001035 L0001036 L0001037 L0001038 L0001039 L0001040
SRCGROUP DPM      L0001041 L0001042 L0001043 L0001044 L0001045 L0001046
SRCGROUP DPM      L0001047 L0001048 L0001049 L0001050 L0001051 L0001052
SRCGROUP DPM      L0001053 L0001054 L0001055 L0001056 L0001057 L0001058
SRCGROUP DPM      L0001059 L0001060 L0001061 L0001062 L0001063 L0001064
SRCGROUP DPM      L0001065 L0001066 L0001067 L0001068 L0001069 L0001070
SRCGROUP DPM      L0001071 L0001072 L0001073 L0001074 L0001075 L0001076
SRCGROUP DPM      L0001077 L0001078 L0001079
SRCGROUP BP      AREA1
SRCGROUP ALL

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SO FINISHED

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** AERMOD Receptor Pathway

**

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RE STARTING

INCLUDED SchoolDPM.rou

RE FINISHED

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** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE elsi8.sfc

PROFFILE elsi8.PFL

SURFDATA 0 2008

UAIRDATA 3190 2008

SITEDATA 99999 2008

PROFBASE 406.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

** Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL SCHOOLDPM.AD\AN00GALL.PLT 31

PLOTFILE ANNUAL DPM SCHOOLDPM.AD\AN00G001.PLT 32

PLOTFILE ANNUAL BP SCHOOLDPM.AD\AN00G002.PLT 33

SUMMFILE SchoolDPM.sum

OU FINISHED

*** SETUP Finishes Successfully ***

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
06/01/16

*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 1

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** MODEL SETUP OPTIONS SUMMARY ***

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

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 310 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2100516.0 ; 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:

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: 310 Source(s); 3 Source Group(s); and 7 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 308 VOLUME source(s)
and: 2 AREA type source(s)
and: 0 LINE source(s)
and: 0 OPENPIT source(s)

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

**The AERMET Input Meteorological Data Version Date: 14134

ResDPM

**Output Options Selected:

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

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 406.00 ; 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 = 4.1 MB of RAM.

**Detailed Error/Message File: SchoolDPM.err

**File for Summary of Results: SchoolDPM.sum

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 2

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000772	0	0.81880E-07	467256.0	3730355.2	501.5	0.00	3.95	1.86	YES	HROFDY
L0000773	0	0.81880E-07	467263.5	3730351.2	502.9	0.00	3.95	1.86	YES	HROFDY
L0000774	0	0.81880E-07	467271.0	3730347.2	504.8	0.00	3.95	1.86	YES	HROFDY
L0000775	0	0.81880E-07	467278.5	3730343.2	506.6	0.00	3.95	1.86	YES	HROFDY
L0000776	0	0.81880E-07	467286.0	3730339.2	508.4	0.00	3.95	1.86	YES	HROFDY
L0000777	0	0.81880E-07	467293.5	3730335.2	509.9	0.00	3.95	1.86	YES	HROFDY
L0000778	0	0.81880E-07	467301.0	3730331.2	511.0	0.00	3.95	1.86	YES	HROFDY
L0000779	0	0.81880E-07	467307.2	3730325.4	511.3	0.00	3.95	1.86	YES	HROFDY
L0000780	0	0.81880E-07	467313.5	3730319.7	511.7	0.00	3.95	1.86	YES	HROFDY
L0000781	0	0.81880E-07	467319.7	3730313.9	512.1	0.00	3.95	1.86	YES	HROFDY
L0000782	0	0.81880E-07	467326.0	3730308.2	512.9	0.00	3.95	1.86	YES	HROFDY
L0000783	0	0.81880E-07	467332.2	3730302.4	514.1	0.00	3.95	1.86	YES	HROFDY
L0000784	0	0.81880E-07	467338.5	3730296.7	515.5	0.00	3.95	1.86	YES	HROFDY
L0000785	0	0.81880E-07	467344.8	3730290.9	517.1	0.00	3.95	1.86	YES	HROFDY
L0000786	0	0.81880E-07	467351.0	3730285.2	518.6	0.00	3.95	1.86	YES	HROFDY
L0000787	0	0.81880E-07	467357.3	3730279.4	519.5	0.00	3.95	1.86	YES	HROFDY
L0000788	0	0.81880E-07	467361.8	3730272.2	519.2	0.00	3.95	1.86	YES	HROFDY
L0000789	0	0.81880E-07	467366.2	3730264.9	518.2	0.00	3.95	1.86	YES	HROFDY
L0000790	0	0.81880E-07	467370.5	3730257.7	517.2	0.00	3.95	1.86	YES	HROFDY
L0000791	0	0.81880E-07	467374.9	3730250.4	516.2	0.00	3.95	1.86	YES	HROFDY
L0000792	0	0.81880E-07	467379.3	3730243.1	514.8	0.00	3.95	1.86	YES	HROFDY
L0000793	0	0.81880E-07	467383.7	3730235.8	512.9	0.00	3.95	1.86	YES	HROFDY
L0000794	0	0.81880E-07	467388.0	3730228.5	511.2	0.00	3.95	1.86	YES	HROFDY
L0000795	0	0.81880E-07	467392.4	3730221.2	509.7	0.00	3.95	1.86	YES	HROFDY
L0000796	0	0.81880E-07	467396.8	3730213.9	508.4	0.00	3.95	1.86	YES	HROFDY
L0000797	0	0.81880E-07	467400.0	3730206.1	506.9	0.00	3.95	1.86	YES	HROFDY
L0000798	0	0.81880E-07	467402.3	3730197.9	505.0	0.00	3.95	1.86	YES	HROFDY
L0000799	0	0.81880E-07	467404.6	3730189.8	503.1	0.00	3.95	1.86	YES	HROFDY
L0000800	0	0.81880E-07	467406.9	3730181.6	501.1	0.00	3.95	1.86	YES	HROFDY

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L0000801	0	0.81880E-07	467409.2	3730173.4	499.1	0.00	3.95	1.86	YES	HROFDY
L0000802	0	0.81880E-07	467411.5	3730165.2	497.3	0.00	3.95	1.86	YES	HROFDY
L0000803	0	0.81880E-07	467413.9	3730157.1	495.4	0.00	3.95	1.86	YES	HROFDY
L0000804	0	0.81880E-07	467416.2	3730148.9	493.4	0.00	3.95	1.86	YES	HROFDY
L0000805	0	0.81880E-07	467418.5	3730140.7	491.2	0.00	3.95	1.86	YES	HROFDY
L0000806	0	0.81880E-07	467420.8	3730132.5	488.8	0.00	3.95	1.86	YES	HROFDY
L0000807	0	0.81880E-07	467423.1	3730124.3	486.1	0.00	3.95	1.86	YES	HROFDY
L0000808	0	0.81880E-07	467425.4	3730116.2	483.2	0.00	3.95	1.86	YES	HROFDY
L0000809	0	0.81880E-07	467427.8	3730108.0	480.2	0.00	3.95	1.86	YES	HROFDY
L0000810	0	0.81880E-07	467430.1	3730099.8	477.2	0.00	3.95	1.86	YES	HROFDY
L0000811	0	0.81880E-07	467432.4	3730091.6	474.3	0.00	3.95	1.86	YES	HROFDY

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
06/01/16

*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 3
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000812	0	0.81880E-07	467434.6	3730083.4	471.5	0.00	3.95	1.86	YES	HROFDY
L0000813	0	0.81880E-07	467436.8	3730075.2	468.8	0.00	3.95	1.86	YES	HROFDY
L0000814	0	0.81880E-07	467439.0	3730067.0	466.2	0.00	3.95	1.86	YES	HROFDY
L0000815	0	0.81880E-07	467441.2	3730058.8	462.7	0.00	3.95	1.86	YES	HROFDY
L0000816	0	0.81880E-07	467443.3	3730050.6	458.9	0.00	3.95	1.86	YES	HROFDY
L0000817	0	0.81880E-07	467445.5	3730042.3	455.1	0.00	3.95	1.86	YES	HROFDY
L0000818	0	0.81880E-07	467447.7	3730034.1	451.3	0.00	3.95	1.86	YES	HROFDY
L0000819	0	0.81880E-07	467449.9	3730025.9	447.5	0.00	3.95	1.86	YES	HROFDY
L0000820	0	0.81880E-07	467452.1	3730017.7	443.7	0.00	3.95	1.86	YES	HROFDY
L0000821	0	0.81880E-07	467454.3	3730009.5	440.0	0.00	3.95	1.86	YES	HROFDY
L0000822	0	0.81880E-07	467458.3	3730002.3	437.0	0.00	3.95	1.86	YES	HROFDY
L0000823	0	0.81880E-07	467464.1	3729996.1	434.8	0.00	3.95	1.86	YES	HROFDY
L0000824	0	0.81880E-07	467469.9	3729989.9	432.6	0.00	3.95	1.86	YES	HROFDY
L0000825	0	0.81880E-07	467475.8	3729983.7	430.4	0.00	3.95	1.86	YES	HROFDY
L0000826	0	0.81880E-07	467481.6	3729977.5	428.4	0.00	3.95	1.86	YES	HROFDY
L0000827	0	0.81880E-07	467487.4	3729971.3	427.0	0.00	3.95	1.86	YES	HROFDY
L0000828	0	0.81880E-07	467494.2	3729966.4	426.4	0.00	3.95	1.86	YES	HROFDY
L0000829	0	0.81880E-07	467501.6	3729962.1	426.8	0.00	3.95	1.86	YES	HROFDY
L0000830	0	0.81880E-07	467508.9	3729957.9	428.7	0.00	3.95	1.86	YES	HROFDY
L0000831	0	0.81880E-07	467516.3	3729953.7	430.4	0.00	3.95	1.86	YES	HROFDY
L0000832	0	0.81880E-07	467523.7	3729949.4	431.9	0.00	3.95	1.86	YES	HROFDY
L0000833	0	0.81880E-07	467531.1	3729945.2	433.2	0.00	3.95	1.86	YES	HROFDY
L0000834	0	0.81880E-07	467538.4	3729941.0	434.0	0.00	3.95	1.86	YES	HROFDY
L0000835	0	0.81880E-07	467545.8	3729936.7	434.6	0.00	3.95	1.86	YES	HROFDY
L0000836	0	0.81880E-07	467553.2	3729932.5	434.9	0.00	3.95	1.86	YES	HROFDY
L0000837	0	0.81880E-07	467560.4	3729928.0	434.9	0.00	3.95	1.86	YES	HROFDY
L0000838	0	0.81880E-07	467567.0	3729922.6	433.9	0.00	3.95	1.86	YES	HROFDY
L0000839	0	0.81880E-07	467573.6	3729917.3	432.8	0.00	3.95	1.86	YES	HROFDY
L0000840	0	0.81880E-07	467580.2	3729911.9	431.8	0.00	3.95	1.86	YES	HROFDY
L0000841	0	0.81880E-07	467586.8	3729906.6	430.7	0.00	3.95	1.86	YES	HROFDY
L0000842	0	0.81880E-07	467593.4	3729901.2	429.8	0.00	3.95	1.86	YES	HROFDY
L0000843	0	0.81880E-07	467600.0	3729895.9	429.2	0.00	3.95	1.86	YES	HROFDY
L0000844	0	0.81880E-07	467606.6	3729890.5	429.0	0.00	3.95	1.86	YES	HROFDY
L0000845	0	0.81880E-07	467613.2	3729885.1	429.0	0.00	3.95	1.86	YES	HROFDY
L0000846	0	0.81880E-07	467619.8	3729879.8	429.2	0.00	3.95	1.86	YES	HROFDY
L0000847	0	0.81880E-07	467626.4	3729874.4	429.5	0.00	3.95	1.86	YES	HROFDY
L0000848	0	0.81880E-07	467633.0	3729869.1	429.6	0.00	3.95	1.86	YES	HROFDY
L0000849	0	0.81880E-07	467639.2	3729863.4	429.2	0.00	3.95	1.86	YES	HROFDY
L0000850	0	0.81880E-07	467644.9	3729857.0	428.3	0.00	3.95	1.86	YES	HROFDY

ResDPM
 L0000851 0 0.81880E-07 467650.6 3729850.7 427.4 0.00 3.95 1.86 YES HROFDY
 *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 4
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000852	0	0.81880E-07	467656.3	3729844.4	426.2	0.00	3.95	1.86	YES	HROFDY
L0000853	0	0.81880E-07	467662.0	3729838.1	425.1	0.00	3.95	1.86	YES	HROFDY
L0000854	0	0.81880E-07	467667.7	3729831.8	423.9	0.00	3.95	1.86	YES	HROFDY
L0000855	0	0.81880E-07	467673.7	3729825.8	423.0	0.00	3.95	1.86	YES	HROFDY
L0000856	0	0.81880E-07	467679.8	3729819.9	422.8	0.00	3.95	1.86	YES	HROFDY
L0000857	0	0.81880E-07	467685.8	3729813.9	422.4	0.00	3.95	1.86	YES	HROFDY
L0000858	0	0.81880E-07	467691.9	3729808.0	422.0	0.00	3.95	1.86	YES	HROFDY
L0000859	0	0.81880E-07	467698.0	3729802.0	421.7	0.00	3.95	1.86	YES	HROFDY
L0000860	0	0.81880E-07	467704.1	3729796.1	421.3	0.00	3.95	1.86	YES	HROFDY
L0000861	0	0.81880E-07	467710.1	3729790.1	420.9	0.00	3.95	1.86	YES	HROFDY
L0000862	0	0.81880E-07	467716.2	3729784.2	420.1	0.00	3.95	1.86	YES	HROFDY
L0000863	0	0.50180E-06	467256.0	3730355.2	501.5	0.00	3.95	1.86	YES	HROFDY
L0000864	0	0.50180E-06	467263.5	3730351.2	502.9	0.00	3.95	1.86	YES	HROFDY
L0000865	0	0.50180E-06	467271.0	3730347.2	504.8	0.00	3.95	1.86	YES	HROFDY
L0000866	0	0.50180E-06	467278.5	3730343.2	506.6	0.00	3.95	1.86	YES	HROFDY
L0000867	0	0.50180E-06	467286.0	3730339.2	508.4	0.00	3.95	1.86	YES	HROFDY
L0000868	0	0.50180E-06	467293.5	3730335.2	509.9	0.00	3.95	1.86	YES	HROFDY
L0000869	0	0.50180E-06	467301.0	3730331.2	511.0	0.00	3.95	1.86	YES	HROFDY
L0000870	0	0.50180E-06	467307.2	3730325.4	511.3	0.00	3.95	1.86	YES	HROFDY
L0000871	0	0.50180E-06	467313.5	3730319.7	511.7	0.00	3.95	1.86	YES	HROFDY
L0000872	0	0.50180E-06	467319.7	3730313.9	512.1	0.00	3.95	1.86	YES	HROFDY
L0000873	0	0.50180E-06	467326.0	3730308.2	512.9	0.00	3.95	1.86	YES	HROFDY
L0000874	0	0.50180E-06	467332.2	3730302.4	514.1	0.00	3.95	1.86	YES	HROFDY
L0000875	0	0.50180E-06	467338.5	3730296.7	515.5	0.00	3.95	1.86	YES	HROFDY
L0000876	0	0.50180E-06	467344.8	3730290.9	517.1	0.00	3.95	1.86	YES	HROFDY
L0000877	0	0.50180E-06	467351.0	3730285.2	518.6	0.00	3.95	1.86	YES	HROFDY
L0000878	0	0.50180E-06	467357.3	3730279.4	519.5	0.00	3.95	1.86	YES	HROFDY
L0000879	0	0.50180E-06	467361.8	3730272.2	519.2	0.00	3.95	1.86	YES	HROFDY
L0000880	0	0.50180E-06	467366.2	3730264.9	518.2	0.00	3.95	1.86	YES	HROFDY
L0000881	0	0.50180E-06	467370.5	3730257.7	517.2	0.00	3.95	1.86	YES	HROFDY
L0000882	0	0.50180E-06	467374.9	3730250.4	516.2	0.00	3.95	1.86	YES	HROFDY
L0000883	0	0.50180E-06	467379.3	3730243.1	514.8	0.00	3.95	1.86	YES	HROFDY
L0000884	0	0.50180E-06	467383.7	3730235.8	512.9	0.00	3.95	1.86	YES	HROFDY
L0000885	0	0.50180E-06	467388.0	3730228.5	511.2	0.00	3.95	1.86	YES	HROFDY
L0000886	0	0.50180E-06	467392.4	3730221.2	509.7	0.00	3.95	1.86	YES	HROFDY
L0000887	0	0.50180E-06	467396.8	3730213.9	508.4	0.00	3.95	1.86	YES	HROFDY
L0000888	0	0.50180E-06	467400.0	3730206.1	506.9	0.00	3.95	1.86	YES	HROFDY
L0000889	0	0.50180E-06	467402.3	3730197.9	505.0	0.00	3.95	1.86	YES	HROFDY
L0000890	0	0.50180E-06	467404.6	3730189.8	503.1	0.00	3.95	1.86	YES	HROFDY
L0000891	0	0.50180E-06	467406.9	3730181.6	501.1	0.00	3.95	1.86	YES	HROFDY

*** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 5
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

ResDPM
*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000892	0	0.50180E-06	467409.2	3730173.4	499.1	0.00	3.95	1.86	YES	HROFDY
L0000893	0	0.50180E-06	467411.5	3730165.2	497.3	0.00	3.95	1.86	YES	HROFDY
L0000894	0	0.50180E-06	467413.9	3730157.1	495.4	0.00	3.95	1.86	YES	HROFDY
L0000895	0	0.50180E-06	467416.2	3730148.9	493.4	0.00	3.95	1.86	YES	HROFDY
L0000896	0	0.50180E-06	467418.5	3730140.7	491.2	0.00	3.95	1.86	YES	HROFDY
L0000897	0	0.50180E-06	467420.8	3730132.5	488.8	0.00	3.95	1.86	YES	HROFDY
L0000898	0	0.50180E-06	467423.1	3730124.3	486.1	0.00	3.95	1.86	YES	HROFDY
L0000899	0	0.50180E-06	467425.4	3730116.2	483.2	0.00	3.95	1.86	YES	HROFDY
L0000900	0	0.50180E-06	467427.8	3730108.0	480.2	0.00	3.95	1.86	YES	HROFDY
L0000901	0	0.50180E-06	467430.1	3730099.8	477.2	0.00	3.95	1.86	YES	HROFDY
L0000902	0	0.50180E-06	467432.4	3730091.6	474.3	0.00	3.95	1.86	YES	HROFDY
L0000903	0	0.50180E-06	467434.6	3730083.4	471.5	0.00	3.95	1.86	YES	HROFDY
L0000904	0	0.50180E-06	467436.8	3730075.2	468.8	0.00	3.95	1.86	YES	HROFDY
L0000905	0	0.50180E-06	467439.0	3730067.0	466.2	0.00	3.95	1.86	YES	HROFDY
L0000906	0	0.50180E-06	467441.2	3730058.8	462.7	0.00	3.95	1.86	YES	HROFDY
L0000907	0	0.50180E-06	467443.3	3730050.6	458.9	0.00	3.95	1.86	YES	HROFDY
L0000908	0	0.50180E-06	467445.5	3730042.3	455.1	0.00	3.95	1.86	YES	HROFDY
L0000909	0	0.50180E-06	467447.7	3730034.1	451.3	0.00	3.95	1.86	YES	HROFDY
L0000910	0	0.50180E-06	467449.9	3730025.9	447.5	0.00	3.95	1.86	YES	HROFDY
L0000911	0	0.50180E-06	467452.1	3730017.7	443.7	0.00	3.95	1.86	YES	HROFDY
L0000912	0	0.50180E-06	467454.3	3730009.5	440.0	0.00	3.95	1.86	YES	HROFDY
L0000913	0	0.50180E-06	467458.3	3730002.3	437.0	0.00	3.95	1.86	YES	HROFDY
L0000914	0	0.50180E-06	467464.1	3729996.1	434.8	0.00	3.95	1.86	YES	HROFDY
L0000915	0	0.50180E-06	467469.9	3729989.9	432.6	0.00	3.95	1.86	YES	HROFDY
L0000916	0	0.50180E-06	467475.8	3729983.7	430.4	0.00	3.95	1.86	YES	HROFDY
L0000917	0	0.50180E-06	467481.6	3729977.5	428.4	0.00	3.95	1.86	YES	HROFDY
L0000918	0	0.50180E-06	467487.4	3729971.3	427.0	0.00	3.95	1.86	YES	HROFDY
L0000919	0	0.50180E-06	467494.2	3729966.4	426.4	0.00	3.95	1.86	YES	HROFDY
L0000920	0	0.50180E-06	467501.6	3729962.1	426.8	0.00	3.95	1.86	YES	HROFDY
L0000921	0	0.50180E-06	467508.9	3729957.9	428.7	0.00	3.95	1.86	YES	HROFDY
L0000922	0	0.50180E-06	467516.3	3729953.7	430.4	0.00	3.95	1.86	YES	HROFDY
L0000923	0	0.50180E-06	467523.7	3729949.4	431.9	0.00	3.95	1.86	YES	HROFDY
L0000924	0	0.50180E-06	467531.1	3729945.2	433.2	0.00	3.95	1.86	YES	HROFDY
L0000925	0	0.50180E-06	467538.4	3729941.0	434.0	0.00	3.95	1.86	YES	HROFDY
L0000926	0	0.50180E-06	467545.8	3729936.7	434.6	0.00	3.95	1.86	YES	HROFDY
L0000927	0	0.50180E-06	467553.2	3729932.5	434.9	0.00	3.95	1.86	YES	HROFDY
L0000928	0	0.50180E-06	467560.4	3729928.0	434.9	0.00	3.95	1.86	YES	HROFDY
L0000929	0	0.50180E-06	467567.0	3729922.6	433.9	0.00	3.95	1.86	YES	HROFDY
L0000930	0	0.50180E-06	467573.6	3729917.3	432.8	0.00	3.95	1.86	YES	HROFDY
L0000931	0	0.50180E-06	467580.2	3729911.9	431.8	0.00	3.95	1.86	YES	HROFDY

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchooldPM\SchooldPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 6
**MODELOPTs: RegDEFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000932	0	0.50180E-06	467586.8	3729906.6	430.7	0.00	3.95	1.86	YES	HROFDY
L0000933	0	0.50180E-06	467593.4	3729901.2	429.8	0.00	3.95	1.86	YES	HROFDY

					ResDPM					
L0000934	0	0.50180E-06	467600.0	3729895.9	429.2	0.00	3.95	1.86	YES	HROFDY
L0000935	0	0.50180E-06	467606.6	3729890.5	429.0	0.00	3.95	1.86	YES	HROFDY
L0000936	0	0.50180E-06	467613.2	3729885.1	429.0	0.00	3.95	1.86	YES	HROFDY
L0000937	0	0.50180E-06	467619.8	3729879.8	429.2	0.00	3.95	1.86	YES	HROFDY
L0000938	0	0.50180E-06	467626.4	3729874.4	429.5	0.00	3.95	1.86	YES	HROFDY
L0000939	0	0.50180E-06	467633.0	3729869.1	429.6	0.00	3.95	1.86	YES	HROFDY
L0000940	0	0.50180E-06	467639.2	3729863.4	429.2	0.00	3.95	1.86	YES	HROFDY
L0000941	0	0.50180E-06	467644.9	3729857.0	428.3	0.00	3.95	1.86	YES	HROFDY
L0000942	0	0.50180E-06	467650.6	3729850.7	427.4	0.00	3.95	1.86	YES	HROFDY
L0000943	0	0.50180E-06	467656.3	3729844.4	426.2	0.00	3.95	1.86	YES	HROFDY
L0000944	0	0.50180E-06	467662.0	3729838.1	425.1	0.00	3.95	1.86	YES	HROFDY
L0000945	0	0.50180E-06	467667.7	3729831.8	423.9	0.00	3.95	1.86	YES	HROFDY
L0000946	0	0.50180E-06	467673.7	3729825.8	423.0	0.00	3.95	1.86	YES	HROFDY
L0000947	0	0.50180E-06	467679.8	3729819.9	422.8	0.00	3.95	1.86	YES	HROFDY
L0000948	0	0.50180E-06	467685.8	3729813.9	422.4	0.00	3.95	1.86	YES	HROFDY
L0000949	0	0.50180E-06	467691.9	3729808.0	422.0	0.00	3.95	1.86	YES	HROFDY
L0000950	0	0.50180E-06	467698.0	3729802.0	421.7	0.00	3.95	1.86	YES	HROFDY
L0000951	0	0.50180E-06	467704.1	3729796.1	421.3	0.00	3.95	1.86	YES	HROFDY
L0000952	0	0.50180E-06	467710.1	3729790.1	420.9	0.00	3.95	1.86	YES	HROFDY
L0000953	0	0.50180E-06	467716.2	3729784.2	420.1	0.00	3.95	1.86	YES	HROFDY
L0000954	0	0.23970E-06	467769.4	3729733.1	414.0	0.00	3.95	1.86	YES	HROFDY
L0000955	0	0.23970E-06	467761.2	3729735.1	414.0	0.00	3.95	1.86	YES	HROFDY
L0000956	0	0.23970E-06	467752.9	3729737.0	414.1	0.00	3.95	1.86	YES	HROFDY
L0000957	0	0.23970E-06	467744.6	3729738.9	414.3	0.00	3.95	1.86	YES	HROFDY
L0000958	0	0.23970E-06	467736.3	3729740.9	414.5	0.00	3.95	1.86	YES	HROFDY
L0000959	0	0.23970E-06	467728.0	3729742.8	414.6	0.00	3.95	1.86	YES	HROFDY
L0000960	0	0.23970E-06	467719.8	3729744.8	414.7	0.00	3.95	1.86	YES	HROFDY
L0000961	0	0.23970E-06	467712.4	3729749.0	414.9	0.00	3.95	1.86	YES	HROFDY
L0000962	0	0.23970E-06	467705.1	3729753.3	415.0	0.00	3.95	1.86	YES	HROFDY
L0000963	0	0.23970E-06	467697.7	3729757.6	414.9	0.00	3.95	1.86	YES	HROFDY
L0000964	0	0.23970E-06	467690.4	3729761.9	414.6	0.00	3.95	1.86	YES	HROFDY
L0000965	0	0.23970E-06	467682.9	3729766.0	414.2	0.00	3.95	1.86	YES	HROFDY
L0000966	0	0.23970E-06	467675.5	3729770.1	414.2	0.00	3.95	1.86	YES	HROFDY
L0000967	0	0.23970E-06	467668.1	3729774.2	414.1	0.00	3.95	1.86	YES	HROFDY
L0000968	0	0.23970E-06	467660.7	3729778.4	413.9	0.00	3.95	1.86	YES	HROFDY
L0000969	0	0.23970E-06	467653.7	3729783.2	413.6	0.00	3.95	1.86	YES	HROFDY
L0000970	0	0.23970E-06	467645.9	3729786.2	413.1	0.00	3.95	1.86	YES	HROFDY
L0000971	0	0.23970E-06	467637.6	3729788.0	412.8	0.00	3.95	1.86	YES	HROFDY

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 7
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000972	0	0.23970E-06	467629.4	3729790.2	412.4	0.00	3.95	1.86	YES	HROFDY
L0000973	0	0.23970E-06	467621.7	3729793.7	412.1	0.00	3.95	1.86	YES	HROFDY
L0000974	0	0.23970E-06	467613.9	3729797.2	411.7	0.00	3.95	1.86	YES	HROFDY
L0000975	0	0.23970E-06	467606.2	3729800.7	411.5	0.00	3.95	1.86	YES	HROFDY
L0000976	0	0.23970E-06	467598.1	3729802.7	411.2	0.00	3.95	1.86	YES	HROFDY
L0000977	0	0.23970E-06	467589.6	3729802.9	410.7	0.00	3.95	1.86	YES	HROFDY
L0000978	0	0.23970E-06	467581.1	3729803.1	410.6	0.00	3.95	1.86	YES	HROFDY
L0000979	0	0.23970E-06	467572.6	3729803.3	410.6	0.00	3.95	1.86	YES	HROFDY
L0000980	0	0.23970E-06	467564.1	3729803.6	410.5	0.00	3.95	1.86	YES	HROFDY
L0000981	0	0.23970E-06	467555.6	3729803.8	410.4	0.00	3.95	1.86	YES	HROFDY
L0000982	0	0.23970E-06	467547.1	3729804.0	410.0	0.00	3.95	1.86	YES	HROFDY
L0000983	0	0.23970E-06	467538.6	3729804.2	409.7	0.00	3.95	1.86	YES	HROFDY

					ResDPM					
L0000984	0	0.23970E-06	467530.1	3729804.5	409.3	0.00	3.95	1.86	YES	HROFDY
L0000985	0	0.23970E-06	467521.6	3729804.7	408.1	0.00	3.95	1.86	YES	HROFDY
L0000986	0	0.23970E-06	467513.1	3729805.0	406.9	0.00	3.95	1.86	YES	HROFDY
L0000987	0	0.23970E-06	467504.6	3729805.3	405.7	0.00	3.95	1.86	YES	HROFDY
L0000988	0	0.23970E-06	467496.1	3729805.6	404.7	0.00	3.95	1.86	YES	HROFDY
L0000989	0	0.23970E-06	467487.6	3729805.9	404.1	0.00	3.95	1.86	YES	HROFDY
L0000990	0	0.23970E-06	467479.1	3729806.2	403.4	0.00	3.95	1.86	YES	HROFDY
L0000991	0	0.23970E-06	467470.6	3729806.5	402.7	0.00	3.95	1.86	YES	HROFDY
L0000992	0	0.23970E-06	467462.1	3729806.8	402.5	0.00	3.95	1.86	YES	HROFDY
L0000993	0	0.23970E-06	467453.7	3729807.1	402.3	0.00	3.95	1.86	YES	HROFDY
L0000994	0	0.23970E-06	467445.2	3729807.4	402.1	0.00	3.95	1.86	YES	HROFDY
L0000995	0	0.23970E-06	467436.8	3729809.0	402.0	0.00	3.95	1.86	YES	HROFDY
L0000996	0	0.23970E-06	467428.6	3729811.0	401.8	0.00	3.95	1.86	YES	HROFDY
L0000997	0	0.23970E-06	467420.3	3729813.0	401.6	0.00	3.95	1.86	YES	HROFDY
L0000998	0	0.23970E-06	467412.1	3729815.1	401.4	0.00	3.95	1.86	YES	HROFDY
L0000999	0	0.23970E-06	467403.8	3729817.1	401.1	0.00	3.95	1.86	YES	HROFDY
L0001000	0	0.23970E-06	467395.6	3729819.1	400.8	0.00	3.95	1.86	YES	HROFDY
L0001001	0	0.23970E-06	467387.3	3729821.1	400.4	0.00	3.95	1.86	YES	HROFDY
L0001002	0	0.23970E-06	467379.1	3729823.2	400.1	0.00	3.95	1.86	YES	HROFDY
L0001003	0	0.23970E-06	467370.8	3729825.2	400.0	0.00	3.95	1.86	YES	HROFDY
L0001004	0	0.23970E-06	467362.5	3729827.2	400.0	0.00	3.95	1.86	YES	HROFDY
L0001005	0	0.23970E-06	467354.3	3729829.2	399.9	0.00	3.95	1.86	YES	HROFDY
L0001006	0	0.23970E-06	467346.0	3729831.2	399.7	0.00	3.95	1.86	YES	HROFDY
L0001007	0	0.23970E-06	467337.8	3729833.3	399.4	0.00	3.95	1.86	YES	HROFDY
L0001008	0	0.23970E-06	467329.4	3729834.7	399.0	0.00	3.95	1.86	YES	HROFDY
L0001009	0	0.23970E-06	467321.0	3729835.9	398.7	0.00	3.95	1.86	YES	HROFDY
L0001010	0	0.23970E-06	467312.6	3729837.1	398.5	0.00	3.95	1.86	YES	HROFDY
L0001011	0	0.23970E-06	467304.2	3729838.3	398.3	0.00	3.95	1.86	YES	HROFDY

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchooldPM\SchooldPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 8
**MODELOPTs: RegDFault CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001012	0	0.23970E-06	467295.7	3729839.5	398.1	0.00	3.95	1.86	YES	HROFDY
L0001013	0	0.23970E-06	467287.3	3729839.0	398.0	0.00	3.95	1.86	YES	HROFDY
L0001014	0	0.23970E-06	467278.8	3729838.5	397.8	0.00	3.95	1.86	YES	HROFDY
L0001015	0	0.23970E-06	467270.3	3729837.9	397.6	0.00	3.95	1.86	YES	HROFDY
L0001016	0	0.23970E-06	467261.8	3729837.4	397.4	0.00	3.95	1.86	YES	HROFDY
L0001017	0	0.23970E-06	467253.3	3729836.9	397.6	0.00	3.95	1.86	YES	HROFDY
L0001018	0	0.23970E-06	467244.8	3729836.3	397.8	0.00	3.95	1.86	YES	HROFDY
L0001019	0	0.23970E-06	467236.4	3729835.8	398.1	0.00	3.95	1.86	YES	HROFDY
L0001020	0	0.23970E-06	467227.9	3729835.3	398.4	0.00	3.95	1.86	YES	HROFDY
L0001021	0	0.23970E-06	467219.4	3729834.8	398.8	0.00	3.95	1.86	YES	HROFDY
L0001022	0	0.23970E-06	467211.1	3729833.0	399.3	0.00	3.95	1.86	YES	HROFDY
L0001023	0	0.23970E-06	467202.9	3729830.8	400.0	0.00	3.95	1.86	YES	HROFDY
L0001024	0	0.23970E-06	467194.7	3729828.7	400.7	0.00	3.95	1.86	YES	HROFDY
L0001025	0	0.23970E-06	467186.4	3729826.5	401.4	0.00	3.95	1.86	YES	HROFDY
L0001026	0	0.23970E-06	467178.2	3729824.4	401.8	0.00	3.95	1.86	YES	HROFDY
L0001027	0	0.23970E-06	467170.0	3729822.2	402.0	0.00	3.95	1.86	YES	HROFDY
L0001028	0	0.23970E-06	467161.8	3729820.1	401.8	0.00	3.95	1.86	YES	HROFDY
L0001029	0	0.23970E-06	467153.5	3729817.9	401.6	0.00	3.95	1.86	YES	HROFDY
L0001030	0	0.23970E-06	467145.3	3729815.8	401.5	0.00	3.95	1.86	YES	HROFDY
L0001031	0	0.23970E-06	467137.1	3729813.6	401.3	0.00	3.95	1.86	YES	HROFDY
L0001032	0	0.23970E-06	467128.9	3729811.5	400.9	0.00	3.95	1.86	YES	HROFDY
L0001033	0	0.23970E-06	467120.7	3729809.3	400.6	0.00	3.95	1.86	YES	HROFDY

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L0001034	0	0.23970E-06	467112.4	3729807.2	400.4	0.00	3.95	1.86	YES HROFDY
L0001035	0	0.23970E-06	467104.2	3729805.0	399.8	0.00	3.95	1.86	YES HROFDY
L0001036	0	0.23970E-06	467096.0	3729802.9	398.8	0.00	3.95	1.86	YES HROFDY
L0001037	0	0.23970E-06	467087.7	3729801.1	397.6	0.00	3.95	1.86	YES HROFDY
L0001038	0	0.23970E-06	467079.4	3729799.3	396.3	0.00	3.95	1.86	YES HROFDY
L0001039	0	0.23970E-06	467071.1	3729797.5	396.1	0.00	3.95	1.86	YES HROFDY
L0001040	0	0.23970E-06	467062.8	3729795.6	396.0	0.00	3.95	1.86	YES HROFDY
L0001041	0	0.23970E-06	467054.5	3729793.8	396.0	0.00	3.95	1.86	YES HROFDY
L0001042	0	0.23970E-06	467046.2	3729792.0	396.0	0.00	3.95	1.86	YES HROFDY
L0001043	0	0.23970E-06	467037.9	3729790.2	396.0	0.00	3.95	1.86	YES HROFDY
L0001044	0	0.23970E-06	467029.6	3729788.3	396.0	0.00	3.95	1.86	YES HROFDY
L0001045	0	0.23970E-06	467021.3	3729786.5	396.0	0.00	3.95	1.86	YES HROFDY
L0001046	0	0.23970E-06	467013.0	3729784.7	397.1	0.00	3.95	1.86	YES HROFDY
L0001047	0	0.23970E-06	467004.6	3729782.9	398.4	0.00	3.95	1.86	YES HROFDY
L0001048	0	0.23970E-06	466996.3	3729781.1	399.9	0.00	3.95	1.86	YES HROFDY
L0001049	0	0.23970E-06	466988.0	3729779.2	401.2	0.00	3.95	1.86	YES HROFDY
L0001050	0	0.23970E-06	466979.7	3729777.4	401.9	0.00	3.95	1.86	YES HROFDY
L0001051	0	0.23970E-06	466971.4	3729775.6	402.6	0.00	3.95	1.86	YES HROFDY

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 9
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0001052	0	0.23970E-06	466963.1	3729773.8	403.1	0.00	3.95	1.86	YES	HROFDY
L0001053	0	0.23970E-06	466954.8	3729771.9	403.0	0.00	3.95	1.86	YES	HROFDY
L0001054	0	0.23970E-06	466946.5	3729770.1	402.6	0.00	3.95	1.86	YES	HROFDY
L0001055	0	0.23970E-06	466938.2	3729768.3	402.3	0.00	3.95	1.86	YES	HROFDY
L0001056	0	0.23970E-06	466929.9	3729766.5	402.0	0.00	3.95	1.86	YES	HROFDY
L0001057	0	0.23970E-06	466921.6	3729764.6	401.6	0.00	3.95	1.86	YES	HROFDY
L0001058	0	0.23970E-06	466913.4	3729762.6	401.1	0.00	3.95	1.86	YES	HROFDY
L0001059	0	0.23970E-06	466905.1	3729760.5	400.6	0.00	3.95	1.86	YES	HROFDY
L0001060	0	0.23970E-06	466896.9	3729758.3	399.9	0.00	3.95	1.86	YES	HROFDY
L0001061	0	0.23970E-06	466888.7	3729756.2	398.8	0.00	3.95	1.86	YES	HROFDY
L0001062	0	0.23970E-06	466880.5	3729754.1	397.8	0.00	3.95	1.86	YES	HROFDY
L0001063	0	0.23970E-06	466872.2	3729752.0	396.8	0.00	3.95	1.86	YES	HROFDY
L0001064	0	0.23970E-06	466864.0	3729749.9	396.5	0.00	3.95	1.86	YES	HROFDY
L0001065	0	0.23970E-06	466855.8	3729747.7	396.4	0.00	3.95	1.86	YES	HROFDY
L0001066	0	0.23970E-06	466847.5	3729745.6	396.3	0.00	3.95	1.86	YES	HROFDY
L0001067	0	0.23970E-06	466839.3	3729743.5	396.3	0.00	3.95	1.86	YES	HROFDY
L0001068	0	0.23970E-06	466831.1	3729741.4	397.2	0.00	3.95	1.86	YES	HROFDY
L0001069	0	0.23970E-06	466822.8	3729739.2	398.2	0.00	3.95	1.86	YES	HROFDY
L0001070	0	0.23970E-06	466814.6	3729737.1	399.3	0.00	3.95	1.86	YES	HROFDY
L0001071	0	0.23970E-06	466806.4	3729735.0	400.1	0.00	3.95	1.86	YES	HROFDY
L0001072	0	0.23970E-06	466798.1	3729732.9	400.3	0.00	3.95	1.86	YES	HROFDY
L0001073	0	0.23970E-06	466789.9	3729730.8	400.6	0.00	3.95	1.86	YES	HROFDY
L0001074	0	0.23970E-06	466781.7	3729728.6	400.9	0.00	3.95	1.86	YES	HROFDY
L0001075	0	0.23970E-06	466773.5	3729726.5	401.4	0.00	3.95	1.86	YES	HROFDY
L0001076	0	0.23970E-06	466765.2	3729724.4	402.0	0.00	3.95	1.86	YES	HROFDY
L0001077	0	0.23970E-06	466757.0	3729722.3	402.5	0.00	3.95	1.86	YES	HROFDY
L0001078	0	0.23970E-06	466748.8	3729720.1	403.0	0.00	3.95	1.86	YES	HROFDY
L0001079	0	0.23970E-06	466740.5	3729718.0	403.1	0.00	3.95	1.86	YES	HROFDY

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

ResDPM

PAGE 10

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREA SOURCE DATA ***

URBAN	EMISSION RATE	NUMBER	EMISSION RATE	COORD (SW CORNER)	BASE	RELEASE	X-DIM	Y-DIM	ORIENT.	INIT.
SOURCE	SCALAR VARY	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF AREA	OF AREA	SZ
ID	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(DEG.)	(METERS)

BY

AREA1 0 0.23886E-05 466898.7 3730070.0 400.2 5.00 84.40 84.40 0.00 0.00

YES HROFDY

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06/01/16

*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 11

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** AREAPOLY SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE	LOCATION OF AREA	BASE	RELEASE	NUMBER	INIT.	URBAN	EMISSION RATE
ID	PART.	(GRAMS/SEC	X	Y	ELEV.	HEIGHT	OF VERTS.	SZ	SCALAR VARY
	CATS.	/METER**2)	(METERS)	(METERS)	(METERS)	(METERS)		(METERS)	BY

PAREA1 0 0.23635E-08 467190.2 3730371.0 488.2 5.00 72 1.00 YES HROFDY

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06/01/16

*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 12

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

DPM	PAREA1	, L0000772	, L0000773	, L0000774	, L0000775	, L0000776	, L0000777	,
L0000778	,							
	L0000779	, L0000780	, L0000781	, L0000782	, L0000783	, L0000784	, L0000785	,
L0000786	,							
	L0000787	, L0000788	, L0000789	, L0000790	, L0000791	, L0000792	, L0000793	,
L0000794	,							
	L0000795	, L0000796	, L0000797	, L0000798	, L0000799	, L0000800	, L0000801	,
L0000802	,							
	L0000803	, L0000804	, L0000805	, L0000806	, L0000807	, L0000808	, L0000809	,
L0000810	,							
	L0000811	, L0000812	, L0000813	, L0000814	, L0000815	, L0000816	, L0000817	,

	ResDPM							
L0000818	,							
		L0000819	, L0000820	, L0000821	, L0000822	, L0000823	, L0000824	, L0000825
L0000826	,							
		L0000827	, L0000828	, L0000829	, L0000830	, L0000831	, L0000832	, L0000833
L0000834	,							
		L0000835	, L0000836	, L0000837	, L0000838	, L0000839	, L0000840	, L0000841
L0000842	,							
		L0000843	, L0000844	, L0000845	, L0000846	, L0000847	, L0000848	, L0000849
L0000850	,							
		L0000851	, L0000852	, L0000853	, L0000854	, L0000855	, L0000856	, L0000857
L0000858	,							
		L0000859	, L0000860	, L0000861	, L0000862	, L0000863	, L0000864	, L0000865
L0000866	,							
		L0000867	, L0000868	, L0000869	, L0000870	, L0000871	, L0000872	, L0000873
L0000874	,							
		L0000875	, L0000876	, L0000877	, L0000878	, L0000879	, L0000880	, L0000881
L0000882	,							
		L0000883	, L0000884	, L0000885	, L0000886	, L0000887	, L0000888	, L0000889
L0000890	,							
		L0000891	, L0000892	, L0000893	, L0000894	, L0000895	, L0000896	, L0000897
L0000898	,							
		L0000899	, L0000900	, L0000901	, L0000902	, L0000903	, L0000904	, L0000905
L0000906	,							
		L0000907	, L0000908	, L0000909	, L0000910	, L0000911	, L0000912	, L0000913
L0000914	,							
		L0000915	, L0000916	, L0000917	, L0000918	, L0000919	, L0000920	, L0000921
L0000922	,							
		L0000923	, L0000924	, L0000925	, L0000926	, L0000927	, L0000928	, L0000929
L0000930	,							
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06/01/16								
*** AERMET - VERSION 14134 *** ***								
13:38:33								

PAGE 13
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,
L0000938	,
	L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 ,
L0000946	,
	L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 ,
L0000954	,

				ResDPM				
L0000962	L0000955	, L0000956	, L0000957	, L0000958	, L0000959	, L0000960	, L0000961	,
L0000970	L0000963	, L0000964	, L0000965	, L0000966	, L0000967	, L0000968	, L0000969	,
L0000978	L0000971	, L0000972	, L0000973	, L0000974	, L0000975	, L0000976	, L0000977	,
L0000986	L0000979	, L0000980	, L0000981	, L0000982	, L0000983	, L0000984	, L0000985	,
L0000994	L0000987	, L0000988	, L0000989	, L0000990	, L0000991	, L0000992	, L0000993	,
L0001002	L0000995	, L0000996	, L0000997	, L0000998	, L0000999	, L0001000	, L0001001	,
L0001010	L0001003	, L0001004	, L0001005	, L0001006	, L0001007	, L0001008	, L0001009	,
L0001018	L0001011	, L0001012	, L0001013	, L0001014	, L0001015	, L0001016	, L0001017	,
L0001026	L0001019	, L0001020	, L0001021	, L0001022	, L0001023	, L0001024	, L0001025	,
L0001034	L0001027	, L0001028	, L0001029	, L0001030	, L0001031	, L0001032	, L0001033	,
L0001042	L0001035	, L0001036	, L0001037	, L0001038	, L0001039	, L0001040	, L0001041	,
L0001050	L0001043	, L0001044	, L0001045	, L0001046	, L0001047	, L0001048	, L0001049	,
L0001058	L0001051	, L0001052	, L0001053	, L0001054	, L0001055	, L0001056	, L0001057	,
L0001066	L0001059	, L0001060	, L0001061	, L0001062	, L0001063	, L0001064	, L0001065	,
L0001074	L0001067	, L0001068	, L0001069	, L0001070	, L0001071	, L0001072	, L0001073	,
	L0001075	, L0001076	, L0001077	, L0001078	, L0001079			

BP AREA1 ,
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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33 ***

PAGE 14
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID				SOURCE IDs				
-----				-----				
ALL	PAREA1	, L0000772	, L0000773	, L0000774	, L0000775	, L0000776	, L0000777	,
L0000778								
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	ResDPM							
L0000786	,							
	L0000787	, L0000788	, L0000789	, L0000790	, L0000791	, L0000792	, L0000793	,
L0000794	,							
	L0000795	, L0000796	, L0000797	, L0000798	, L0000799	, L0000800	, L0000801	,
L0000802	,							
	L0000803	, L0000804	, L0000805	, L0000806	, L0000807	, L0000808	, L0000809	,
L0000810	,							
	L0000811	, L0000812	, L0000813	, L0000814	, L0000815	, L0000816	, L0000817	,
L0000818	,							
	L0000819	, L0000820	, L0000821	, L0000822	, L0000823	, L0000824	, L0000825	,
L0000826	,							
	L0000827	, L0000828	, L0000829	, L0000830	, L0000831	, L0000832	, L0000833	,
L0000834	,							
	L0000835	, L0000836	, L0000837	, L0000838	, L0000839	, L0000840	, L0000841	,
L0000842	,							
	L0000843	, L0000844	, L0000845	, L0000846	, L0000847	, L0000848	, L0000849	,
L0000850	,							
	L0000851	, L0000852	, L0000853	, L0000854	, L0000855	, L0000856	, L0000857	,
L0000858	,							
	L0000859	, L0000860	, L0000861	, L0000862	, L0000863	, L0000864	, L0000865	,
L0000866	,							
	L0000867	, L0000868	, L0000869	, L0000870	, L0000871	, L0000872	, L0000873	,
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	L0000875	, L0000876	, L0000877	, L0000878	, L0000879	, L0000880	, L0000881	,
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	L0000883	, L0000884	, L0000885	, L0000886	, L0000887	, L0000888	, L0000889	,
L0000890	,							
	L0000891	, L0000892	, L0000893	, L0000894	, L0000895	, L0000896	, L0000897	,
L0000898	,							
	L0000899	, L0000900	, L0000901	, L0000902	, L0000903	, L0000904	, L0000905	,
L0000906	,							
	L0000907	, L0000908	, L0000909	, L0000910	, L0000911	, L0000912	, L0000913	,
L0000914	,							
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L0000922	,							
	L0000923	, L0000924	, L0000925	, L0000926	, L0000927	, L0000928	, L0000929	,
L0000930	,							
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	06/01/16							
	*** AERMET - VERSION 14134 *** ***							
	13:38:33							

PAGE 15
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	Page 110

	ResDPM							
-----	-----							
L0000938	L0000931	, L0000932	, L0000933	, L0000934	, L0000935	, L0000936	, L0000937	,
L0000946	L0000939	, L0000940	, L0000941	, L0000942	, L0000943	, L0000944	, L0000945	,
L0000954	L0000947	, L0000948	, L0000949	, L0000950	, L0000951	, L0000952	, L0000953	,
L0000962	L0000955	, L0000956	, L0000957	, L0000958	, L0000959	, L0000960	, L0000961	,
L0000970	L0000963	, L0000964	, L0000965	, L0000966	, L0000967	, L0000968	, L0000969	,
L0000978	L0000971	, L0000972	, L0000973	, L0000974	, L0000975	, L0000976	, L0000977	,
L0000986	L0000979	, L0000980	, L0000981	, L0000982	, L0000983	, L0000984	, L0000985	,
L0000994	L0000987	, L0000988	, L0000989	, L0000990	, L0000991	, L0000992	, L0000993	,
L0001002	L0000995	, L0000996	, L0000997	, L0000998	, L0000999	, L0001000	, L0001001	,
L0001010	L0001003	, L0001004	, L0001005	, L0001006	, L0001007	, L0001008	, L0001009	,
L0001018	L0001011	, L0001012	, L0001013	, L0001014	, L0001015	, L0001016	, L0001017	,
L0001026	L0001019	, L0001020	, L0001021	, L0001022	, L0001023	, L0001024	, L0001025	,
L0001034	L0001027	, L0001028	, L0001029	, L0001030	, L0001031	, L0001032	, L0001033	,
L0001042	L0001035	, L0001036	, L0001037	, L0001038	, L0001039	, L0001040	, L0001041	,
L0001050	L0001043	, L0001044	, L0001045	, L0001046	, L0001047	, L0001048	, L0001049	,
L0001058	L0001051	, L0001052	, L0001053	, L0001054	, L0001055	, L0001056	, L0001057	,
L0001066	L0001059	, L0001060	, L0001061	, L0001062	, L0001063	, L0001064	, L0001065	,
L0001074	L0001067	, L0001068	, L0001069	, L0001070	, L0001071	, L0001072	, L0001073	,
♀ *** AERMOD - VERSION 15181 ***	L0001075	, L0001076	, L0001077	, L0001078	, L0001079	, AREA1		***
06/01/16	C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc							
*** AERMET - VERSION 14134 ***	***							
13:38:33								
PAGE 16								
***MODELOPTs:	RegDFAULT CONC	ELEV	URBAN					

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

URBAN ID -----	URBAN POP -----	SOURCE IDs -----
L0000777 L0000778	2100516. ,	PAREA1 , L0000772 , L0000773 , L0000774 , L0000775 , L0000776 ,
L0000786	, ,	L0000779 , L0000780 , L0000781 , L0000782 , L0000783 , L0000784 , L0000785 ,
L0000794	, ,	L0000787 , L0000788 , L0000789 , L0000790 , L0000791 , L0000792 , L0000793 ,
L0000802	, ,	L0000795 , L0000796 , L0000797 , L0000798 , L0000799 , L0000800 , L0000801 ,
L0000810	, ,	L0000803 , L0000804 , L0000805 , L0000806 , L0000807 , L0000808 , L0000809 ,
L0000818	, ,	L0000811 , L0000812 , L0000813 , L0000814 , L0000815 , L0000816 , L0000817 ,
L0000826	, ,	L0000819 , L0000820 , L0000821 , L0000822 , L0000823 , L0000824 , L0000825 ,
L0000834	, ,	L0000827 , L0000828 , L0000829 , L0000830 , L0000831 , L0000832 , L0000833 ,
L0000842	, ,	L0000835 , L0000836 , L0000837 , L0000838 , L0000839 , L0000840 , L0000841 ,
L0000850	, ,	L0000843 , L0000844 , L0000845 , L0000846 , L0000847 , L0000848 , L0000849 ,
L0000858	, ,	L0000851 , L0000852 , L0000853 , L0000854 , L0000855 , L0000856 , L0000857 ,
L0000866	, ,	L0000859 , L0000860 , L0000861 , L0000862 , L0000863 , L0000864 , L0000865 ,
L0000874	, ,	L0000867 , L0000868 , L0000869 , L0000870 , L0000871 , L0000872 , L0000873 ,
L0000882	, ,	L0000875 , L0000876 , L0000877 , L0000878 , L0000879 , L0000880 , L0000881 ,
L0000890	, ,	L0000883 , L0000884 , L0000885 , L0000886 , L0000887 , L0000888 , L0000889 ,
L0000898	, ,	L0000891 , L0000892 , L0000893 , L0000894 , L0000895 , L0000896 , L0000897 ,
L0000906	, ,	L0000899 , L0000900 , L0000901 , L0000902 , L0000903 , L0000904 , L0000905 ,
L0000914	, ,	L0000907 , L0000908 , L0000909 , L0000910 , L0000911 , L0000912 , L0000913 ,
L0000922	, ,	L0000915 , L0000916 , L0000917 , L0000918 , L0000919 , L0000920 , L0000921 ,
L0000930	, ,	L0000923 , L0000924 , L0000925 , L0000926 , L0000927 , L0000928 , L0000929 ,

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06/01/16
 *** AERMET - VERSION 14134 ***
 13:38:33

PAGE 17
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0000938	L0000931 , L0000932 , L0000933 , L0000934 , L0000935 , L0000936 , L0000937 ,	
L0000946	L0000939 , L0000940 , L0000941 , L0000942 , L0000943 , L0000944 , L0000945 ,	
L0000954	L0000947 , L0000948 , L0000949 , L0000950 , L0000951 , L0000952 , L0000953 ,	
L0000962	L0000955 , L0000956 , L0000957 , L0000958 , L0000959 , L0000960 , L0000961 ,	
L0000970	L0000963 , L0000964 , L0000965 , L0000966 , L0000967 , L0000968 , L0000969 ,	
L0000978	L0000971 , L0000972 , L0000973 , L0000974 , L0000975 , L0000976 , L0000977 ,	
L0000986	L0000979 , L0000980 , L0000981 , L0000982 , L0000983 , L0000984 , L0000985 ,	
L0000994	L0000987 , L0000988 , L0000989 , L0000990 , L0000991 , L0000992 , L0000993 ,	
L0001002	L0000995 , L0000996 , L0000997 , L0000998 , L0000999 , L0001000 , L0001001 ,	
L0001010	L0001003 , L0001004 , L0001005 , L0001006 , L0001007 , L0001008 , L0001009 ,	
L0001018	L0001011 , L0001012 , L0001013 , L0001014 , L0001015 , L0001016 , L0001017 ,	
L0001026	L0001019 , L0001020 , L0001021 , L0001022 , L0001023 , L0001024 , L0001025 ,	
L0001034	L0001027 , L0001028 , L0001029 , L0001030 , L0001031 , L0001032 , L0001033 ,	
L0001042	L0001035 , L0001036 , L0001037 , L0001038 , L0001039 , L0001040 , L0001041 ,	
L0001050	L0001043 , L0001044 , L0001045 , L0001046 , L0001047 , L0001048 , L0001049 ,	
L0001058	L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 , L0001057 ,	
L0001066	L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 , L0001065 ,	
L0001074	L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 , L0001073 ,	

ResDPM

L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , AREA1 ,
 *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 18
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
SOURCE ID = L0000772 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
SOURCE ID = L0000773 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
SOURCE ID = L0000774 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
SOURCE ID = L0000775 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	

				ResDPM						
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 19
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -
- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -

SOURCE ID = L0000776 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000777 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000778 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000779 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000780 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	

ResDPM

.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 20
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

SOURCE ID = L0000781		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000782		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000783		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000784		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

ResDPM

SOURCE ID = L0000785 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 21
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---

SOURCE ID = L0000786 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000787 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000788 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000789 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00

19 .00000E+00 20 .00000E+00 21 ResDPM .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000790 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 22
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = L0000791 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000792 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000793 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000794 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12

ResDPM

.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000795		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 ***
 13:38:33 ***

PAGE 23
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										

SOURCE ID = L0000796		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000797		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000798		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000799 ; SOURCE TYPE = VOLUME :

				ResDPM					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

SOURCE ID = L0000800		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 24
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = L0000801		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

SOURCE ID = L0000802		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

SOURCE ID = L0000803		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

ResDPM

SOURCE ID = L0000804 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000805 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 25
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR											
- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -	
- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -	

SOURCE ID = L0000806 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000807 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000808 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18

ResDPM
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000809 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000810 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

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06/01/16
*** AERMET - VERSION 14134 ***
13:38:33 ***

PAGE 26
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
------	--------	------	--------	------	--------	------	--------	------	--------	------

SCALAR

SOURCE ID = L0000811 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000812 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000813 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01

				ResDPM						
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000814 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000815 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 27
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
-----		-----		-----		-----		-----		-----	
-----		-----		-----		-----		-----		-----	

SOURCE ID = L0000816 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000817 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

ResDPM

SOURCE ID = L0000818		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

SOURCE ID = L0000819		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

SOURCE ID = L0000820		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 28
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

SOURCE ID = L0000821		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

SOURCE ID = L0000822		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00

ResDPM

.00000E+00

SOURCE ID = L0000823 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000824 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000825 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 29
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

 - - - - -

SOURCE ID = L0000826 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000827 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01

				ResDPM						
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000828		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000829		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000830		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchooldPM\SchooldPM.isc ***
06/01/16
*** AERMET - VERSION 14134 ***
13:38:33

PAGE 30
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										

SOURCE ID = L0000831		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000832		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6

ResDPM

.10000E+01	7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00	19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24

SOURCE ID = L0000833	; SOURCE TYPE = VOLUME		:				
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6		
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12	
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18	
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24	

SOURCE ID = L0000834	; SOURCE TYPE = VOLUME		:				
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6		
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12	
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18	
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24	

SOURCE ID = L0000835	; SOURCE TYPE = VOLUME		:				
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6		
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12	
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18	
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24	

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 31
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
- - - - -										

SOURCE ID = L0000836	; SOURCE TYPE = VOLUME		:				
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6		
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12	
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18	
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24	

ResDPM

SOURCE ID = L0000837 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000838 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000839 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000840 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 32
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

SOURCE ID = L0000841 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00

19 .00000E+00 20 .00000E+00 21 ResDPM .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000842 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000843 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000844 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000845 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

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06/01/16

*** AERMET - VERSION 14134 ***
13:38:33 ***

PAGE 33
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

SOURCE ID = L0000846 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12

ResDPM

.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000847	; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000848	; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000849	; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000850	; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 34
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										

SOURCE ID = L0000851 ; SOURCE TYPE = VOLUME :

				ResDPM							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000852		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000853		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000854		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000855		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 35
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

ResDPM

SOURCE ID = L0000856 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000857 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000858 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000859 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000860 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

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 06/01/16

*** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 36
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

SCALAR

ResDPM

SOURCE ID = L0000861 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000862 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000863 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000864 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000865 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 37
**MODELOPTs: RegDFAULT CONC ELEV URBAN

ResDPM
* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR SCALAR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
----------------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = L0000866 ; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000867 ; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000868 ; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000869 ; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000870 ; SOURCE TYPE = VOLUME :										
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

**MODELOPTs: RegDEFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
------	--------	------	--------	------	--------	------	--------	------	--------	------

SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

SOURCE ID = L0000871 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000872 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000873 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000874 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000875 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

*** AERMET - VERSION 14134 ***
13:38:33

PAGE 39

**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR											

SOURCE ID = L0000876 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000877 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000878 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000879 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000880 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

ResDPM

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 40
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

SOURCE ID = L0000881 ; SOURCE TYPE = VOLUME :											
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

SOURCE ID = L0000882 ; SOURCE TYPE = VOLUME :											
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

SOURCE ID = L0000883 ; SOURCE TYPE = VOLUME :											
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

SOURCE ID = L0000884 ; SOURCE TYPE = VOLUME :											
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

SOURCE ID = L0000885 ; SOURCE TYPE = VOLUME :											
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18						

ResDPM

.00000E+00	19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
------------	----	------------	----	------------	----	------------	----	------------	----	------------	----

.00000E+00

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 41
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = L0000886 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01		7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01		12	.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01
.00000E+00		17	.10000E+01	18	.10000E+01	19	.00000E+00	20	.00000E+00	21	.00000E+00
.00000E+00		22	.00000E+00	23	.00000E+00	24					

SOURCE ID = L0000887 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01		7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01		12	.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01
.00000E+00		17	.10000E+01	18	.10000E+01	19	.00000E+00	20	.00000E+00	21	.00000E+00
.00000E+00		22	.00000E+00	23	.00000E+00	24					

SOURCE ID = L0000888 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01		7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01		12	.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01
.00000E+00		17	.10000E+01	18	.10000E+01	19	.00000E+00	20	.00000E+00	21	.00000E+00
.00000E+00		22	.00000E+00	23	.00000E+00	24					

SOURCE ID = L0000889 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01		7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01		12	.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01
.00000E+00		17	.10000E+01	18	.10000E+01	19	.00000E+00	20	.00000E+00	21	.00000E+00
.00000E+00		22	.00000E+00	23	.00000E+00	24					

SOURCE ID = L0000890 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											

				ResDPM					
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
12	.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01
17	.00000E+00	18	.10000E+01	19	.00000E+00	20	.00000E+00	21	.00000E+00
22	.00000E+00	23	.00000E+00	24	.00000E+00	25	.00000E+00	26	.00000E+00

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 42
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR
1	2	3	4	5	6	7	8	9	10

SOURCE ID = L0000891 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000892 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000893 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000894 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

ResDPM

SOURCE ID = L0000895	; SOURCE TYPE = VOLUME		:						
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .00000E+00	9 .00000E+00	10 .00000E+00
.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18 .10000E+01	19 .10000E+01	20 .10000E+01	21 .10000E+01	22 .10000E+01
.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 43
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -

SOURCE ID = L0000896	; SOURCE TYPE = VOLUME		:						
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .00000E+00	9 .00000E+00	10 .00000E+00
.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18 .10000E+01	19 .10000E+01	20 .10000E+01	21 .10000E+01	22 .10000E+01
.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

SOURCE ID = L0000897	; SOURCE TYPE = VOLUME		:						
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .00000E+00	9 .00000E+00	10 .00000E+00
.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18 .10000E+01	19 .10000E+01	20 .10000E+01	21 .10000E+01	22 .10000E+01
.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

SOURCE ID = L0000898	; SOURCE TYPE = VOLUME		:						
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .00000E+00	9 .00000E+00	10 .00000E+00
.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18 .10000E+01	19 .10000E+01	20 .10000E+01	21 .10000E+01	22 .10000E+01
.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

SOURCE ID = L0000899	; SOURCE TYPE = VOLUME		:						
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	8 .00000E+00	9 .00000E+00	10 .00000E+00
.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01	.10000E+01
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18 .10000E+01	19 .10000E+01	20 .10000E+01	21 .10000E+01	22 .10000E+01
.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00	.00000E+00

ResDPM

.00000E+00

SOURCE ID = L0000900 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 44
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										

SOURCE ID = L0000901 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000902 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000903 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000904 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01

				ResDPM						
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000905		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 45
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										

SOURCE ID = L0000906		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000907		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000908		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000909		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6

ResDPM

.10000E+01									
7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12				
.10000E+01									
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18				
.00000E+00									
19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24				
.00000E+00									

SOURCE ID = L0000910	; SOURCE TYPE = VOLUME		:						
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6				
.10000E+01									
7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12				
.10000E+01									
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18				
.00000E+00									
19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24				
.00000E+00									

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 46
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -

SOURCE ID = L0000911	; SOURCE TYPE = VOLUME		:						
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6				
.10000E+01									
7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12				
.10000E+01									
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18				
.00000E+00									
19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24				
.00000E+00									

SOURCE ID = L0000912	; SOURCE TYPE = VOLUME		:						
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6				
.10000E+01									
7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12				
.10000E+01									
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18				
.00000E+00									
19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24				
.00000E+00									

SOURCE ID = L0000913	; SOURCE TYPE = VOLUME		:						
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6				
.10000E+01									
7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12				
.10000E+01									
13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18				
.00000E+00									
19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24				
.00000E+00									

ResDPM

SOURCE ID = L0000914 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000915 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 47
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
---	---	---	---	---	---	---	---	---	---	---	---

SOURCE ID = L0000916 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000917 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000918 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00

19 .00000E+00 20 .00000E+00 21 ResDPM .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000919 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000920 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

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06/01/16
*** AERMET - VERSION 14134 ***
13:38:33

PAGE 48
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = L0000921 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000922 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000923 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12

ResDPM

.10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000924 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000925 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 49
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR											
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

SOURCE ID = L0000926 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000927 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000928 ; SOURCE TYPE = VOLUME :

				ResDPM							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000929		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000930		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 50
 ***MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
- - - - -										
- - - - -										

SOURCE ID = L0000931		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000932		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

ResDPM

SOURCE ID = L0000933 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000934 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000935 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 51
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR											
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

SOURCE ID = L0000936 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000937 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18

ResDPM
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000938 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000939 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000940 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

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06/01/16
*** AERMET - VERSION 14134 ***
13:38:33

PAGE 52
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
------	--------	------	--------	------	--------	------	--------	------	--------	------

SCALAR

SOURCE ID = L0000941 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000942 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01

								ResDPM									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12							
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18					
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24					
.00000E+00																	

SOURCE ID = L0000943		; SOURCE TYPE = VOLUME		:													
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6							
.10000E+01		7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12					
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18					
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24					
.00000E+00																	

SOURCE ID = L0000944		; SOURCE TYPE = VOLUME		:													
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6							
.10000E+01		7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12					
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18					
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24					
.00000E+00																	

SOURCE ID = L0000945		; SOURCE TYPE = VOLUME		:													
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6							
.10000E+01		7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12					
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18					
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24					
.00000E+00																	

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 53
***MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR													

SOURCE ID = L0000946		; SOURCE TYPE = VOLUME		:													
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6							
.10000E+01		7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12					
.10000E+01		13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18					
.00000E+00		19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24					
.00000E+00																	

ResDPM

SOURCE ID = L0000947 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000948 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000949 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

SOURCE ID = L0000950 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 54
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1		2		3		4		5		6	
7		8		9		10		11		12	
13		14		15		16		17		18	
19		20		21		22		23		24	

SOURCE ID = L0000951 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	

ResDPM

.00000E+00

SOURCE ID = L0000952 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000953 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000954 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000955 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

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 06/01/16
 *** AERMET - VERSION 14134 ***
 13:38:33

PAGE 55
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR											
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

SOURCE ID = L0000956 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01

				ResDPM						
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000957		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000958		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000959		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0000960		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 56
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

SOURCE ID = L0000961		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6

ResDPM											
.10000E+01	7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00	19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24

SOURCE ID = L0000962		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01	7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00	19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24

SOURCE ID = L0000963		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01	7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00	19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24

SOURCE ID = L0000964		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01	7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00	19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24

SOURCE ID = L0000965		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01	7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00	19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 57
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

SCALAR
 - - - - -
 - - - - -

ResDPM

SOURCE ID = L0000966 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000967 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000968 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000969 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0000970 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 58
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

ResDPM

```

SOURCE ID = L0000971 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0000972 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0000973 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0000974 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0000975 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

```

```

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchooldPM\SchooldPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

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PAGE 59
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

ResDPM

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = L0000976		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000977		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000978		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000979		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000980		; SOURCE TYPE = VOLUME		:							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33


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                                ResDPM
**MODELOPTs:   RegDFAULT CONC      ELEV      URBAN

      * SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

      HOUR      SCALAR      HOUR      SCALAR      HOUR      SCALAR      HOUR      SCALAR      HOUR      SCALAR      HOUR
SCALAR
-----
SOURCE ID = L0000981      ; SOURCE TYPE = VOLUME      :
   1 .00000E+00      2 .00000E+00      3 .00000E+00      4 .00000E+00      5 .00000E+00      6
.10000E+01
   7 .10000E+01      8 .10000E+01      9 .10000E+01     10 .10000E+01     11 .10000E+01     12
.10000E+01
  13 .10000E+01     14 .10000E+01     15 .10000E+01     16 .10000E+01     17 .10000E+01     18
.00000E+00
  19 .00000E+00     20 .00000E+00     21 .00000E+00     22 .00000E+00     23 .00000E+00     24
.00000E+00

SOURCE ID = L0000982      ; SOURCE TYPE = VOLUME      :
   1 .00000E+00      2 .00000E+00      3 .00000E+00      4 .00000E+00      5 .00000E+00      6
.10000E+01
   7 .10000E+01      8 .10000E+01      9 .10000E+01     10 .10000E+01     11 .10000E+01     12
.10000E+01
  13 .10000E+01     14 .10000E+01     15 .10000E+01     16 .10000E+01     17 .10000E+01     18
.00000E+00
  19 .00000E+00     20 .00000E+00     21 .00000E+00     22 .00000E+00     23 .00000E+00     24
.00000E+00

SOURCE ID = L0000983      ; SOURCE TYPE = VOLUME      :
   1 .00000E+00      2 .00000E+00      3 .00000E+00      4 .00000E+00      5 .00000E+00      6
.10000E+01
   7 .10000E+01      8 .10000E+01      9 .10000E+01     10 .10000E+01     11 .10000E+01     12
.10000E+01
  13 .10000E+01     14 .10000E+01     15 .10000E+01     16 .10000E+01     17 .10000E+01     18
.00000E+00
  19 .00000E+00     20 .00000E+00     21 .00000E+00     22 .00000E+00     23 .00000E+00     24
.00000E+00

SOURCE ID = L0000984      ; SOURCE TYPE = VOLUME      :
   1 .00000E+00      2 .00000E+00      3 .00000E+00      4 .00000E+00      5 .00000E+00      6
.10000E+01
   7 .10000E+01      8 .10000E+01      9 .10000E+01     10 .10000E+01     11 .10000E+01     12
.10000E+01
  13 .10000E+01     14 .10000E+01     15 .10000E+01     16 .10000E+01     17 .10000E+01     18
.00000E+00
  19 .00000E+00     20 .00000E+00     21 .00000E+00     22 .00000E+00     23 .00000E+00     24
.00000E+00

SOURCE ID = L0000985      ; SOURCE TYPE = VOLUME      :
   1 .00000E+00      2 .00000E+00      3 .00000E+00      4 .00000E+00      5 .00000E+00      6
.10000E+01
   7 .10000E+01      8 .10000E+01      9 .10000E+01     10 .10000E+01     11 .10000E+01     12
.10000E+01
  13 .10000E+01     14 .10000E+01     15 .10000E+01     16 .10000E+01     17 .10000E+01     18
.00000E+00
  19 .00000E+00     20 .00000E+00     21 .00000E+00     22 .00000E+00     23 .00000E+00     24
.00000E+00

♀ *** AERMOD - VERSION 15181 ***      *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc      ***
   06/01/16
*** AERMET - VERSION 14134 ***      ***

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13:38:33

PAGE 61

**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

SOURCE ID = L0000986 ; SOURCE TYPE = VOLUME :

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

SOURCE ID = L0000987 ; SOURCE TYPE = VOLUME :

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

SOURCE ID = L0000988 ; SOURCE TYPE = VOLUME :

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

SOURCE ID = L0000989 ; SOURCE TYPE = VOLUME :

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

SOURCE ID = L0000990 ; SOURCE TYPE = VOLUME :

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

ResDPM

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 62
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = L0000991 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000992 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000993 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000994 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0000995 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											

19 .00000E+00 20 .00000E+00 21 ResDPM .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 63
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24

SOURCE ID = L0000996 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000997 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000998 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0000999 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001000 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12

ResDPM

.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 64
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SOURCE ID = L0001001 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001002 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001003 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001004 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001005 ; SOURCE TYPE = VOLUME :

				ResDPM							
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 65
***MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = L0001006 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0001007 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0001008 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0001009 ; SOURCE TYPE = VOLUME :											
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

ResDPM

```

SOURCE ID = L0001010 ; SOURCE TYPE = VOLUME :
  1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
  7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

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PAGE 66
**MODELOPTs: RegDFAULT CONC ELEV URBAN

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* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
1	0.00000E+00	2	0.00000E+00	3	0.00000E+00	4	0.00000E+00	5	0.00000E+00	6	0.00000E+00
7	0.10000E+01	8	0.10000E+01	9	0.10000E+01	10	0.10000E+01	11	0.10000E+01	12	0.10000E+01
13	0.10000E+01	14	0.10000E+01	15	0.10000E+01	16	0.10000E+01	17	0.10000E+01	18	0.10000E+01
19	0.00000E+00	20	0.00000E+00	21	0.00000E+00	22	0.00000E+00	23	0.00000E+00	24	0.00000E+00

```

SOURCE ID = L0001011 ; SOURCE TYPE = VOLUME :
  1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
  7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0001012 ; SOURCE TYPE = VOLUME :
  1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
  7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0001013 ; SOURCE TYPE = VOLUME :
  1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
  7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

```

```

SOURCE ID = L0001014 ; SOURCE TYPE = VOLUME :
  1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
  7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.10000E+01

```

ResDPM
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001015 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 67
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -
- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -

SOURCE ID = L0001016 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001017 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001018 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001019 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01

ResDPM										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0001020		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 68
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR

SOURCE ID = L0001021		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0001022		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0001023		; SOURCE TYPE = VOLUME		:						
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0001025	; SOURCE TYPE = VOLUME :						
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6 .00000E+00	7 .00000E+00	
.10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12 .10000E+01	13 .10000E+01	
.10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18 .10000E+01	19 .10000E+01	
.00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24 .00000E+00	25 .00000E+00	
.00000E+00							

PAGE 69
**MODELOPTs: RegDFAULT CONC ELEV URBAN

[illegible][illegible]

Page 167

ResDPM

.00000E+00

SOURCE ID = L0001029 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0001030 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 70
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SOURCE ID = L0001031 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0001032 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0001033 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01

				ResDPM						
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0001034				; SOURCE TYPE = VOLUME				:			
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0001035				; SOURCE TYPE = VOLUME				:			
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

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06/01/16
*** AERMET - VERSION 14134 ***
13:38:33

PAGE 71
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -
- - - - -		- - - - -		- - - - -		- - - - -		- - - - -		- - - - -

SOURCE ID = L0001036				; SOURCE TYPE = VOLUME				:			
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0001037				; SOURCE TYPE = VOLUME				:			
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	
.10000E+01											
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12	
.10000E+01											
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18	
.00000E+00											
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24	
.00000E+00											

SOURCE ID = L0001038				; SOURCE TYPE = VOLUME				:			
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6	

ResDPM

.10000E+01	7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01	13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00	19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00											

SOURCE ID = L0001039	; SOURCE TYPE = VOLUME		:								
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6						
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12					
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18					
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24					
.00000E+00											

SOURCE ID = L0001040	; SOURCE TYPE = VOLUME		:								
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6						
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12					
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18					
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24					
.00000E+00											

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 72
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
- - - - -										
- - - - -										

SOURCE ID = L0001041	; SOURCE TYPE = VOLUME		:								
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6						
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12					
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18					
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24					
.00000E+00											

SOURCE ID = L0001042	; SOURCE TYPE = VOLUME		:								
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6						
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12					
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18					
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24					
.00000E+00											

ResDPM

SOURCE ID = L0001043 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0001044 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0001045 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 73
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
SCALAR											
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

SOURCE ID = L0001046 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0001047 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00

19 .00000E+00 20 .00000E+00 21 ResDPM .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001048 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001049 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001050 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

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06/01/16
*** AERMET - VERSION 14134 ***
13:38:33

PAGE 74
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------

SOURCE ID = L0001051 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001052 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12

ResDPM
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001053 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001054 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001055 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchooldPM\SchooldPM.isc ***
06/01/16
*** AERMET - VERSION 14134 ***
13:38:33 ***

PAGE 75
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

SOURCE ID = L0001056 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001057 ; SOURCE TYPE = VOLUME :

				ResDPM					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

SOURCE ID = L0001058		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

SOURCE ID = L0001059		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

SOURCE ID = L0001060		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 76
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										

- - - - -										

SOURCE ID = L0001061		; SOURCE TYPE = VOLUME		:					
1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00
.10000E+01									
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01
.10000E+01									
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01
.00000E+00									
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00
.00000E+00									

ResDPM

SOURCE ID = L0001062 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0001063 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0001064 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

SOURCE ID = L0001065 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
 .00000E+00
 19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
 .00000E+00

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 77
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

 - - - - -

SOURCE ID = L0001066 ; SOURCE TYPE = VOLUME :
 1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
 .10000E+01
 7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
 .10000E+01
 13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18

ResDPM
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001067 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001068 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001069 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

SOURCE ID = L0001070 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01
7 .10000E+01 8 .10000E+01 9 .10000E+01 10 .10000E+01 11 .10000E+01 12
.10000E+01
13 .10000E+01 14 .10000E+01 15 .10000E+01 16 .10000E+01 17 .10000E+01 18
.00000E+00
19 .00000E+00 20 .00000E+00 21 .00000E+00 22 .00000E+00 23 .00000E+00 24
.00000E+00

♀ *** AERMOD - VERSION 15181 *** C:\Lakes\AERMOD View\NicholsMine\SchooldPM\SchooldPM.isc ***
06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33

PAGE 78
**MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

SOURCE ID = L0001071 ; SOURCE TYPE = VOLUME :
1 .00000E+00 2 .00000E+00 3 .00000E+00 4 .00000E+00 5 .00000E+00 6
.10000E+01

				ResDPM						
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0001072 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0001073 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0001074 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

SOURCE ID = L0001075 ; SOURCE TYPE = VOLUME :

1	.00000E+00	2	.00000E+00	3	.00000E+00	4	.00000E+00	5	.00000E+00	6
.10000E+01										
7	.10000E+01	8	.10000E+01	9	.10000E+01	10	.10000E+01	11	.10000E+01	12
.10000E+01										
13	.10000E+01	14	.10000E+01	15	.10000E+01	16	.10000E+01	17	.10000E+01	18
.00000E+00										
19	.00000E+00	20	.00000E+00	21	.00000E+00	22	.00000E+00	23	.00000E+00	24
.00000E+00										

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 79
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

* SOURCE EMISSION RATE SCALARS WHICH VARY FOR EACH HOUR OF THE DAY *

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
SCALAR										
- - - - -										
- - - - -										

ResDPM

SOURCE ID = L0001076	; SOURCE TYPE = VOLUME		:				
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6		
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12	
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18	
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24	
.00000E+00							

SOURCE ID = L0001077	; SOURCE TYPE = VOLUME		:				
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6		
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12	
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18	
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24	
.00000E+00							

SOURCE ID = L0001078	; SOURCE TYPE = VOLUME		:				
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6		
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12	
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18	
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24	
.00000E+00							

SOURCE ID = L0001079	; SOURCE TYPE = VOLUME		:				
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6		
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12	
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18	
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24	
.00000E+00							

SOURCE ID = AREA1	; SOURCE TYPE = AREA		:				
1 .00000E+00	2 .00000E+00	3 .00000E+00	4 .00000E+00	5 .00000E+00	6		
.10000E+01	7 .10000E+01	8 .10000E+01	9 .10000E+01	10 .10000E+01	11 .10000E+01	12	
.10000E+01	13 .10000E+01	14 .10000E+01	15 .10000E+01	16 .10000E+01	17 .10000E+01	18	
.00000E+00	19 .00000E+00	20 .00000E+00	21 .00000E+00	22 .00000E+00	23 .00000E+00	24	
.00000E+00							

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 80
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

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

(467691.8, 3729489.4, 409.9, 635.0, 0.0); (467579.1, 3729454.4, 408.0, 635.0,

ResDPM
0.0);
(467520.1, 3729393.7, 406.4, 635.0, 0.0); (467463.7, 3729319.4, 402.9, 635.0,
0.0);
(467650.0, 3729387.7, 407.4, 635.0, 0.0); (467709.8, 3729097.2, 398.4, 635.0,
0.0);
(467824.3, 3728994.7, 397.2, 635.0, 0.0);

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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33 ***

PAGE 81
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** 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 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1
1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 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 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,
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06/01/16
*** AERMET - VERSION 14134 *** ***
13:38:33 ***

PAGE 82
**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: elsi8.sfc Met Version:
14134
Profile file: elsi8.PFL
Surface format: FREE

Profile format: FREE

Surface station no.:	0	Upper air station no.:	3190
Name:	UNKNOWN	Name:	UNKNOWN
Year:	2008	Year:	2008

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

ResDPM

08 01 01	1 01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2
5.5															
08 01 01	1 02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1
5.5															
08 01 01	1 03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1
5.5															
08 01 01	1 04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8
5.5															
08 01 01	1 05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8
5.5															
08 01 01	1 06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.8
5.5															
08 01 01	1 07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1
5.5															
08 01 01	1 08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.54	999.00	999.	-9.0	283.8
5.5															
08 01 01	1 09	27.2	-9.000	-9.000	-9.000	60.	-999.	-99999.0	0.23	1.00	0.33	999.00	999.	-9.0	285.9
5.5															
08 01 01	1 10	74.6	-9.000	-9.000	-9.000	157.	-999.	-99999.0	0.23	1.00	0.25	999.00	999.	-9.0	288.1
5.5															
08 01 01	1 11	107.4	-9.000	-9.000	-9.000	375.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	289.9
5.5															
08 01 01	1 12	122.7	-9.000	-9.000	-9.000	578.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	289.9
5.5															
08 01 01	1 13	121.3	-9.000	-9.000	-9.000	714.	-999.	-99999.0	0.23	1.00	0.22	999.00	999.	-9.0	291.4
5.5															
08 01 01	1 14	102.1	-9.000	-9.000	-9.000	763.	-999.	-99999.0	0.23	1.00	0.23	999.00	999.	-9.0	292.0
5.5															
08 01 01	1 15	65.8	-9.000	-9.000	-9.000	792.	-999.	-99999.0	0.23	1.00	0.27	999.00	999.	-9.0	291.4
5.5															
08 01 01	1 16	16.0	-9.000	-9.000	-9.000	798.	-999.	-99999.0	0.23	1.00	0.36	999.00	999.	-9.0	290.4
5.5															
08 01 01	1 17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	0.63	999.00	999.	-9.0	288.8
5.5															
08 01 01	1 18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	287.5
5.5															
08 01 01	1 19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	286.4
5.5															
08 01 01	1 20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	285.4
5.5															
08 01 01	1 21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	284.2
5.5															
08 01 01	1 22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1
5.5															
08 01 01	1 23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	283.1
5.5															
08 01 01	1 24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.23	1.00	1.00	999.00	999.	-9.0	282.5
5.5															

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	284.3	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

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

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 83

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: DPM

ResDPM

INCLUDING SOURCE(S): PAREA1 , L0000772 , L0000773 , L0000774 ,

L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 ,

L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 , L0000790 ,

L0000791 , L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 , L0000798 ,

. . . ,

*** 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	
467691.85	3729489.42	0.00050	467579.06	3729454.38	0.00041	
467520.10	3729393.71	0.00032	467463.70	3729319.37	0.00025	
467649.98	3729387.73	0.00035	467709.79	3729097.21	0.00017	
467824.29	3728994.67	0.00015				

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06/01/16

*** AERMET - VERSION 14134 *** ***

13:38:33

PAGE 84

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: BP

INCLUDING SOURCE(S): AREA1 ,

*** 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	
467691.85	3729489.42	0.00947	467579.06	3729454.38	0.01253	
467520.10	3729393.71	0.01358	467463.70	3729319.37	0.01290	
467649.98	3729387.73	0.01055	467709.79	3729097.21	0.00794	
467824.29	3728994.67	0.00657				

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06/01/16

*** AERMET - VERSION 14134 *** ***

13:38:33

PAGE 85

**MODELOPTs: RegDFAULT CONC ELEV URBAN

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): PAREA1 , L0000772 , L0000773 , L0000774 ,

L0000775 , L0000776 , L0000777 , L0000778 , L0000779 , L0000780 , L0000781 , L0000782 ,

L0000783 , L0000784 , L0000785 , L0000786 , L0000787 , L0000788 , L0000789 , L0000790 ,

ResDPM

L0000791 , L0000792 , L0000793 , L0000794 , L0000795 , L0000796 , L0000797 , L0000798 ,
 . . . ,

*** 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	
467691.85	3729489.42	0.00996	467579.06	3729454.38	0.01294	
467520.10	3729393.71	0.01391	467463.70	3729319.37	0.01315	
467649.98	3729387.73	0.01090	467709.79	3729097.21	0.00811	
467824.29	3728994.67	0.00672				

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 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 86
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

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

DPM	1ST HIGHEST VALUE IS	0.00050 AT (467691.85, 3729489.42, 409.87, 635.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.00041 AT (467579.06, 3729454.38, 408.00, 635.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.00035 AT (467649.98, 3729387.73, 407.39, 635.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.00032 AT (467520.10, 3729393.71, 406.39, 635.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.00025 AT (467463.70, 3729319.37, 402.91, 635.00, 0.00) DC
	6TH HIGHEST VALUE IS	0.00017 AT (467709.79, 3729097.21, 398.41, 635.00, 0.00) DC
	7TH HIGHEST VALUE IS	0.00015 AT (467824.29, 3728994.67, 397.24, 635.00, 0.00) DC
	8TH HIGHEST VALUE IS	0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)
	9TH HIGHEST VALUE IS	0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)
	10TH HIGHEST VALUE IS	0.00000 AT (0.00, 0.00, 0.00, 0.00, 0.00)
BP	1ST HIGHEST VALUE IS	0.01358 AT (467520.10, 3729393.71, 406.39, 635.00, 0.00) DC
	2ND HIGHEST VALUE IS	0.01290 AT (467463.70, 3729319.37, 402.91, 635.00, 0.00) DC
	3RD HIGHEST VALUE IS	0.01253 AT (467579.06, 3729454.38, 408.00, 635.00, 0.00) DC
	4TH HIGHEST VALUE IS	0.01055 AT (467649.98, 3729387.73, 407.39, 635.00, 0.00) DC
	5TH HIGHEST VALUE IS	0.00947 AT (467691.85, 3729489.42, 409.87, 635.00, 0.00) DC

			ResDPM						
	6TH HIGHEST VALUE IS	0.00794 AT (	467709.79,	3729097.21,	398.41,	635.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.00657 AT (	467824.29,	3728994.67,	397.24,	635.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
ALL	1ST HIGHEST VALUE IS	0.01391 AT (	467520.10,	3729393.71,	406.39,	635.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	0.01315 AT (	467463.70,	3729319.37,	402.91,	635.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	0.01294 AT (	467579.06,	3729454.38,	408.00,	635.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	0.01090 AT (	467649.98,	3729387.73,	407.39,	635.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	0.00996 AT (	467691.85,	3729489.42,	409.87,	635.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	0.00811 AT (	467709.79,	3729097.21,	398.41,	635.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	0.00672 AT (	467824.29,	3728994.67,	397.24,	635.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	9TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		
	10TH HIGHEST VALUE IS	0.00000 AT (	0.00,	0.00,	0.00,	0.00,	0.00)		

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

♀ *** AERMOD - VERSION 15181 *** *** C:\Lakes\AERMOD View\NicholsMine\SchoolDPM\SchoolDPM.isc ***
 06/01/16
 *** AERMET - VERSION 14134 *** ***
 13:38:33

PAGE 87
 **MODELOPTs: RegDFAULT CONC ELEV URBAN

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

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

A Total of 0 Fatal Error Message(s)
 A Total of 0 Warning Message(s)
 A Total of 1916 Informational Message(s)
 A Total of 43848 Hours Were Processed
 A Total of 10 Calm Hours Identified
 A Total of 1906 Missing Hours Identified (4.35 Percent)

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

***** WARNING MESSAGES *****
 *** NONE ***

 *** AERMOD Finishes Successfully ***

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APPENDIX 5.2:

RISK CALCULATIONS

Table 1
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
Resident 30-Year Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
		(ug/m ³) (b)	(mg/m ³) (c)			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
						(ug/m ³) ⁻¹ (f)	(mg/kg/day) ⁻¹ (g)	(mg/kg-day) (h)	(i)	(ug/m ³) (j)	(mg/kg/day) (k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	3.09E-03	3.09E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.0E-06	1.23E-06	5.0E+00	1.4E-03	6.2E-04							
2	Asphalt Batch Plant	7.65E-02	7.65E-05	8.89E-01	Formaldehyde	6.0E-06	2.1E-02	2.3E-05	5.4E-07	9.0E+00	2.6E-03	7.6E-03							
				1.10E-01	Benzene	2.9E-05	1.0E-01	2.9E-06	3.2E-07	6.0E+01	1.7E-02		1.4E-04	1.4E-04			1.4E-04	7.6E-03	
				1.56E-04	Arsenic		1.2E+01	4.0E-09	5.4E-08	1.5E-02	4.3E-06		8.0E-04	8.0E-04			8.0E-04		
TOTAL									2.15E-06		8.2E-03	9.4E-04	9.4E-04	0.0E+00	0.0E+00	0.0E+00	9.4E-04	7.6E-03	

** Key to Toxicological Endpoints

Note:

Exposure factors used to calculate contaminant intake

RESP	Respiratory System	exposure frequency (days/year)	350
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	30
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day)	352
IMMUN	Immune System	inhalation absorption factor	1
KIDN	Kidney	averaging time (years)	70
GI/LV	Gastrointestinal System/Liver	fraction of time at home	1
REPRO	Reproductive System (e.g. teratogenic and developmental effects)	age sensitivity factor (age third trimester to 2 years)	10
EYES	Eye irritation and/or other effects	age sensitivity factor (ages 2 to 16 years old)	3
		weighted age sensitivity factor	2.6

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
25-Year Worker Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
		(ug/m ³) (b)	(mg/m ³) (c)			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
						(ug/m ³) ⁻¹ (f)	(mg/kg/day) ⁻¹ (g)	(mg/kg-day) (h)	(i)	(ug/m ³) (j)	(mg/kg/day) (k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
2	Diesel Particulates	2.08E-03	2.08E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.7E-07	1.4E-07	5.0E+00	1.4E-03	4.2E-04							
	Asphalt Batch Plant	1.08E-01	1.08E-04	8.89E-01	Formaldehyde	6.0E-06	2.1E-02	1.7E-05	1.3E-07	9.0E+00	2.6E-03	1.1E-02							
				1.10E-01	Benzene	2.9E-05	1.0E-01	2.1E-06	7.7E-08	6.0E+01	1.7E-02		2.0E-04	2.0E-04			2.0E-04	1.1E-02	
				1.56E-04	Arsenic		1.2E+01	3.0E-09	1.3E-08	1.5E-02	4.3E-06								
TOTAL								3.6E-07				1.1E-02	2.0E-04	2.0E-04	0.0E+00	0.0E+00	0.0E+00	1.3E-03	1.1E-02

** Key to Toxicological Endpoints

Note:

Exposure factors used to calculate contaminant intake

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

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
9-Year School Child Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
		(ug/m ³) (b)	(mg/m ³) (c)			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
						(ug/m ³) ⁻¹ (f)	(mg/kg/day) ⁻¹ (g)	(mg/kg-day) (h)	 (i)	(ug/m ³) (j)	(mg/kg/day) (k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
2	Diesel Particulates	5.00E-04	5.00E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.1E-07	4.5E-08	5.0E+00	1.4E-03	1.0E-04							
	CNG Buses - onsite	1.36E-02	1.36E-05	8.89E-01	Formaldehyde	6.0E-06	2.1E-02	2.7E-06	3.3E-06	9.0E+00	2.6E-03	1.3E-03							
				1.10E-01	Benzene	2.9E-05	1.0E-01	3.3E-07	1.3E-08	6.0E+01	1.7E-02		2.5E-05	2.5E-05			2.5E-05	1.3E-03	
				1.56E-04	Arsenic		1.2E+01	4.7E-10	2.2E-09	1.5E-02	4.3E-06						1.4E-04		
TOTAL								3.3E-06		1.4E-03		2.5E-05	2.5E-05	0.0E+00	0.0E+00	0.0E+00	1.7E-04	1.3E-03	

** Key to Toxicological Endpoints

Note:

Exposure factors used to calculate contaminant intake

RESP	Respiratory System	exposure frequency (days/year)	180
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	9
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day)	452
IMMUN	Immune System	inhalation absorption factor	1
KIDN	Kidney	averaging time (years)	70
GI/LV	Gastrointestinal System/Liver	age sensitivity factor (ages 2-16)	3
REPRO	Reproductive System (e.g. teratogenic and developmental effects)		
EYES	Eye irritation and/or other effects		

**AVERAGE EMISSION FACTOR
SCAQMD 2016-2046**

Speed	LHD1	MHD	HHD
0	0.594858	0.048924	0.01357
5	0.055046	0.041197	0.02587
25	0.02081	0.017972	0.01355

Year	Speed	LHD1	MHD	HHD
2016	0 mph	0.807165	0.413143	0.107252375
	5 mph	0.121745	0.348277	0.176652344
	25 mph	0.03958	0.129738	0.069530931
2017	0 mph	0.802377	0.334442	0.066326077
	5 mph	0.116672	0.275664	0.099180407
	25 mph	0.03833	0.106684	0.044321841
2018	0 mph	0.797224	0.278174	0.044570434
	5 mph	0.111528	0.221972	0.060043409
	25 mph	0.037058	0.088593	0.030634806
2019	0 mph	0.789742	0.227647	0.038305427
	5 mph	0.106225	0.164772	0.054504214
	25 mph	0.03572	0.070994	0.028300161
2020	0 mph	0.779549	0.130914	0.022508763
	5 mph	0.100705	0.057329	0.041607954
	25 mph	0.034289	0.039832	0.023662018
2021	0 mph	0.765814	0.015921	0.018815229
	5 mph	0.095027	0.012803	0.036249172
	25 mph	0.032775	0.007476	0.021383743
2022	0 mph	0.74834	0.013362	0.01484053
	5 mph	0.089172	0.011645	0.032311715
	25 mph	0.031165	0.006825	0.019005407
2023	0 mph	0.729799	0.005355	0.009751114
	5 mph	0.083296	0.006312	0.012803391
	25 mph	0.029521	0.003795	0.007623878
2024	0 mph	0.710253	0.004579	0.008709656
	5 mph	0.077412	0.006297	0.012704459
	25 mph	0.027851	0.003812	0.007607986
2025	0 mph	0.690394	0.003962	0.007741953
	5 mph	0.071631	0.006271	0.012554254
	25 mph	0.026186	0.003819	0.007556373

2026	0 mph	0.669535	0.003488	0.006950832
	5 mph	0.065988	0.006237	0.012384383
	25 mph	0.024536	0.003816	0.007485729
2027	0 mph	0.647001	0.003126	0.006078038
	5 mph	0.060594	0.006186	0.012193283
	25 mph	0.022931	0.0038	0.007402399
2028	0 mph	0.62464	0.002809	0.00555985
	5 mph	0.055507	0.006155	0.012061678
	25 mph	0.021395	0.003794	0.007345112
2029	0 mph	0.601184	0.00255	0.005005429
	5 mph	0.050674	0.006123	0.011905036
	25 mph	0.019917	0.003785	0.007270531
2030	0 mph	0.578314	0.002314	0.00447508
	5 mph	0.046191	0.006084	0.011742445
	25 mph	0.018527	0.00377	0.007190514
2031	0 mph	0.555789	0.002136	0.00398068
	5 mph	0.042066	0.006048	0.011595959
	25 mph	0.01723	0.003755	0.007118472
2032	0 mph	0.536566	0.001993	0.003689976
	5 mph	0.038468	0.006013	0.011474401
	25 mph	0.016077	0.00374	0.007057172
2033	0 mph	0.517997	0.001881	0.003395156
	5 mph	0.035267	0.005985	0.011357635
	25 mph	0.015034	0.003728	0.006999086
2034	0 mph	0.500242	0.00179	0.003088982
	5 mph	0.032423	0.005954	0.011239035
	25 mph	0.014092	0.003714	0.006940349
2035	0 mph	0.483189	0.001713	0.002824311
	5 mph	0.029788	0.005921	0.011138358
	25 mph	0.013216	0.003697	0.006892119
2036	0 mph	0.467738	0.001652	0.002627241
	5 mph	0.027502	0.005889	0.011064121
	25 mph	0.012449	0.003681	0.00686232
2037	0 mph	0.452947	0.001602	0.002475895
	5 mph	0.02541	0.005859	0.011012599
	25 mph	0.01174	0.003665	0.006841237
2038	0 mph	0.438979	0.001564	0.002344769
	5 mph	0.023538	0.005836	0.010979915
	25 mph	0.011101	0.003653	0.006829631
2039	0 mph	0.426504	0.001531	0.002235251
	5 mph	0.02188	0.005818	0.010961271
	25 mph	0.010532	0.003643	0.006824697
2040	0 mph	0.415137	0.001502	0.002130339
	5 mph	0.020462	0.005802	0.010947318
	25 mph	0.01004	0.003635	0.006823177
2041	0 mph	0.404953	0.001476	0.002037225
	5 mph	0.019241	0.00579	0.010934086
	25 mph	0.009614	0.003628	0.006821976
2042	0 mph	0.395858	0.001453	0.001969833
	5 mph	0.018211	0.00578	0.010928056
	25 mph	0.009252	0.003623	0.006823783

2043	0 mph	0.387965	0.001435	0.001912267
	5 mph	0.017379	0.005775	0.010923925
	25 mph	0.008954	0.003621	0.006826753
2044	0 mph	0.380329	0.001418	0.001848363
	5 mph	0.016539	0.005771	0.010915981
	25 mph	0.008663	0.003619	0.006828726
2045	0 mph	0.373428	0.001404	0.001783717
	5 mph	0.015791	0.005769	0.010905325
	25 mph	0.008406	0.003618	0.006829696
2046	0 mph	0.366773	0.001393	0.001725535
	5 mph	0.015057	0.005768	0.010896323
	25 mph	0.008158	0.003619	0.006830451

**AVERAGE EMISSION FACTOR
SCAQMD 2016-2041**

Speed	LHD1	MHD	HHD
0	0.398534	0.036516	0.00994
5	0.03921	0.030176	0.01804
25	0.01452	0.013027	0.00931

Year	Speed	LHD1	MHD	HHD
2016	0 mph	0.807165	0.413143	0.107252375
	5 mph	0.121745	0.348277	0.176652344
	25 mph	0.03958	0.129738	0.069530931
2017	0 mph	0.802377	0.334442	0.066326077
	5 mph	0.116672	0.275664	0.099180407
	25 mph	0.03833	0.106684	0.044321841
2018	0 mph	0.797224	0.278174	0.044570434
	5 mph	0.111528	0.221972	0.060043409
	25 mph	0.037058	0.088593	0.030634806
2019	0 mph	0.789742	0.227647	0.038305427
	5 mph	0.106225	0.164772	0.054504214
	25 mph	0.03572	0.070994	0.028300161
2020	0 mph	0.779549	0.130914	0.022508763
	5 mph	0.100705	0.057329	0.041607954
	25 mph	0.034289	0.039832	0.023662018
2021	0 mph	0.765814	0.015921	0.018815229
	5 mph	0.095027	0.012803	0.036249172
	25 mph	0.032775	0.007476	0.021383743
2022	0 mph	0.74834	0.013362	0.01484053
	5 mph	0.089172	0.011645	0.032311715
	25 mph	0.031165	0.006825	0.019005407
2023	0 mph	0.729799	0.005355	0.009751114
	5 mph	0.083296	0.006312	0.012803391
	25 mph	0.029521	0.003795	0.007623878
2024	0 mph	0.710253	0.004579	0.008709656
	5 mph	0.077412	0.006297	0.012704459
	25 mph	0.027851	0.003812	0.007607986
2025	0 mph	0.690394	0.003962	0.007741953
	5 mph	0.071631	0.006271	0.012554254
	25 mph	0.026186	0.003819	0.007556373
2026	0 mph	0.669535	0.003488	0.006950832
	5 mph	0.065988	0.006237	0.012384383
	25 mph	0.024536	0.003816	0.007485729
2027	0 mph	0.647001	0.003126	0.006078038
	5 mph	0.060594	0.006186	0.012193283
	25 mph	0.022931	0.0038	0.007402399
	0 mph	0.62464	0.002809	0.005555985

2028	5 mph	0.055507	0.006155	0.012061678
	25 mph	0.021395	0.003794	0.007345112
2029	0 mph	0.601184	0.00255	0.005005429
	5 mph	0.050674	0.006123	0.011905036
	25 mph	0.019917	0.003785	0.007270531
2030	0 mph	0.578314	0.002314	0.00447508
	5 mph	0.046191	0.006084	0.011742445
	25 mph	0.018527	0.00377	0.007190514
2031	0 mph	0.555789	0.002136	0.00398068
	5 mph	0.042066	0.006048	0.011595959
	25 mph	0.01723	0.003755	0.007118472
2032	0 mph	0.536566	0.001993	0.003689976
	5 mph	0.038468	0.006013	0.011474401
	25 mph	0.016077	0.00374	0.007057172
2033	0 mph	0.517997	0.001881	0.003395156
	5 mph	0.035267	0.005985	0.011357635
	25 mph	0.015034	0.003728	0.006999086
2034	0 mph	0.500242	0.00179	0.003088982
	5 mph	0.032423	0.005954	0.011239035
	25 mph	0.014092	0.003714	0.006940349
2035	0 mph	0.483189	0.001713	0.002824311
	5 mph	0.029788	0.005921	0.011138358
	25 mph	0.013216	0.003697	0.006892119

2036	0 mph	0.467738	0.001652	0.002627241
	5 mph	0.027502	0.005889	0.011064121
	25 mph	0.012449	0.003681	0.00686232
2037	0 mph	0.452947	0.001602	0.002475895
	5 mph	0.02541	0.005859	0.011012599
	25 mph	0.01174	0.003665	0.006841237
2038	0 mph	0.438979	0.001564	0.002344769
	5 mph	0.023538	0.005836	0.010979915
	25 mph	0.011101	0.003653	0.006829631
2039	0 mph	0.426504	0.001531	0.002235251
	5 mph	0.02188	0.005818	0.010961271
	25 mph	0.010532	0.003643	0.006824697
2040	0 mph	0.415137	0.001502	0.002130339
	5 mph	0.020462	0.005802	0.010947318
	25 mph	0.01004	0.003635	0.006823177
2041	0 mph	0.404953	0.001476	0.002037225
	5 mph	0.019241	0.00579	0.010934086
	25 mph	0.009614	0.003628	0.006821976

**AVERAGE EMISSION FACTOR
SCAQMD 2016-2024**

Speed	LHD1	MHD	HHD
0	0.770029	0.158171	0.03679
5	0.100198	0.122786	0.05845
25	0.03403	0.050861	0.02801

Year	Speed	LHD1	MHD	HHD
2016	0 mph	0.807165	0.413143	0.107252375
	5 mph	0.121745	0.348277	0.176652344
	25 mph	0.03958	0.129738	0.069530931
2017	0 mph	0.802377	0.334442	0.066326077
	5 mph	0.116672	0.275664	0.099180407
	25 mph	0.03833	0.106684	0.044321841
2018	0 mph	0.797224	0.278174	0.044570434
	5 mph	0.111528	0.221972	0.060043409
	25 mph	0.037058	0.088593	0.030634806
2019	0 mph	0.789742	0.227647	0.038305427
	5 mph	0.106225	0.164772	0.054504214
	25 mph	0.03572	0.070994	0.028300161
2020	0 mph	0.779549	0.130914	0.022508763
	5 mph	0.100705	0.057329	0.041607954
	25 mph	0.034289	0.039832	0.023662018
2021	0 mph	0.765814	0.015921	0.018815229
	5 mph	0.095027	0.012803	0.036249172
	25 mph	0.032775	0.007476	0.021383743
2022	0 mph	0.74834	0.013362	0.01484053
	5 mph	0.089172	0.011645	0.032311715
	25 mph	0.031165	0.006825	0.019005407
2023	0 mph	0.729799	0.005355	0.009751114
	5 mph	0.083296	0.006312	0.012803391
	25 mph	0.029521	0.003795	0.007623878
2024	0 mph	0.710253	0.004579	0.008709656
	5 mph	0.077412	0.006297	0.012704459
	25 mph	0.027851	0.003812	0.007607986

Emission Rates - Residential Exposure (Average of emission factors for years 2016 through 2046) - UNMITIGATED

Truck Emission Rates (70 year average)						
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	70			0.0136	0.24	2.748E-06
On-Site Travel	140	67.50	0.0259		1.75	2.021E-05

Emission Rates - Worker Exposure (Average of emission factors for years 2016 through 2041) - UNMITIGATED

Truck Emission Rates (40 year average)						
Source	Trips 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	70			0.0099	0.17	2.014E-06
On-Site Travel	140	67.50	0.0180		1.22	1.409E-05

Emission Rates - School Child Exposure (Average of emission factors for years 2016 through 2024) - UNMITIGATED

Truck Emission Rates (9 year average)						
Source	Trips 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	70			0.0368	0.64	7.451E-06
On-Site Travel	140	67.50	0.0585		3.95	4.566E-05
Off-Site Travel	140	93.17	0.0280		2.61	3.020E-05

APPENDIX 5.3:

ASPHALT BATCH PLANT



Comparison of Uncontrolled and Controlled Hot Mix Asphalt Plant Emissions

Covering:

Nichols Road Partners, LLC
24890 Maitri Road
Corona, CA 90717

Prepared For:

Nichols Road Partners, LLC
P.O. Box 78450
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Prepared by:



Associates Environmental
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Project No: 440

TABLE OF CONTENTS

Introduction.....	1
Assumptions and Emission Factors	1
Emissions Calculation Summaries.....	2
Summarized Uncontrolled Emissions.....	2
Summarized Controlled Emissions.....	3

Attachments

Attachment 1: Scenario 1 - Uncontrolled Emissions Calculations

Attachment 2: Scenario 2 - Controlled Emissions Calculations

Appendices

Appendix A: Flow Diagram

Appendix B: AP-42, Chapter 11.19.2, Table 11.19.2-2

Appendix C: Hot Mix Asphalt Plants Emission Estimate Report

Appendix D: Hot Mix Asphalt Plant Source Test Report

Appendix E: EPA TANKS 4.09d Report



Introduction:

Nichols Road Partners, LLC is proposing to install a Hot Mix Asphalt (HMA) Plant at its Nichols Road location. Nichols Road Partners, LLC has requested that Associates Environmental (AE) prepare an evaluation which compares emissions from the following two scenarios:

- Scenario One: An uncontrolled (or modestly controlled) HMA Plant, relying largely on default EPA emission factors and uncontrolled PM₁₀ values.
- Scenario Two: An HMA Plant subject to Best Available Control Technology (BACT), which the facility will be required to implement upon receiving permits to operate from the South Coast Air Quality Management District (SCAQMD).

Assumptions and Emission Factors:

Associates Environmental developed a general plant layout and flow diagram as presented in Appendix A. Six emission sources related to the operation of the HMA Plant were considered:

- Cold Feed System
- Asphalt Drum Dryer
- Asphalt Silo Loading
- Asphalt Load Out
- Hot Oil Heater
- Asphalt Oil Storage Tank

PM₁₀ emissions from the Cold Feed System were estimated using emission factors obtained from the Environmental Protection Agency's AP-42, Chapter 11.19.2, Table 11.19.2-2 (see Appendix B). The difference in the uncontrolled and controlled scenarios was the use of water sprays in the controlled scenario.

Emissions from the Asphalt Drum Dryer, Silo Loading and Asphalt Load Out uncontrolled scenario were estimated using emission factors obtained from the document, "Hot Mix Asphalt Plants Emission Estimation Report, EPA-454/R-00-019, December, 2000". Table 2: Estimated Annual Emissions for a Typical Drum Mix HMA Facility (see Appendix C). For the controlled scenario, emissions from the HMA Plant were estimated based on source test results for a similar facility operating in the SCAQMD (see Appendix D). Controlled PM₁₀ and VOC emissions from the Silo Loading and Asphalt Load Out sources were calculated by applying a control factor corresponding to the use of a SCAQMD-required blue smoke control system.

Emissions from the Hot Oil Heater are minimal and are estimated to be identical in the uncontrolled and controlled scenarios. VOC emissions from the Asphalt Oil Storage Tank were calculated using EPA's TANKS 4.0.9d program (see Appendix E). Controlled VOC emissions from the Asphalt Oil Storage Tank were calculated by applying a control factor corresponding to the use of a SCAQMD-required condenser.

Assumptions related to asphalt production are as follows:

- Maximum Hourly Production: 300 tons
- Maximum Daily Production: 2,000 tons
- Maximum Annual Production: 330,000 tons



Emissions Calculation Summaries:

Scenario One uncontrolled emissions are presented in the following table. Calculations supporting the Scenario One uncontrolled emissions summary are included as Attachment 1.

Asphalt Plant Summary: Scenario One - Uncontrolled Emissions

Hourly Emissions

Source	PM10 (lbs/hr)	NOx (lbs/hr)	VOC (lbs/hr)	CO (lbs/hr)	SOx (lbs/hr)
Cold Feed System	4.389	--	--	--	--
Asphalt Drum Dryer	6.900	7.80	9.60	39.00	1.02
Asphalt Silo Loading	0.176	--	3.66	0.35	--
Asphalt Load Out	0.157	--	1.17	0.40	--
Hot Oil Heater	0.009	0.03	0.01	0.37	0.00
Asphalt Oil Storage Tank	--	--	0.00	--	--
Total	11.630	7.830	14.440	40.124	1.021

Daily Emissions

Source	PM10 (lbs/day)	NOx (lbs/day)	VOC (lbs/day)	CO (lbs/day)	SOx (lbs/day)
Cold Feed System	27.075	--	--	--	--
Asphalt Drum Dryer	46.000	52.00	64.00	260.00	6.80
Asphalt Silo Loading	1.172	--	24.37	2.36	--
Asphalt Load Out	1.044	--	7.82	2.70	--
Hot Oil Heater	0.176	0.60	0.16	7.31	0.01
Asphalt Oil Storage Tank	--	--	4.75	--	--
Total	75.467	52.600	101.109	272.369	6.814

Annual Emissions

Source	PM10 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	SOx (tons/yr)	CO2e (mtons/yr)
Cold Feed System	2.234	--	--	--	--	--
Asphalt Drum Dryer	3.795	4.29	5.28	21.45	0.56	7,005.50
Asphalt Silo Loading	0.097	--	2.01	0.19	--	--
Asphalt Load Out	0.086	--	0.65	0.22	--	--
Hot Oil Heater	0.032	0.11	0.03	1.32	0.00	458.54
Asphalt Oil Storage Tank	--	--	0.39	--	--	--
Total	6.243	4.398	8.358	23.183	0.564	7,464.05



Scenario Two controlled emissions are presented in the following table. Calculations supporting the Scenario Two controlled emissions summary are included as Attachment 2.

Asphalt Plant Summary: Scenario Two - Controlled Emissions

Hourly Emissions

Source	PM10 (lbs/hr)	NOx (lbs/hr)	VOC (lbs/hr)	CO (lbs/hr)	SOx (lbs/hr)
Cold Feed System	0.353	--	--	--	--
Asphalt Drum Dryer	1.373	2.85	1.26	13.07	0.62
Asphalt Silo Loading	0.018	--	0.37	0.35	--
Asphalt Load Out	0.016	--	0.12	0.40	--
Hot Oil Heater	0.009	0.03	0.01	0.37	0.00
Asphalt Oil Storage Tank	--	--	0.00	--	--
Total	1.768	2.877	1.760	14.192	0.621

Daily Emissions

Source	PM10 (lbs/day)	NOx (lbs/day)	VOC (lbs/day)	CO (lbs/day)	SOx (lbs/day)
Cold Feed System	2.056	--	--	--	--
Asphalt Drum Dryer	9.153	18.98	8.41	87.12	4.14
Asphalt Silo Loading	0.117	--	2.44	2.36	--
Asphalt Load Out	0.104	--	0.83	2.70	--
Hot Oil Heater	0.176	0.60	0.16	7.31	0.01
Asphalt Oil Storage Tank	--	--	0.48	--	--
Total	11.606	19.584	12.316	99.487	4.150

Annual Emissions

Source	PM10 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	SOx (tons/yr)	CO2e (mtons/yr)
Cold Feed System	0.170	--	--	--	--	--
Asphalt Drum Dryer	0.755	1.57	0.69	7.19	0.34	7,005.50
Asphalt Silo Loading	0.010	--	0.20	0.19	--	--
Asphalt Load Out	0.009	--	0.07	0.22	--	--
Hot Oil Heater	0.032	0.11	0.03	1.32	0.00	458.54
Asphalt Oil Storage Tank	--	--	0.04	--	--	--
Total	0.975	1.674	1.032	8.920	0.344	7,464.05



Section 1

Uncontrolled Emissions Calculations

Below are the estimated PM10 emissions from the aggregate/RAP systems. Emissions factors were obtained from AP-42, Table 11.19.2-2 to estimate the PM10 emissions.

				AP-42			
<u>Hourly Emissions</u>		Production		PM10 Emission		PM10	
Description	Material	(tons/hr)	x	Factor (lbs/tons)	x	=	Emissions (lbs/hr)
Bins Feeding	Aggregate	142.50		0.0011			0.16
Conveyors BF1 - BF5	Aggregate	142.50		0.0011			0.16
Conveyor CC	Aggregate	142.50		0.0011			0.16
Scalping Screen	Aggregate	142.50		0.0087			1.24
Conveyor BC1	Aggregate	142.50		0.0011			0.16
Bins Feeding	RAP	142.50		0.0011			0.16
Conveyors RF1 - RF2	RAP	142.50		0.0011			0.16
Conveyor RCC	RAP	142.50		0.0011			0.16
Conveyor RC1	RAP	142.50		0.0011			0.16
2-Deck Screen	RAP	142.50		0.0087			1.24
HSI Crusher	RAP	142.50		0.0024			0.34
Conveyor RC2	RAP	142.50		0.0011			0.16
Conveyor RC3	RAP	142.50		0.0011			0.16
					Total		4.39
							lbs/hr

<u>Daily Emissions</u>			AP42		
Description	Material	Production (tons/day)	x	PM10 Emission Factor (lbs/tons)	PM10 Emissions (lbs/day)
				x	=
Bins Feeding	Aggregate	1,425.00		0.0011	1.57
Conveyors BF1 - BF5	Aggregate	1,425.00		0.0011	1.57
Conveyor CC	Aggregate	1,425.00		0.0011	1.57
Scalping Screen	Aggregate	1,425.00		0.0087	12.40
Conveyor BC1	Aggregate	1,425.00		0.0011	1.57
Bins Feeding	RAP	475.00		0.0011	0.52
Conveyors RF1 - RF2	RAP	475.00		0.0011	0.52
Conveyor RCC	RAP	475.00		0.0011	0.52
Conveyor RC1	RAP	475.00		0.0011	0.52
2-Deck Screen	RAP	475.00		0.0087	4.13
HSI Crusher	RAP	475.00		0.0024	1.14
Conveyor RC2	RAP	475.00		0.0011	0.52
Conveyor RC3	RAP	475.00		0.0011	0.52
				Total	27.08

<u>Annual Emissions</u>			AP42		
		Production	PM10 Emission		PM10
Description	Material	(tons/yr)	x	Factor (lbs/tons)	= Emissions (lbs/yr)
Bins Feeding	Aggregate	235,125		0.0011	258.64
Conveyors BF1 - BF5	Aggregate	235,125		0.0011	258.64
Conveyor CC	Aggregate	235,125		0.0011	258.64
Scalping Screen	Aggregate	235,125		0.0087	2045.59
Conveyor BC1	Aggregate	235,125		0.0011	258.64
Bins Feeding	RAP	78,375		0.0011	86.21
Conveyors RF1 - RF2	RAP	78,375		0.0011	86.21
Conveyor RCC	RAP	78,375		0.0011	86.21
Conveyor RC1	RAP	78,375		0.0011	86.21
2-Deck Screen	RAP	78,375		0.0087	681.86
HSI Crusher	RAP	78,375		0.0024	188.10
Conveyor RC2	RAP	78,375		0.0011	86.21
Conveyor RC3	RAP	78,375		0.0011	86.21
Total					4,467.38
					2.23 tons/yr

Emission factors obtained from AP42 Chapter 11.9.2, Table 11.9.2-2.

Hot Mix Asphalt Emissions: Uncontrolled Asphalt Drum Dryer, Silo Loading and Asphalt Load Out Emissions

Burner Rating 120 mmBTU/hr
Natural Gas Heating Value 1,050 mmBTU/mmcf
Asphalt Temperature 325 °F

Natural Gas 0.114 mmcf/hr
0.762 mmcf/day
125.714 mmcf/yr

Source	(ton/hr)	(tons/day)	(tons/yr)	Pollutant	Emission Factor*	Cyclone	Baghouse	Emissions		
					(lbs/ton)	Control Efficiency	Control Efficiency	(lbs/hr)	Maximum (lbs/day)	(tons/yr)
Parallel Flow Drum Mixer, 120 mBtu/hr, Fired on Natural Gas	300	2,000	330,000	PM ₁₀	0.0230	50%	99.0%	6.90	46.00	3.80
				VOC	0.0320	0%	95.0%	9.60	64.00	5.28
				NOx	0.0260	0%	0.0%	7.80	52.00	4.29
				CO	0.1300	0%	0.0%	39.00	260.00	21.45
				SO ₂	0.0034	0%	0.0%	1.02	6.80	0.56

*From Hot Mix Asphalt Plants Emission Estimation Report, EPA-454/R-00-019, December, 2000.

Description	(mmcf/hr)	(mmcf/day)	(mmcf/yr)	Pollutant	Emission Factor	Conversion Factor	GWP	Emissions		
					(kg/mmBTU)	(mmBTU/mmcf)		(mtons/hr)	Maximum (mtons/day)	(mtons/yr)
Parallel Flow Drum Mixer, 120 mBtu/hr, Fired on Natural Gas	0.1143	0.7619	125.71	CO ₂	53.02	1050	1	6.36	42.42	6,998.64
				CH ₄	1.00E-03	1050	21	0.00	0.02	2.77
				N ₂ O	1.00E-04	1050	310	0.00	0.02	4.09
										TOTAL 7,005.50

Source	(ton/hr)	(tons/day)	(tons/yr)	Pollutant	Emission	Blue Smoke Fiber Bed Filter	Emissions		
					Factor (lbs/ton)	Control Efficiency	(lbs/hr)	Maximum (lbs/day)	(tons/yr)
Silo Loading	300	2,000	330,000	PM-10	0.00059	0%	0.18	1.17	0.10
				CO	0.00118	0%	0.35	2.36	0.19
				VOCs	0.01219	0%	3.66	24.37	2.01

Source	(ton/hr)	(tons/day)	(tons/yr)	Pollutant	Emission	Blue Smoke Fiber Bed Filter	Emissions		
					Factor (lbs/ton)	Control Efficiency	(lbs/hr)	Maximum (lbs/day)	(tons/yr)
Plant Load Out	300	2,000	330,000	PM-10	0.00052	0%	0.16	1.04	0.09
				CO	0.00135	0%	0.40	2.70	0.22
				VOCs	0.00391	0%	1.17	7.82	0.65

Hot Oil Heater Emissions

Burner Rating	1.2 mmBTU/hr
Natural Gas Heating Value	1,020 mmBTU/mmcf

Natural Gas	0.0012 mmcf/hr
	0.0235 mmcf/day
	0.7059 mmcf/month
	8.4706 mmcf/yr

Description	(mmcf/hr)	(mmcf/day)	(mmcf/yr)	Pollutant	Emission Factor (lbs/mmcf)	Control Efficiency	Emissions		
							(lbs/hr)	Maximum (lbs/day)	(tons/yr)
Hot Oil Heater, CEI-2400G, 1.2 mBtu/hr, Fired on Natural Gas	0.0012	0.0235	8.47	NO _x	25.52	0%	0.03	0.60	0.11
				CO	310.69	0%	0.37	7.31	1.32
				SO ₂	0.6	0%	0.00	0.01	0.00
				VOC	7	0%	0.01	0.16	0.03
				PM10	7.5	0%	0.01	0.18	0.03

					Emission Factor	Conversion Factor		Emissions		
Description	(mmcf/hr)	(mmcf/day)	(mmcf/yr)	Pollutant	(kg/mmBTU)	(mmBTU/mmcf)	GWP	(mtons/hr)	Maximum (mtons/day)	(mtons/yr)
Hot Oil Heater, CEI-2400G, 1.2 mBtu/hr, Fired on Natural Gas	0.0012	0.0235	8.47	CO2	53.02	1020	1	0.06	1.27	458.09
				CH4	1.00E-03	1020	21	0.00	0.00	0.18
				N2O	1.00E-04	1020	310	0.00	0.00	0.27
									TOTAL	458.54

Asphalt Oil Storage Tank Emissions: Uncontrolled

Assumptions

Asphalt Oil % in mix:	5.0%
Total Oil Used	16,500 tons/yr
Hot Oil Density	9.174 lbs/gal
Total Oil Used	3,597,122 gal/yr
Tank Capacity	30,000 gal
Turnovers	119.9041 per year (assumed 50% went through each tank)

Emissions

Working Loss	541.33 lbs/yr
Breathing Loss	242.66 lbs/yr
Total	783.98 lbs/yr per tank
Condenser Control	0%
Controlled Emissions	783.9831 lbs/yr
Hourly Emissions	0.002376 lbs/hr
Maximum Daily Emissions	4.751413 lbs/day



Section 2

Controlled Emissions Calculations

Hot Mix Asphalt Emissions: Controlled Asphalt Drum Dryer, Silo Loading and Asphalt Load Out Emissions

Burner Rating 120 mmBTU/hr
Natural Gas Heating Value 1,050 mmBTU/mmcf
Asphalt Temperature 325 °F

Natural Gas 0.11428571 mmcf/hr
0.76190476 mmcf/day
125.714286 mmcf/yr

Source	(ton/hr)	(tons/day)	(tons/yr)	Pollutant	Emission Factor*	Cyclone	Baghouse	Emissions		
					(lbs/ton)	Control Efficiency	Control Efficiency	(lbs/hr)	Maximum (lbs/day)	(tons/yr)
Parallel Flow Drum Mixer, 120 mBtu/hr, Fired on Natural Gas	300	2,000	330,000	PM ₁₀	0.0046	50%	99.0%	1.37	9.15	0.76
				VOC	0.0042	0%	95.0%	1.26	8.41	0.69
				NOx	0.0095	0%	0.0%	2.85	18.98	1.57
				CO	0.0436	0%	0.0%	13.07	87.12	7.19
				SO ₂	0.0021	0%	0.0%	0.62	4.14	0.34

*Emission Factors are taken from a source test performed on a similar facility.

Description	(mmcf/hr)	(mmcf/day)	(mmcf/yr)	Pollutant	Emission Factor	Conversion Factor	GWP	Emissions		
					(kg/mmBTU)	(mmBTU/mmcf)		(mtons/hr)	Maximum (mtons/day)	(mtons/yr)
Parallel Flow Drum Mixer, 120 mBtu/hr, Fired on Natural Gas	0.1143	0.7619	125.71	CO ₂	53.02	1050	1	6.36	42.42	6,998.64
				CH ₄	1.00E-03	1050	21	0.00	0.02	2.77
				N ₂ O	1.00E-04	1050	310	0.00	0.02	4.09
								TOTAL		7,005.50

Source	(ton/hr)	(tons/day)	(tons/yr)	Pollutant	Emission	Blue Smoke Fiber Bed Filter	Emissions		
					Factor (lbs/ton)	Control Efficiency	(lbs/hr)	Maximum (lbs/day)	(tons/yr)
Silo Loading	300	2,000	330,000	PM-10	0.00059	90%	0.02	0.12	0.01
				CO	0.00118	0%	0.35	2.36	0.19
				VOCs	0.01219	90%	0.37	2.44	0.20

Source	(ton/hr)	(tons/day)	(tons/yr)	Pollutant	Emission	Blue Smoke Fiber Bed Filter	Emissions		
					Factor (lbs/ton)	Control Efficiency	(lbs/hr)	Maximum (lbs/day)	(tons/yr)
Plant Load Out	300	2,000	330,000	PM-10	0.00052	90%	0.02	0.10	0.01
				CO	0.00135	0%	0.40	2.70	0.22
				VOCs	0.00416	90%	0.12	0.83	0.07

Hot Oil Heater Emissions

Burner Rating	1.2 mmBTU/hr
Natural Gas Heating Value	1020 mmBTU/mmcf

Natural Gas	0.0012 mmcf/hr
	0.0235 mmcf/day
	0.7059 mmcf/month
	8.4706 mmcf/yr

Description	(mmcf/hr)	(mmcf/day)	(mmcf/yr)	Pollutant	Emission Factor (lbs/mmcf)	Control Efficiency	Emissions		
							(lbs/hr)	Maximum (lbs/day)	(tons/yr)
Hot Oil Heater, CEI-2400G, 1.2 mBtu/hr, Fired on Natural Gas	0.0012	0.0235	8.47	NO _x	25.52	0%	0.03	0.60	0.11
				CO	310.69	0%	0.37	7.31	1.32
				SO ₂	0.6	0%	0.00	0.01	0.00
				VOC	7	0%	0.01	0.16	0.03
				PM10	7.5	0%	0.01	0.18	0.03

					Emission Factor	Conversion Factor		Emissions		
Description	(mmcf/hr)	(mmcf/day)	(mmcf/yr)	Pollutant	(kg/mmBTU)	(mmBTU/mmcf)	GWP	(mtons/hr)	Maximum (mtons/day)	(mtons/yr)
Hot Oil Heater, CEI-2400G, 1.2 mBtu/hr, Fired on Natural Gas	0.0012	0.0235	8.47	CO2	53.02	1020	1	0.06	1.27	458.09
				CH4	1.00E-03	1020	21	0.00	0.00	0.18
				N2O	1.00E-04	1020	310	0.00	0.00	0.27
									TOTAL	458.54

Asphalt Oil Storage Tank Emissions: Controlled

Assumptions

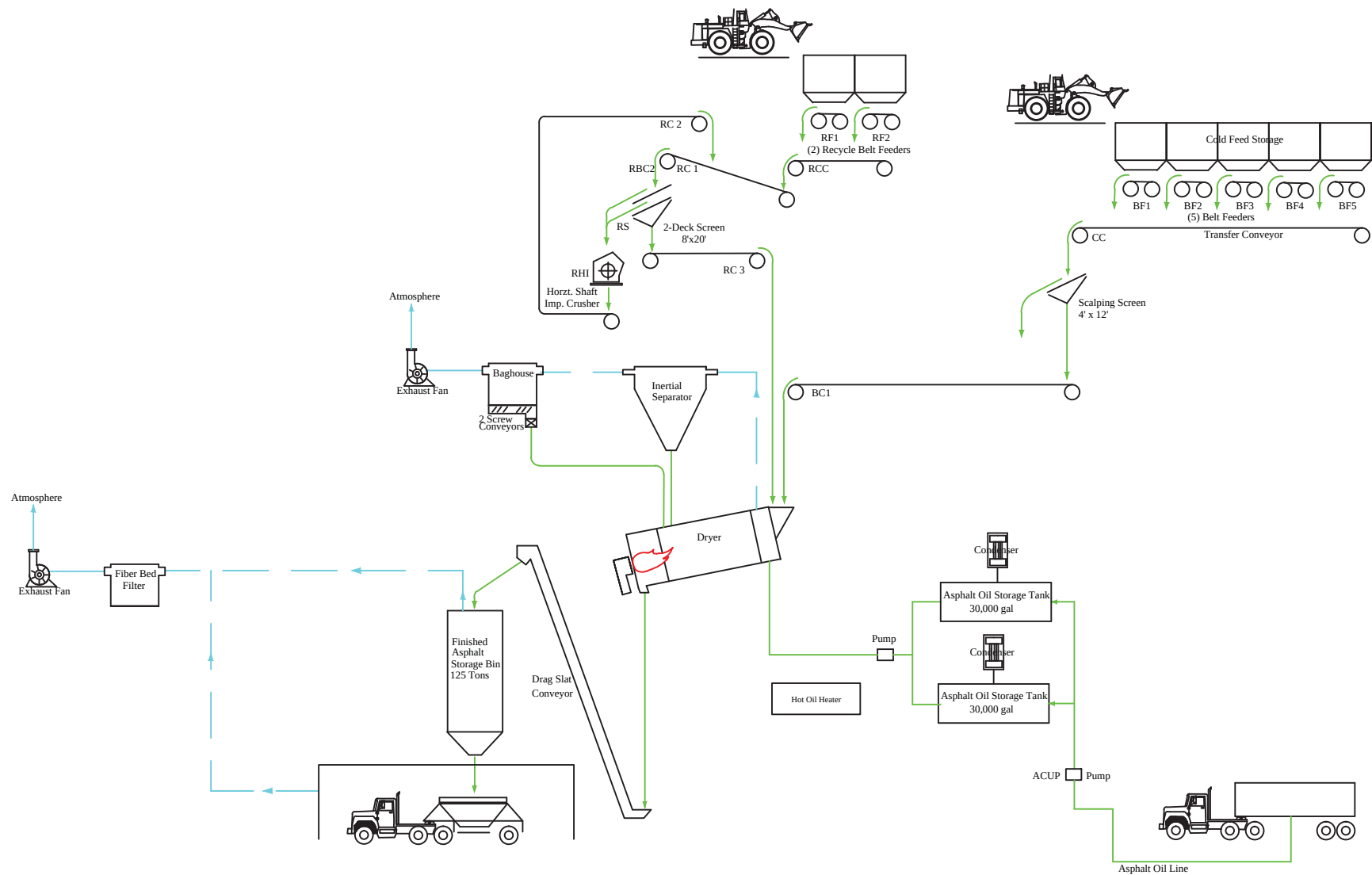
Asphalt Oil % in mix:	5.0%
Total Oil Used	16,500 tons/yr
Hot Oil Density	9.174 lbs/gal
Total Oil Used	3,597,122 gal/yr
Tank Capacity	30,000 gal
Turnovers	119.9041 per year

Emissions

Working Loss	541.33 lbs/yr
Breathing Loss	242.66 lbs/yr
Total	783.98 lbs/yr
Condenser Control	90%
Controlled Emissions	78.40 lbs/yr
Hourly Emissions	0.000238 lbs/hr
Maximum Daily Emissions	0.475141 lbs/day

Appendix A

Flow Diagram



Associates Environmental
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Description

Secondary Description
 Flow Diagram

Scale

Job No.

Drawing Date

Drawn By:
 RF

Drawing
 Version 1.0

Appendix B

AP-42, Chapter 11.19.2, Table 11.19.2-2

Table 11.19.2-2 (English Units). EMISSION FACTORS FOR CRUSHED STONE PROCESSING OPERATIONS (lb/Ton)^a

Source ^b	Total Particulate Matter ^{r,s}	EMISSION FACTOR RATING	Total PM-10	EMISSION FACTOR RATING	Total PM-2.5	EMISSION FACTOR RATING
Primary Crushing (SCC 3-05-020-01)	ND		ND ⁿ		ND ⁿ	
Primary Crushing (controlled) (SCC 3-05-020-01)	ND		ND ⁿ		ND ⁿ	
Secondary Crushing (SCC 3-05-020-02)	ND		ND ⁿ		ND ⁿ	
Secondary Crushing (controlled) (SCC 3-05-020-02)	ND		ND ⁿ		ND ⁿ	
Tertiary Crushing (SCC 3-050030-03)	0.0054 ^d	E	0.0024 ^o	C	ND ⁿ	
Tertiary Crushing (controlled) (SCC 3-05-020-03)	0.0012 ^d	E	0.00054 ^p	C	0.00010 ^q	E
Fines Crushing (SCC 3-05-020-05)	0.0390 ^e	E	0.0150 ^e	E	ND	
Fines Crushing (controlled) (SCC 3-05-020-05)	0.0030 ^f	E	0.0012 ^f	E	0.000070 ^q	E
Screening (SCC 3-05-020-02, 03)	0.025 ^c	E	0.0087 ^l	C	ND	
Screening (controlled) (SCC 3-05-020-02, 03)	0.0022 ^d	E	0.00074 ^m	C	0.000050 ^q	E
Fines Screening (SCC 3-05-020-21)	0.30 ^g	E	0.072 ^g	E	ND	
Fines Screening (controlled) (SCC 3-05-020-21)	0.0036 ^g	E	0.0022 ^g	E	ND	
Conveyor Transfer Point (SCC 3-05-020-06)	0.0030 ^h	E	0.00110 ^h	D	ND	
Conveyor Transfer Point (controlled) (SCC 3-05-020-06)	0.00014 ⁱ	E	4.6 x 10 ⁻⁵ⁱ	D	1.3 x 10 ^{-5q}	E
Wet Drilling - Unfragmented Stone (SCC 3-05-020-10)	ND		8.0 x 10 ^{-5j}	E	ND	
Truck Unloading - Fragmented Stone (SCC 3-05-020-31)	ND		1.6 x 10 ^{-5j}	E	ND	
Truck Loading - Conveyor, crushed stone (SCC 3-05-020-32)	ND		0.00010 ^k	E	ND	

a. Emission factors represent uncontrolled emissions unless noted. Emission factors in lb/Ton of material of throughput. SCC = Source Classification Code. ND = No data.

b. Controlled sources (with wet suppression) are those that are part of the processing plant that employs current wet suppression technology similar to the study group. The moisture content of the study group without wet suppression systems operating (uncontrolled) ranged from 0.21 to 1.3 percent, and the same facilities operating wet suppression systems (controlled) ranged from 0.55 to 2.88 percent. Due to carry over of the small amount of moisture required, it has been shown that each source, with the exception of crushers, does not need to employ direct water sprays. Although the moisture content was the only variable measured, other process features may have as much influence on emissions from a given source. Visual observations from each source under normal operating conditions are probably the best indicator of which emission factor is most appropriate. Plants that employ substandard control measures as indicated by visual observations should use the uncontrolled factor with an appropriate control efficiency that best reflects the effectiveness of the controls employed.

c. References 1, 3, 7, and 8

d. References 3, 7, and 8

- e. Reference 4
- f. References 4 and 15
- g. Reference 4
- h. References 5 and 6
- i. References 5, 6, and 15
- j. Reference 11
- k. Reference 12
- l. References 1, 3, 7, and 8
- m. References 1, 3, 7, 8, and 15
- n. No data available, but emission factors for PM-10 for tertiary crushers can be used as an upper limit for primary or secondary crushing
- o. References 2, 3, 7, 8
- p. References 2, 3, 7, 8, and 15
- q. Reference 15
- r. PM emission factors are presented based on PM-100 data in the Background Support Document for Section 11.19.2
- s. Emission factors for PM-30 and PM-50 are available in Figures 11.19.2-3 through 11.19.2-6.

Note: Truck Unloading - Conveyor, crushed stone (SCC 3-05-020-32) was corrected to Truck Loading - Conveyor, crushed stone (SCC 3-05-020-32). October 1, 2010.

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Appendix C

Hot Mix Asphalt Plants Emission Estimate Report

United States
Environmental Protection
Agency

Office Of Air Quality
Planning And Standards
Research Triangle Park, NC 27711

EPA-454/R-00-019
December 2000

Air



HOT MIX ASPHALT PLANTS

EMISSION ASSESSMENT REPORT



TABLE 2. ESTIMATED ANNUAL EMISSIONS FOR A TYPICAL DRUM MIX HMA FACILITY^a

Pollutant	Annual emissions by source, pounds per year									
	Mobile sources (diesel exhaust)	Material handling and road dust	No. 2 fuel oil-fired dryer ^b	Natural gas-fired dryer ^c	Load-out ^d	Silo filling ^e	Asphalt storage ^f	Yard ^g	Total ^h (oil-fired)	Total ^h (gas-fired)
Criteria air pollutants										
Particulate matter less than 10 micrometers (PM-10)	220	26,000	4,600	4,600	104	117			31,000	31,000
Volatile organic compounds (VOC)	190		6,400	6,400	782	2,440	64	220	10,000	10,000
Carbon monoxide (CO)	1,200		26,000	26,000	270	236	6	72	28,000	28,000
Sulfur dioxide (SO ₂)	26		2,200	680					2,200	710
Nitrogen oxides (NO _x)	560		11,000	5,200					12,000	5,800
Hazardous air pollutants (HAPs)										
Polycyclic aromatic hydrocarbons (PAHs)	0.13		176	37	4.0	5.8	0.12		190	50
Phenol					0.80				0.80	0.80
Volatile HAPs	6.6		1,560	1,020	12.4	31	140	3.3	1,800	1,200
Metal HAPs			19	16					19	16
Total HAPs ^h	6.7		1,800	1,100	17	37	140	3.3	2,000	1,300

^a Based on an annual HMA production rate of 200,000 tons per year.^b Between 10 and 30 percent of the HMA is produced using fuel oil.^c Between 70 and 90 percent of the HMA is produced using natural gas.^d Loading of HMA into haul trucks^e Filling of temporary storage silo prior to load-out.^f Includes emissions from oil-fired hot oil heaters.^g Fugitive emissions from loaded trucks prior to departure to the job site.^h Total expressed using two significant figures.



Appendix D

Hot Mix Asphalt Plant Source Test Report

SUMMARY OF SOURCE TEST RESULTS

BAGHOUSE EXHAUST

Sample Location RUN #	Outlet 1	Outlet 2	Outlet 3	Outlet 4	Averages
CONSTITUENT					
Oxides of Nitrogen ppmv	13.6	-	14.6 ✓	12.5	13.6
ppmv @ 3% O ₂	27	-	28	23	26
lb/hr	2.91	-	3.05	2.45	2.80
Carbon Monoxide ppmv	113	-	98 ✓	95	102
ppmv @ 3% O ₂	227	-	189	177	198
lb/hr	14.71	-	12.47	11.36	12.85
Oxygen, %	12.0	11.6	11.6	11.3	11.7
Stack Flowrate, dscfm	29416	28773	27019	28403	28403
Moisture, %	23.6	24.0	24.1	-	23.9
Total Particulate gr/dscf	0.0039	0.0052	0.0077 ✓	-	0.0056
lb/hr	0.98	1.29	1.79	-	1.35
Sulfur Dioxide ppmv	9.1	6.7	8.2	-	8.0
lb/hr	0.72	0.52	0.60	-	0.61
Total Nonmethane Hydrocarbons ppmv, as CH ₄	24	9	19	-	17
ppmv @ 3% O ₂ , as CH ₄	48	17	35	-	33
lb/hr, as CH ₄	1.79	0.63	1.29	-	1.24
Total Production Rate, TPH	299	287	300	-	295
RAP Production, TPH	94.9	71.3	82.3	-	82.8

$1.35 \div 295 \text{ TPH}$
 $= 4.57 \text{ E-3 lb/hr}$
 $0.61 \div 295 \text{ TPH}$
 $= 2.06 \text{ E-3 lb/hr}$
 $1.24 \div 295 \text{ TPH}$
 $= 4.20 \text{ E-3 lb/hr}$

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Identification and Physical Characteristics

Identification

User Identification:	T1
City:	Corona
State:	California
Company:	Mayhew Aggregates & Mine Reclamation
Type of Tank:	Horizontal Tank
Description:	Asphalt Oil Tank

Tank Dimensions

Shell Length (ft):	51.00
Diameter (ft):	10.00
Volume (gallons):	30,000.00
Turnovers:	119.90
Net Throughput(gal/yr):	3,597,122.00
Is Tank Heated (y/n):	Y
Is Tank Underground (y/n):	N

Paint Characteristics

Shell Color/Shade:	Aluminum/Specular
Shell Condition	Good

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Los Angeles AP, California (Avg Atmospheric Pressure = 14.67 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

T1 - Horizontal Tank
Corona, California

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F)			Liquid Bulk Temp (deg F)	Vapor Pressure (psia)			Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.		Avg.	Min.	Max.					
Asphalt Oil	All	350.00	300.00	400.00	350.00	0.1805	0.0532	0.5309	84.0000			0.00	

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

T1 - Horizontal Tank
Corona, California

Annual Emission Calculations	
Standing Losses (lb):	242.6563
Vapor Space Volume (cu ft):	2,551.2934
Vapor Density (lb/cu ft):	0.0017
Vapor Space Expansion Factor:	0.1565
Vented Vapor Saturation Factor:	0.9544
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	2,551.2934
Tank Diameter (ft):	10.0000
Effective Diameter (ft):	25.4889
Vapor Space Outage (ft):	5.0000
Tank Shell Length (ft):	51.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0017
Vapor Molecular Weight (lb/lb-mole):	84.0000
Vapor Pressure at Daily Average Liquid	
Surface Temperature (psia):	0.1805
Daily Avg. Liquid Surface Temp. (deg. R):	809.6700
Daily Average Ambient Temp. (deg. F):	62.9500
Ideal Gas Constant R	
(psia cu ft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	809.6700
Tank Paint Solar Absorptance (Shell):	0.3900
Daily Total Solar Insulation	
Factor (Btu/sqft day):	1,594.0000
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.1565
Daily Vapor Temperature Range (deg. R):	100.0000
Daily Vapor Pressure Range (psia):	0.4777
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid	
Surface Temperature (psia):	0.1805
Vapor Pressure at Daily Minimum Liquid	
Surface Temperature (psia):	0.0532
Vapor Pressure at Daily Maximum Liquid	
Surface Temperature (psia):	0.5309
Daily Avg. Liquid Surface Temp. (deg R):	809.6700
Daily Min. Liquid Surface Temp. (deg R):	759.6700
Daily Max. Liquid Surface Temp. (deg R):	859.6700
Daily Ambient Temp. Range (deg. R):	14.8500
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9544
Vapor Pressure at Daily Average Liquid:	
Surface Temperature (psia):	0.1805
Vapor Space Outage (ft):	5.0000
Working Losses (lb):	
Working Losses (lb):	541.3268
Vapor Molecular Weight (lb/lb-mole):	84.0000
Vapor Pressure at Daily Average Liquid	
Surface Temperature (psia):	0.1805
Annual Net Throughput (gal/yr.):	3,597,122.0000
Annual Turnovers:	119.9041
Turnover Factor:	0.4169
Tank Diameter (ft):	10.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	
Total Losses (lb):	783.9832

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

T1 - Horizontal Tank
Corona, California

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Ashpalt Oil	541.33	242.66	783.98



Appendix E

EPA TANKS 4.09d Report